OIL AND GAS TITLE OPINIONS: STRUCTURING AND FORMAT

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CHAPTER 17
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OIL AND GAS TITLE OPINIONS: STRUCTURING AND FORMAT

I. INTRODUCTION

An orderly mind, it has been said, “is reflected by an orderly body; and an orderly body is reflected by orderly dress.” An orderly title examiner’s mind, by analogy, should be reflected by an orderly title examination; and an orderly title examination should be reflected by an orderly title opinion.

Few if any title examiners would take exception to the notion that an orderly, well-organized title opinion is more apt to serve the needs of the client than one that is not. But title examiners and other industry professionals disagree over how to best organize a title opinion.

There are many reasons for the widespread differences in title opinion forms used in the oil and gas industry today. Regional differences and the size and complexity of the area being examined account for some dissimilarities. Lawyers can have widely conflicting views on the subject and can be close-minded about changing their own forms. Competition between law firms, conflicts of interests, and confidentiality concerns may chill exchanges of title opinion forms or otherwise dampen collaborative efforts to develop a more uniform approach.

No wonder, then, that the oil and gas bar in Texas has failed to develop a model form title opinion template. Disorder, not order, reigns. But there have been candles in the darkness. Over fifteen years ago an article was written by George Snell for the State Bar of Texas Oil & Gas Section Report entitled “A Model Form Title Opinion Format—Is it Possible? Is it Practical?” After pointing out the trend towards standardized forms in the real estate industry, Snell attached a proposed uniform title opinion template to his article and issued a bell call for Texas oil and gas practitioners to collaborate with him in developing a more uniform approach. That bell call, however, appears to have fallen on deaf ears.

Or if ears were not deaf, perhaps they were indifferent? Many lawyers might question whether developing an industry wide model form is either necessary or worth the trouble. The oil industry in the United States has survived so far without one. What has changed?

One obvious change from the past is the sheer volume and geographic diversity of oil and gas title examinations in the United States over the past decade. Advances in horizontal drilling and hydraulic fracturing and the opening of shale plays in basins throughout the United States have likely created the largest demand for oil and gas title opinions in the industry’s history.

With the increased number of title opinions has come increased pressure within oil companies to make their internal processes dealing with title opinions more efficient. It is easier and quicker to act on information when a reader is reviewing a title opinion in a form that the reader is accustomed to. This is even truer when a reader must review a large number of title opinions or when multiple readers within the same company are looking at the same title opinion forms.

Technological advances also factor in. The author is aware of at least one company who has attempted to put a system in place to link title opinions to its royalty check disbursements database. The theoretical efficiencies and cost savings of such systems seem obvious.

For all these reasons more and more companies are requiring law firms to use a standard form title opinion template. But efforts to standardize title opinion forms by companies tend to be ad hoc and inconsistent. Lawyers, being anxious to please, often accept whatever form the client wants without further discussion. Rigorous analysis can be preempted by expediency. Best practices can be overlooked.

Therefore, the questions raised by George Snell fifteen years ago (“A Model Form Title Opinion Format—Is it Possible? Is it Practical?”) seem worth revisiting. Has the time come for an industry wide standard oil and gas title opinion format? The oil and gas industry has adapted model form leases, operating agreements, gas purchase contracts, and drilling contracts. Why would a model form title opinion not be attainable?

Irrespective of the answer to that question this paper presumes that the oil and gas bar and its clients can benefit from an exchange of ideas and best practices with regard to title opinion structure and format. Accordingly, following this Introduction, Part II of this paper lists twenty of the most common elements of oil and gas title opinion formats found in Texas and elsewhere; Part III lists and discusses twenty common differences. Part IV discusses oil and gas title opinion comments and requirements and makes suggestions for organizing. Part V discusses a “Form Opinion” (Appendix E).

Part VI addresses title opinion writing style. It is difficult if not impossible to divorce a discussion about title opinion structure and format from a discussion of

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1 Dr. Harold Weatherby, Vanderbilt University, Freshman English, Fall 1970.

writing style. Rules and best practices in legal writing are not suspended when it comes to writing title opinions.

It is also difficult to divorce a discussion of title opinion format, structure and style from a broader discussion of title examination in general. One of the best treatments of title examination best practices I have run across is George Morgenthaler’s, Oil and Gas Title Examination (Mockingbird Press (2012)), which is a republication of his original 1982 book by the same name, but with some minor revisions. 3 Morgenthaler’s 6th chapter entitled “Attitudes and Techniques” is particularly insightful. It summarizes what I call Morgenthaler’s “Thirteen Rules.” I will be referring to the “Thirteen Rules” throughout this paper; a list is included in Part VI.

This paper is being written as part of an introductory course on oil and gas title examination and is primarily for the benefit of lawyers new to the task. I wish to emphasize that many experienced oil and gas lawyers may disagree with views expressed in this paper. In that regard, I have intentionally avoided the use of the word “model” when talking about the “Form Opinion” discussed in Part V. I am not that ambitious. If this paper is successful in provoking both new and even experienced oil and gas lawyers and their clients to think more about oil and gas title opinion structure, format and style, then its purpose will have been achieved.

II. COMMONALITY IN TITLE OPINION STRUCTURE AND FORMAT

An Oklahoma or a Colorado oil and gas lawyer may take a certain satisfaction in reminding a Texas oil and gas lawyer that “Texas law stops at the Red River.” Louisiana and Pennsylvania oil and gas lawyers can and do make the same point with reference to the Sabine.4 The underlying point is well taken. Ignoring differences in local laws and practices by a lawyer when examining oil and gas titles can be a prescription for legal malpractice.

Nevertheless, much of what is found in oil and gas title opinions is common from basin to basin as well as from state to state. This can be illustrated by the following list of features found in practically any oil and gas drilling title opinion:

3. Materials examined
4. Surface ownership
5. Mineral ownership
6. Leasehold ownership
7. Royalty ownership
8. Working interest owners
9. Division of Interest (or net revenue) 5
10. Identification and summary of leases
11. Assignment listing
12. Encumbrances listing
13. Tax statement
14. Comments and Requirements
15. Supplemental exhibits

Division order title opinions might add the following:

16. Legal description of unit and unit tracts
17. Mineral, leasehold and royalty ownership by tract
18. Division of production by tract
19. Other information by tract
20. Drilling opinion curative analysis

Having reviewed title opinions from many different parts of the United States I observe that the biggest differences in title opinion structure and format are not due to omissions of one or more of these features but rather how they are sequenced and how much detail is included. Often these differences can be explained by the purpose of the opinion. An opinion issued solely for drilling purposes would of necessity be structured differently than a division order title opinion.

But often the structure and format of opinions offered for the same purposes will vary considerably. This can be illustrated by the sample title opinion forms included in the Appendixes to this paper.6

5 A “Division of Interest” table will disclose the net revenue interests of the parties for purposes of disbursing revenues. The term “division of interest” may or may not be used and a Division of Interest table is commonly omitted in drilling title opinions. However, practically every title opinion will disclose what the net revenue interests of the working interest owners are. This is because most clients want to have an idea of what their net revenue interest will be for purposes of running pre-drill economics on a location.

6 The first two of these are sample drilling and division order title opinions submitted in a previous version of this course (Appendices A and B). The third (Appendix C) is an abbreviated version of the sample division order title opinion presented by George Snell, see supra note 2. The fourth (Appendix D) is a title opinion in a format similar to that used by many Texas title examiners. The fifth (Appendix E) is the “Form Opinion” mentioned in the Introduction. Three of these forms, Appendixes C, D and E (the Form Opinion), have been abbreviated for purposes of

4 This has been communicated to me on more than one occasion, and is sometimes put more crudely.
Note that all of these form opinions start with a breakdown of ownership, they all include data on oil and gas leases, and they all have comments and requirements. They all include working interest and net revenue interests, and they all address encumbrances such as mortgages and rights of way.

True to my earlier generalization, note how different the forms are in level of detail and in sequencing. Again some of these differences can be attributed to the different purposes of a drilling title opinion as distinguished from a division order title opinion. But most of the differences, as is the case with differences in title opinion structure and format generally, are attributable to the subjective preferences of examiners or their clients.

III. DIFFERENCES IN TITLE OPINION
STRUCTURE AND FORMAT

So what are some of the most common differences in title opinion structure and format? I have identified twenty. There are undoubtedly others, but the following would top my list:

1. Surface Ownership

Almost all title opinions start with something like this: “Based solely upon our examination of the instruments listed above (hereinafter collectively referred to as “Materials Examined”), and subject to the comments, requirements and limitations hereinafter set forth, we find title to the Subject Lands to be vested as of June 26, 2014, at 7:00 AM, CST, as follows….”.

But what is meant by “title”? Fee title to real property can include surface interests, mineral interests, water rights, and so on. Is an oil and gas title examiner intending to render an opinion on riparian water rights? Normally, not, and typically an exclusion of such can be found in the limitations section of the opinion.

Nevertheless many title examiners will render an opinion on the surface estate as part of an oil and gas title opinion. Others will not, or at least will include a disclaimer. The “Scope of Opinion” section in the Form Opinion (Appendix E) for example, includes the following disclaimer: “This Opinion expressly excludes from coverage the ownership of the surface estate in the Subject Lands. Surface information may be included in this Opinion for convenience purposes, only. If a definitive Opinion on the Surface is needed, contact the Examiner for a supplement to this Opinion.”

Such a disclaimer is inserted for good reason. Rendering a definitive opinion on the surface in effect makes a lawyer or his or her malpractice carrier title insurers as to the surface. An oil and gas lawyer might expect to be sued for rendering an erroneous opinion on the oil and gas estate. But do oil and gas lawyers and their malpractice carriers contemplate being sued if a surface related real estate transaction were to be upended due to an error in an oil and gas title opinion?

At minimum, if a definitive opinion on the surface is needed, a frank discussion should occur about the cost of the opinion. If an opinion on the surface is being sought for dual oil and gas and real estate purposes and to avoid having to pay a title insurance premium perhaps the oil and gas title examiner should be charging more for the opinion?

Why does surface ownership need to be included as part of an oil and gas title opinion at all? Particularly if the minerals had previously been severed from the surface, surface ownership, as a practical matter, can be almost irrelevant to oil and gas operations except to the extent that the accommodation doctrine may come into play. 7

Nevertheless, despite severed minerals, the client may want to know who the surface owner is for purposes of paying surface damages. Many lawyers might say if that is the case, why not simply rely on property tax assessment rolls?

Still, a client may want surface information in the opinion as a matter of convenience. This is an issue that should be discussed with the client up front. A definitive opinion on the surface would normally require the title examiner expending additional time and effort worrying about surface related mortgages, tax assessments, deed restrictions and a multitude of other issues. Having said that, to not include surface information may annoy a client so it is best to raise the matter for discussion early in the process.

2. Use of the Word “Minerals”; Scope of the Opinion

7 A discussion of the “Accommodation Doctrine” as articulated by the Texas Supreme Court in Getty Oil. v. Jones, 470 S.W. 2d 618, 622-623 (Tex. 1971) and subsequent cases is beyond the scope of this paper. Likewise, a discussion of the issue of pore space ownership that has arisen in at least one Western USA state is beyond the scope of this paper.
Back to what is meant by “title”? Is an opinion being rendered on the mineral estate or only the oil and gas estate? The term “Minerals” can include coal, uranium, gold and so forth. Most oil and gas lawyers intend to only cover oil and gas, not minerals. But the use of the word “Minerals” in the ownership section of oil and gas title opinions is very common. Sometimes a specific comment limiting the opinion to oil and gas can be found in the opinion. In other cases the lawyer simply assumes the client knows what is intended.

The old adage about assumptions will not be repeated. Many lawyers address the issue by using the words “Executive (Leasing) Right, Bonus and Delay Rental” or perhaps “Leasing Privilege, Bonus and Delay Rental” either in place of or in tandem with the word “minerals.” (See Appendix D for an example).

These are good semantic choices because they remind that executive rights can be severed from a royalty interest. Another alternative is to avoid the use of the word “Minerals” altogether and say “Oil and Gas” as is done in the Form Opinion (Appendix E). That will work nine times out of ten. In the exceptional case where the executive rights have been severed, address it by a footnote to a comment and requirement or by a modification to the ownership table. By simply saying “Oil and Gas” any question as to whether or not coal, uranium and so forth is included is avoided. Likewise, three words (“Oil and Gas”) can be used in place of six (“Leasing Privilege, Bonus and Delay Rental”) in tables that often have to be repeated throughout the opinion. There will be more said on saving words in Part VI when writing style is addressed.

By now it is obvious that numerous issues arise in oil and gas title opinions relating to scope. Does the opinion cover the surface? Is it restricted to the oil and gas estate? Is it depth limited? Does it include before and after penalty or payout calculations if there is a forced pooling order or a farmout agreement involved? These are all fundamental questions that impact the structure and format of the opinion. For this reason, the inclusion of a “Scope of Opinion” section should be considered as has been done in the Form Opinion (Appendix E). Some lawyers might say that a Scope of Opinion section is too “inside baseball” to be included so early in the opinion and should be deferred either to comments and requirements or to the limitations section at the end of the opinion. Clients get annoyed with their lawyers for putting in too many qualifiers and limitations in opinions, so why add a specific section that would pour even more fuel on that fire? That is undoubtedly a fair criticism.

In rebuttal I would say that misunderstandings with clients should be avoided. If putting a statement of scope early in the opinion can contribute to transparency and minimize miscommunications with a client it seems worth risking minor vexation.

### 3. How Much Detail?

Keep it simple; keep it short; “Omit needless words.” How often are we admonished of the importance of brevity in legal writing and in communication in general?

I have seen some very brief title opinions. I have seen some lawyers say little more that owner “x” owns the land and that it is subject to oil and gas lease “y.” Ownership may be set forth in the form of a fraction, such as “1/4,” or in a formula, such as “1/4 – (1/16) x 3/8,” but then the examiner stops. There are no decimals. There are no net revenue interests. If leased there may be a reference to the lease royalty. There are usually at least a couple of comments and requirements—but not much else.

That type of title opinion has a lot of appeal to many lawyers and some clients. It is short, it is to the point, and it does not take as much time to prepare.

Unfortunately, the world of oil and gas titles today does not often lend itself to such brevity and simplicity. The facts are too complicated. But some lawyers are inclined to be more concise than others. The following is what I will call an example of a “Short Form” ownership table in a title opinion:

---

EXAMPLE 1—“SHORT FORM” OWNERSHIP TABLE

OWNERSHIP

Our examination of the aforesaid records and documents of title reflect that, as of _______, at 8:00 a.m. CST, record title to the captioned land was vested as follows, subject to the Comments and Requirements hereinafter set forth:

SURFACE ESTATE:

Joe Allen Mixon et ux, Gayla J. Mixon
(ALL) 1.00000000

MINERAL ESTATE:

Geneva Ashby Smith  (Requirement No. 3)
(1/2 x  3/4)  .37500000

Robert H. Ashby  (Requirement No. 3)
(1/2 x  3/4)  .37500000

Sherry G. Lundberg (Requirement No. 3)
(1/2 x  1/4)  .12500000

Joe Allen Wilson et ux, Gayla J. Wilson
(1/2 x  1/4)  .12500000

________

1.00000000

LEASEHOLD ROYALTY ESTATE

<table>
<thead>
<tr>
<th>Source</th>
<th>Working Interest</th>
<th>Net Revenue Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geneva Ashby Smith  (Requirement No. 3)</td>
<td>0.06250000</td>
<td>L1</td>
</tr>
<tr>
<td>Robert H. Ashby  (Requirement No. 3)</td>
<td>0.06250000</td>
<td>L2</td>
</tr>
<tr>
<td>Sherry G. Lundberg (Requirement No. 3)</td>
<td>0.02083333</td>
<td>L3</td>
</tr>
<tr>
<td>Joe Allen Wilson et ux, Gayla J. Wilson</td>
<td>0.02083334</td>
<td>L4</td>
</tr>
</tbody>
</table>

Total RI: .16666667

OIL, GAS AND MINERAL LEASEHOLD ESTATE:

Working Interest  Net Revenue Interest  Source
This is a very good ownership table format. It is short; it is precise; it is easy to follow. It might even be called elegant.

Through most of my career this format met the needs of most clients perfectly. During most of my career, the overwhelming majority of wells drilled were vertical and were drilled either on a single tract or in relatively very small units.

Times, however, have changed. Single tract, vertical well title opinions are now the exception. Most new wells drilled now are horizontal, and it is not uncommon in at least some areas of the country for units to encompass multiple sections with dozens of tracts and hundreds of owners.

This is not to say that examiners have never had to deal with large units with multiple tracts and owners before. Natural gas wells have always tended to be more complex from a pooling standpoint than oil wells and more often involve large units with multiple tracts. This is particularly true in states like Oklahoma with an aggressive forced pooling regime. Federal units in the Rockies, or large secondary recovery units anywhere, invariably include multiple tracts.

Today, however, more frequently than ever before, both oil and natural gas wells are being completed in units with multiple tracts in the primary recovery phase. By statute in practically all states, revenues must be disbursed to owners within so many days of production. At the same time, oil and gas companies in their zeal to control costs are relentlessly automating systems and getting by with fewer and fewer lease administration, division order and accounting personnel per well completion than perhaps seen since the early days of the oil industry. What does this mean for the title examiner?

It has been said that the number one rule in all writing, legal or otherwise, is to know your audience. The “audience” for most title examiners is made up of landmen and division order analysts. My experience has been that rather than pressing examiners to be more concise in their title opinions, landmen and division order analysts are asking for more and more detail, at least in ownership tables. Why is this? Among other reasons royalty owners and their attorneys are getting increasingly demanding. They want to know exactly how that eight decimal ownership interest was arrived at. Telling them to get their own title opinion can be met with adverse reaction (mildly put).

Furthermore, landmen and division order analysts are asking for more user-friendly title opinions. There is an analogy to the court system. It is no secret that the judiciary and their staffs by and large are overworked. That is why tables of contents and summaries are now required by most court rules for appellate briefs. Judges want lawyers to make their job easier.

So what is meant by the term “user friendly” title opinion? In essence a “user friendly” title opinion makes data easy to find. This suggests: 1) adding a Table of Contents (more on that subject later); 2) replicating some data in more than one place; 3) providing tract data, even in a unit opinion (more on that subject later); and 4) helping to more easily link owners to specific comments and requirements and not presuming that a landman or division order analyst is going to hang on every word of an examiner’s too often voluminous comments and requirements section.

Essentially, anything that can be done, within reason, to make the job of a landman or a division order analyst easier, should be considered. After all, who is seeing to it that the lawyer’s bill is paid?

Some examiners may consider replication of data in more than one place redundant and inefficient. They prefer to keep things as short and simple as possible. They have a point. But increasingly the need for conciseness and brevity is being trumped by a greater need for more transparency and fuller disclosure.

There are parallels to the world of public accounting. Ownership tables in title opinions can be likened to putting together an accounting ledger. Conciseness and brevity are of secondary importance to accountants. What is of primary importance to

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9 Allyson Ho, Shorter is Better: Introductions, Summaries of Arguments, and Preliminary Statements, Legal Writing to Win, Texas Bar CLE, (Jan. 2015).

10 Which is why I prefer the columns in a title opinion to line up, as would be done in an accounting ledger. See discussion in Part VI.
accountants when writing a financial statement is or should be full transparency and disclosure. Elsewise they could find themselves sharing a jail cell with former Enron executives.

Speaking of accountants, particularly since the advent of the Sarbanes-Oxley Act,\textsuperscript{11} title information must be made readily accessible by oil and gas producers in order to back up net revenue assumptions for reserves reporting. Oil and gas companies may be subject to audits by outside auditors who can be counted on to be unfamiliar with oil and gas title opinions. Making the data in the ownership tables easier to follow, even if this involves replication, will serve an oil company better in an audit than otherwise. This is a relatively recent development that many oil and gas title attorneys may not be considering in their zeal to keep things short and simple.

Complexity in oil and gas titles is unavoidable. When examiners attempt to avoid complexity by kicking the “complexity can,” as it were, down the road, they risk alienating their clients. Clients do not want the “complexity can” either—or at least want the examiner’s help in avoiding as many of them as possible.

With that overview, consider the second example, which is what I will call a “Long Form” ownership table. To make things as consistent as possible the same basic information included in the “Short Form” is included in the “Long Form” example, with a few exceptions, which will be pointed out below:

EXAMPLE 2—“LONG FORM” OWNERSHIP TABLE

OWNERSHIP

Our examination of the aforesaid records and documents of title reflect that, as of ______,____, at 8:00 a.m. CST, record title to the captioned land, consisting of **640.00 acres**, more or less, was vested as follows, subject to the Comments and Requirements hereinafter set forth:

<table>
<thead>
<tr>
<th>SURFACE FRACTION</th>
<th>INTEREST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joe Allen Mixon et ux, Gayla J. Mixon</td>
<td>8/8 1.00000000</td>
</tr>
</tbody>
</table>

**OIL AND GAS: LEASED**

<table>
<thead>
<tr>
<th>OWNER / FRACTION</th>
<th>INTEREST</th>
<th>NET ACRES</th>
<th>ROYALTY</th>
<th>LEASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geneva Ashby Smith (1/2 x 3/4)</td>
<td>.37500000</td>
<td>240.0000</td>
<td>1/6</td>
<td>L1</td>
</tr>
<tr>
<td>Robert H. Ashby (1/2 x 3/4)</td>
<td>.37500000</td>
<td>240.0000</td>
<td>1/6</td>
<td>L2</td>
</tr>
<tr>
<td>Sherry G. Lundberg (1/2 x 1/4)</td>
<td>.12500000</td>
<td>80.0000</td>
<td>1/6</td>
<td>L3</td>
</tr>
<tr>
<td>Joe Allen Wilson et ux, Gayla J. Wilson (1/2 x 1/4)</td>
<td>.12500000</td>
<td>80.0000</td>
<td>1/6</td>
<td>L4</td>
</tr>
</tbody>
</table>

1.00000000 640.0000

**OIL AND GAS: UNLEASED**

None.

**NONPARTICIPATING ROYALTY**

None.

**LEASEHOLD ESTATE**

<table>
<thead>
<tr>
<th>OWNER</th>
<th>WORKING INTEREST</th>
<th>NET REVENUE</th>
<th>NET ACRES</th>
<th>LEASE</th>
<th>ASSIGN.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double XX Oil Inc.</td>
<td>1.00000000</td>
<td>.83333333</td>
<td>640.0000</td>
<td>L1-4</td>
<td>NA</td>
</tr>
</tbody>
</table>

**OVERRIDING ROYALTY**
DIVISION OF INTEREST

LANDOWNER'S ROYALTY ("LOR")

<table>
<thead>
<tr>
<th>OWNER</th>
<th>FRACTION</th>
<th>INTEREST</th>
<th>LEASE</th>
<th>REQ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geneva Ashby Smith</td>
<td>(1/2 x 3/4 x 1/6)</td>
<td>.06250000</td>
<td>L1 3</td>
<td></td>
</tr>
<tr>
<td>Robert H. Ashby</td>
<td>(1/2 x 3/4 x 1/6)</td>
<td>.06250000</td>
<td>L2 3</td>
<td></td>
</tr>
<tr>
<td>Sherry G. Lundberg</td>
<td>(1/2 x 1/4 x 1/6)</td>
<td>.02083333</td>
<td>L3 3</td>
<td></td>
</tr>
<tr>
<td>Joe Allen Wilson et ux, Gayla J.</td>
<td>(1/2 x 1/4 x 1/6)</td>
<td>.02083333</td>
<td>L4 NA</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>.16666667</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

UNLEASED OWNERS ("UNL")

None.

NONPARTICIPATING ROYALTY ("NPRI")

None.

OVERRIDING ROYALTY INTERESTS ("ORRI")

None.

NET REVENUE INTERESTS ("NRI")

<table>
<thead>
<tr>
<th>OWNER</th>
<th>FRACTION</th>
<th>INTEREST</th>
<th>LEASE</th>
<th>REQ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double XX Oil Inc.</td>
<td>(100% x 5/6)</td>
<td>.83333333</td>
<td>L1-4</td>
<td>NA</td>
</tr>
</tbody>
</table>

LOR+UNL+NPRI+ORRI+NRI= 1.00000000

**********

Though the same ownership information is used, notice the very different format of the “Long Form” versus the “Short Form” examples. The Long Form differs from the Short Form, first of all, in its inclusion of three additional columns. These are for: 1) net acres; 2) leases and assignments (separated into two columns instead of a single “source” column); and 3) a column including references to specific requirements (instead of noting in a parenthetical after the owner’s name as was done in the Short Form).

The Short Form is also less redundant than the Long Form in several respects. First, it only lists the lease numbers for the mineral owners once.

Second, the Short Form does not include royalty information except to the extent the royalty is included in the net revenue interest formula. Instead, it presumably relies on accompanying lease summaries to capture the lease royalty information.

Third, the Long Form includes headings under “Unleased Owners,” “Nonparticipating Owners,” and “Overriding Royalty Owners” but notes that there are none. The Short Form simply ignores these categories.

All of this makes the Long Form version admittedly less manageable and more unwieldy as document and to some might make it look less elegant in appearance. How can these additional structure and formatting differences be justified?
4. Net Acres

Turning to the specific differences between the Short Form and Long Form formats, first, the Long Form includes net acres, whereas the Short Form does not. This is one of the biggest differences I see in title opinions issued by different examiners in Texas and elsewhere. Neither of the first two sample forms in Appendixes A and B or Appendix D include references to net acres whereas the Year 2000 Model Form Opinion proposed by George Snell (Appendix C) and the Form Opinion (Appendix E) both include net acres.

So what is the issue? I have heard more than one attorney say, “My landman doesn’t want net acres.” Other attorneys will say, “I don’t want to represent net acres because a survey has not been furnished and I don’t wish to misrepresent the net acres included.”

I would observe that if a landman is telling you he or she is disinterested in net acres, chances are it is because he or she has not been around long enough. Net acres drive everything in the land business. First of all, the landman needs to know how many net acres are associated with unleased interests for leasing purposes. Second, even if the interest is leased the landman may need to pay rentals, 12 or shut in royalties, or minimum royalties which under most lease forms are acreage based. Third, if a unit is later formed, net acres are normally needed for each owner for Division of Interest purposes.

In very simple ownership tables, listing net acres may appear to be a waste of time because they can be relatively easily calculated. For example, if the tract has 100 acres, and Party A owns 1/2, it should be obvious that Party A owns 50 acres whether that is specifically stated or not. But with multiple owners and complex fractions calculating net acres gets more complicated.

I would further observe that to a certain extent the “net acres” debate is a Texas-centric discussion. Oklahoma title opinions and Rocky Mountain title opinions are much more apt to include net acres. For that matter, and at some risk of criticism from my Texas peers, I would observe that our counterparts in Oklahoma and the Rockies were more easily able to accommodate their existing title opinion formats to the shale revolution because unlike Texas, they practice in states where the forced pooling regime is better equipped to handle multiple tract development. Furthermore, the Bureau of Land Management normally requires acreage numbers to be disclosed in communication agreements. Having the net acreage figure in a title opinion can make the landman’s task easier when preparing such an agreement. This may not be as important in Texas where federal minerals are rarely encountered but it is a potential factor when rendering title in most of the Rocky Mountain states.

Another reason for including net acres is that oil and gas titles are become increasingly fractionated and complex. Describing an interest as so many net acres over the gross acres in a tract can be a shorthand way of referring to the interest. For example, if a lease covers 9/256 + 2.410837618/640, or alternatively, 24.9108 net mineral acres out of 640, which is the more convenient way to refer to the interest?13

The other reason to include net acreage is that it quickly conveys a sense of proportionately more so than a decimal interest standing alone. If an unleased interest only involves a half an acre out of 640 acre unit, for example, a business plan for dealing with it may be less of a priority than if it involved 320 acres out of 640.

The objection that net acres unsupported by survey are misrepresentative is addressed by considering that surveys themselves are rarely definitive—acreage totals frequently change upon resurvey. In any event ball park acreage estimates are frequently used for purposes of leasing interests and paying bonus. When the definitive survey comes back net acres may change, but so what? The decimal ownership interests themselves will be unaffected because the changes in numerators and denominators will be pro rata across the board.

Use of net acres is also very handy, if not a practical necessity, when dealing with working interests. Most operating agreements for primary recovery use net acres as the basis for determining working interests and will force the landman or whomever is putting the operating agreement together to make assumptions based on acres whether or not a survey has been completed.

In any event multi-tract opinions are becoming more and more the norm, even in Texas. The entire production sharing/ allocation well debate in Texas is arguably driven because of weak forced pooling laws. I predict that over time Texas opinions will be looking more and more like Oklahoma and Rocky Mountain opinions as horizontal units get larger and allocation well drilling becomes more common. Coming hand in hand with larger units is the task of having to deal with acreage tract factors which in turn leads to dealing with net acreage for individual owners.

Last word on the subject. How do you come up with net acres if the survey is not back? Make a best

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12 Admittedly the majority of today’s lease forms are paid up so paying rentals is no longer the issue it was.

13 George Snell, the program director for this course, gave this example to me.
guess using deed recitals, government land office plats, or by deed plotting the description yourself, preferably using deed plotting software. Then add a comment/requirement to the effect that all net acreage figures are best guesses based on a deed recitals or a deed plot or whatever and that the opinion may have to be revised following an actual survey or receipt of additional information. At least the landman will have a ballpark acreage figure that he or she can work with. And since more and more title examiners are rendering opinions accompanied by Excel spreadsheets, the extra effort involved in transposing net acres to the opinion is relatively minimal.

Speaking of Excel spreadsheets, one more example of a “Short Form” title opinion is as follows:

[CONTINUED ON NEXT PAGE]
Our examination of the aforesaid records and documents of title reflect that, as of November 5, 2004, at 8:00 a.m. CST, record title to the captioned land was vested as follows, subject to the Comments and Requirements hereinafter set forth:

<table>
<thead>
<tr>
<th>OWNER</th>
<th>WI</th>
<th>NRI</th>
<th>LEASE</th>
<th>TRACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double XX Oil Inc.</td>
<td>100.000000%</td>
<td>82.333333%</td>
<td>WI</td>
<td>1-4</td>
</tr>
<tr>
<td>Geneva Ashby Smith</td>
<td>--</td>
<td>6.250000%</td>
<td>LOR</td>
<td>L1</td>
</tr>
<tr>
<td>Robert H. Ashby</td>
<td>--</td>
<td>2.083333%</td>
<td>LOR</td>
<td>L2</td>
</tr>
<tr>
<td>Sherry G. Lundberg</td>
<td>--</td>
<td>2.083333%</td>
<td>LOR</td>
<td>L3</td>
</tr>
<tr>
<td>George Snell</td>
<td>--</td>
<td>1.000000%</td>
<td>ORRI</td>
<td>L1-4</td>
</tr>
<tr>
<td>Joe Allen Wilson et ux, Gayla J. Wilson</td>
<td>--</td>
<td>2.083334%*</td>
<td>UNL</td>
<td>NA</td>
</tr>
</tbody>
</table>

**TOTAL  100.000000%  100.000000%**

(*Rounded up)

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14 A standard footnote that I have added when using this format in the past included a key to abbreviations. Not every reader would know that “NRI” means net revenue interest, of that “UL” means unleased, as examples. The footnote might say the following: Abbreviations used in this Opinion include Working Interest = WI; Unleased = UL; Lease Royalty (a/k/a Landowner’s Royalty) = LOR; Overriding Royalty Interest = ORRI; Net Revenue Interest = NRI (NRI = Mineral Interest less Burdens x Working Interest for WI Owners/Mineral Interest for Unleased Owners/Mineral Interest x Lease Royalty for RI Owners/Mineral Interest x Overriding Royalty Interest for ORRI Owners). More on abbreviations later in this Part III, Number 18, Record Reference and Other Abbreviations.
This example, like the first Short Form example, is likewise a very short and elegant ownership table. The facts were changed slightly for this example—it covers more than one tract and includes both an overriding royalty interest and an unleased interest. It has a footnote with the key to abbreviations.

This form is very similar to the one proposed for fee titles by Morgenthaler in *Oil and Gas Title Examination* in his own Appendix A. This format has the advantage of consolidating into one table all of the interests that can be encountered in an oil and gas title—working interest, royalty interest, overriding royalty and so forth.

Conspicuously missing are net acres and fractional interests. Presumably Morgenthaler ignores these because he has an attitude similar to many other examiners who ignore net acres. This attitude would be consistent with the admonitions in his Rules Nos. 6 and 7 about giving too much information. See discussion in Part VI.

The other explanation for such omission is that this format presupposes something that more and more companies are requiring—an accompanying ownership spreadsheet in an Excel format to be completed by the examiner at the same time as the opinion. Net acres, fractions and other information that might otherwise be found in ownership tables in opinions can be found in the Excel spreadsheet (or workbook).

Such a system can work longer term only if the company utilizing it has internal processes in place guaranteeing that the spreadsheet does not get separated and lost from the title opinion. For this reason this format would be unacceptable to companies who want to have net acres, for example, included in their title opinions without reference to an extraneous spreadsheet. It would also be unacceptable to a company who views the title opinion, not the spreadsheet. As the primary source of title information. At least one company I know of has fully integrated their title opinion process into their Sarbanes-Oxley spreadsheet, as the primary source of title information. A spreadsheet may accompany, but the title opinion itself normally contains all required information. That, incidentally, should be a question that should be asked of a prospective client at the outset. If the title opinion is not the primary source document, then the second Short Form example (the “Morgenthaler Form”) may be a viable and attractive alternate choice.

5. **Historical Formulas (aka Fractions)**

The next difference to consider between the Short Form and the Long Form examples is use of historical formulas, which are referred to in the Long Form example as fractions. First, what do I mean by “historical fractions”? Consider the following. Grandpa owns 8/8ths. Grandpa dies leaving two children as his heirs. Each child has two children, then dies. So there are four grandkids. Each grandchild has 1/4 and many title examiners would simply state 1/4. Others would state it as “= (1/2)/2” or perhaps “1/2 x 1/2” and then put the decimal interest under “interest” as “0.25000000.” Why do this? If simplicity and elegance is important why bother with the longer version of the formula?

Many examiners would not bother. As a case in point the “Morgenthaler Form” has no fraction at all. Other examiners would gross up the historical fraction to a “root” fraction to make them less complicated. This is the approach used by both the first Short and the Long Form examples.

But compare the fractions in the Form Opinion to the fractions in the other sample opinions. Look especially at the Division of Interest exhibit (Exhibit D) to the Form Opinion (Appendix E).

Why use such lengthy formulas instead of a simpler fraction? Because many examiners believe that it is useful to “tell a story” as to how title evolved. Each divisor in the formula represents a different transaction or event in the chain of title.

For example, “(((60%/3)/2) + (20%/3)) + (((60%/3)/2) + (20%/3)) “could also be represented as “1/3.” But each divisor or multiplier in the chain represents an event that impacted the title. One might have been a deed; another might have been a probate; another might have been a judicial partition in a divorce settlement. Grossing up the formula to 1/3 omits the history.

If the historical fraction is included and if the client wished it could go back to the spreadsheet and trace the examiner’s steps in coming up with whatever decimal interest is ultimately represented. Similarly, if a title history or a list of instruments in a “chain of title” exhibit or section is provided in the opinion itself, the historical fraction would enable someone reading

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15 MORGENTHALER *supra* note 3.

16 This is the attitude of at least one company the Examiner knows of who has used this format in the past. That company required an accompanying, customized spreadsheet in a format which sets forth net acres, historical formulas and much other data separately. However, I am advised that the company has more recently retreated from that practice and gone back to the more traditional approach.

17 See *supra* note 11.
the opinion to replicate the examiner’s ownership calculations without having to refer to a run sheet or the abstract. Furthermore, in the first example if grandpa’s prodigal son appears following a probate proceeding triggered by a requirement in the examiner’s original opinion, and the interests must be recalculated, the client could go back to the “root” formula and make the adjustment without having to get a supplemental opinion from the examiner. (Take the original fraction, \( = (1/2)/2\), and substitute \( = (1/3)/2\) for each grandchild, or 0.166666667 instead of 0.25000000.) This provides greater flexibility for the client in keeping pay decks updated and saves on legal bills. Or, more optimistically for the title examiner, the lawyer can be freed up to be hired for another more pressing task. Being able to furnish the historical formula (usually put under a column that says “fraction”) also allows greater transparency and potentially improved owner relations. At least one legal writer has surmised that an implied covenant of disclosure may be arising in law for the same reason that earlier implied covenants, such the duty to further develop, or to prevent drainage, arose to fill in the gaps in lease forms that were often the product of the superior knowledge and bargaining power of the lessee. Oil and gas title opinions are increasingly expensive and it is impractical for most small interest owners to pay for their own opinions. Would it be too far of a stretch of the implied covenant of disclosure to say that an oil or gas producer in possession of a title opinion has a duty to share it with its lessors to the extent required to explain how an owner’s decimal interest was derived? Though to my knowledge case law has not yet gone so far as to require a producer to furnish copies of title opinions to owners in the absence of an express lease or contract provision dealing with the issue, at least one Texas case has dealt with fraudulent concealment of a chain of title by and oil company.19 In any event the contents of title opinions and their ownership calculations are often subject to litigation. It is commonly thought that title opinions, since they are subject to attorney client privilege, are not discoverable. But the privilege is often waived by the client when it distributes title opinions to third parties as may be required by operating agreements, purchase and sale agreements, or otherwise.

Is the dissemination of title opinions by producers becoming so commonplace that some future court might carve out an exception to the attorney client privilege and require a producer to give a copy to an owner under an implied duty of disclosure? If such required disclosure was to come about, would the producer look less or more like a prudent operator in having relied upon a title opinion with ownership interests supported by a historical fraction? Or is the legal profession held in such high esteem by jurors that a lawyer’s word (decimal interest and nothing more) is good enough?

My own experience in dealing with owners like Aunt Sally whom a client referred to me for explanation of why her decimal interest is .00222168 while her Cousin Minnie’s is .00222189 is that many people are less than confident in lawyers who claim to have such omnipotent command of the facts that their conclusions should be accepted as sacrosanct and with no necessity of further explanation. On the other hand, if you are able to show the historical fraction and use it to explain that Grandma Blanche must have loved Cousin Minnie’s mother more than Aunt Sally’s because Cousin Minnie’s mother received twice as much interest in the 1947 gift deed, Aunt Sally may still be angry but hopefully her anger would then be directed at her late Grandma and not at you.

So in this respect, I am not entirely in agreement with Morgenthaler’s Rule No.6, discussed in Part VI, “Don’t Give a History Lesson.”20 In any event, if it is

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18 JOHN BURRITT MCArTHUR, OIL AND GAS IMPLIED COVENANTS FOR THE 21ST CENTURY, Ch. IX (Juris 2014).
19 Kerlin v. Sauceda, 273 S.W. 3d 920 (Tex. 2008). In that case the court rejected the fraudulent concealment argument when the lessee allegedly concealed portions of his chain of title. McArthur, ibid, is very critical of that case in his book and others like it from the Texas Supreme Court because they presume that royalty owns must undertake continuing scrutiny of lessors to ensure that they are telling the truth and are honestly performing the tasks they were hired to undertake. To McArthur, this lack of protection by the courts of the lessor in such situations runs counter to the history of the development of implied covenants which arose to protect the party with the lesser bargaining power from an exploitative relationship. One of the premises of McArthur’s book is that new implied covenants, such as an implied covenant of reasonable disclosure, are overdue from the courts. See MCArTHUR, supra note 18, at 346-360.
20 Here is Morgenthaler’s Rule 6 verbatim: “Don’t Give a History Lesson. You may rest assured that your client is not interested in a detailed presentation of every assignment in the chain of title to his leasehold interest unless he asks for it. Do not tell your client how he got where he is; chances are, he only wants to know where, not how. Some firms render title opinions that merely tabulate the leases, then tabulate each assignment in the chain of title, and leave it to the client to figure out just who is left owning what. This is totally inadequate. It provides too much information, none of it worthwhile. If you find yourself writing a comment about a fascinating title problem where Tillie Wassel sold the farm to her nephew, Billie Wassel, then bought it back at a tax sale, and had to endure a suit brought by Willie to get the farm back, but the whole thing does not matter because Billie and Tillie both eventually quitclaimed to Uncle Edgar,
decided that historical fractions are going to be included in a title opinion, then the title opinion format must be designed to accommodate, as is done in the case of the Form Opinion (Appendix E) in its Exhibit “D,” Division of Interest. Even the Long Form example set forth above for a single tract has a “Division of Interest” table incorporated which is included to provide more space to showcase historical fractions than the Short Form version to which it compares.

For those familiar with Excel, it should be apparent that the formulas in the Form Opinion are cut and pasted from an Excel spreadsheet. Some Examiners would object to that format and would substitute for the Excel formulas a more text based statement of the formula. For example, instead of saying “\((25/464)/2\) + \((15/464)/2\),” the following format might be used: “\([[(25/464) \times 1/2]] + \[(15/464) \times 1/2]\).” In both cases the formulas equate to 0.04310345.

An objection that I have to the latter example, despite the fact that it is easier on the eyes is that the formula has to be recast rather than simply cut and pasted into an opinion from a spreadsheet. Having to recast the formula involves additional time for the examiner in a business where cost control is always a client concern.

Similarly, if the ownership table in the opinion is either available to the client in a word processing document or is constructed by converting the table from a PDF, the examiner’s formula can be cut and pasted by the client into an Excel spreadsheet. This can be useful when demonstrating to an owner how a particular decimal interest was determined.

Clients may object to overuse of parentheses in an Excel formula. This can result from a title examiner chaining title in Excel starting with the patent and continuing on through the last document of record. While this replicates the historical chain the formula can become unwieldy and difficult to understand when viewed on a stand-alone basis.

The solution would appear to be to use as few parentheticals as possible despite the fact that it will lengthen the formula. Another technique used by many examiners is to gross up the fractions to a “root” fraction and show only historical changes since that time. This might work well where a tract of land stayed in the same family over a period of decades or at least long past the statutory period called for under the applicable adverse possession statute.

Time and space prevent further discussion of the “historical fraction” issue and related chaining techniques. As oil and gas titles become more diffuse and complex through time there appears to be a parallel growing distrust by owners that lessees are properly crediting their interests. Suffice to say that if you have not worried about historical fractions in the past, there is no guarantee that you will be able to ignore them in the future, or that old opinions you wrote without them might not return to haunt.

6. Rounding

Another issue for which there is considerable divergence among Examiners is the issue of rounding. In both the Short Form and the Morgenthaler Form examples above there was a rounding up of the interest of “Joe Allen Wilson et ux, to Gayla J. Wilson” to .02083334 (or 2.083334% in the Morgenthaler Form.) This was not the case in the Long Form which left it at .02083333, as it would be disclosed in Excel.

Many examiners and their clients feel strongly that numbers in a title opinion should be susceptible to manual adding of all numbers to “1,” and if that is not the case, that the opinion is in error. This can create an issue when converted fractions, like 1/2 x 1/4 x 1/6 go to infinity. There are two solutions. The first is to manually round either by eye or by use of the Excel rounding function. The second solution is to insert a comment and requirement addressing the issue, such as Comment/ Requirement No. 18 in the Form Opinion.

As the comment/requirement points out, in some respects the debate is misplaced. For example, the difference between 0.50000000 and 0.49999999 in a net revenue calculation would be equal to one barrel out of 100 million; and, similarly, the difference between 0.50000000 and 0.49999999 in a cost calculation would be $1.00 out of $100 million. This should cause some wonder about whether this is worth paying an examiner to go through the steps to manually round, particularly in long opinions with hundreds of entries.

The solution would be to pick one or the other approach depending on the number of entries and a judgement call by the examiner on how long it would take to go through the rounding. If the first approach is taken it would be appropriate to note which figures are being rounded as is the case in both the Short Form and the Morgenthaler Opinion examples.

7. References to Requirements
Both the first Short Form and the Long Form examples reference specific requirements in title opinions. This is not universally true of title examiners. Most lawyers would prefer not to reference specific title opinion requirements at all. After all, are not all the lawyer’s title requirements worthy of being read? If not, why were they made in the first place?

The truth is that all title opinion requirements are not worthy of being read. A fair number of title requirements are included for the only purpose of covering the lawyer’s back. Reference the formal limitations sections in the opinions included in the Appendixes.

If you look at title opinions over the past half century or so (and many lawyers, including myself, get to do this routinely in the process of preparing supplemental opinions), the number of title comments and requirements have increased exponentially. Whether lawyers are smarter (doubtful), or more concerned about being sued for malpractice (more likely), or if the world of oil and gas titles has simply gotten more complicated (indisputable), comments and requirements in title opinions just seem to keep getting more and more numerous.

The chickens have come home to roost. Many clients are insisting that lawyers tell them which title requirements are tied to which owner in ownership tables. This can be done in a variety of ways. The first Short Form handles by notation following the owner’s name. The Long Form has a separate column in the Division of Interest table. Footnotes or asterisks are used by other lawyers. Irrespective, not referencing requirements in title opinion ownership tables is among the greatest pet peeves of division order analysts and is an issue that lawyers ignore at their peril. There will be more said on this subject in Part IV, below (“Organizing Comments and Requirements”).

8. Distinguishing Leasehold Information from Working Interest Information

Working interest is the operating interest under an oil and gas lease. A leasehold interest, in contrast, is the oil and gas leaseholder’s possessory estate in land, and may be either operating or non-operating. Leasehold interests may ripen, therefore, into working interests but they do not necessarily start out that way.

Why would leasehold information be of interest to a client since costs and revenues are allocated on a working interest, and not a lease basis? The reason is that unit boundaries change all the time. Having leasehold as well as working interest information allows a client to quickly deal with unit changes and determine who the new working interest owners are.

In the Model Form Opinion proposed by George Snell (Appendix C) leasehold information is included in a column separate from working interest. Note that the leasehold information in Appendix C always adds to 100% irrespective that the associated working interest may be less than 100%.

While not directly related to the subject of leasehold interests I mention that George Snell in his Model Form Opinion as well as other examiners include summaries of relevant title facts from completion reports for all wells drilled in the area being examined. Identifying producing well information can assist a client to a client in determining whether or not a particular lease is held by production, or not. This is not a universal practice. Some examiners will not refer to wells at all. This is something that should be discussed with the client because it will require review of completion reports and other information not typically included in title abstracts.

9. Short or Long Form? Which is Preferred?

So which form is to be preferred? At this point my own biases have undoubtedly become evident. But what is the justification, for example, for inserting a heading such as UNLEASED OWNERS (“UNL”) and then putting the word “None”? Why replicate lease numbers in both the owners section and the division of interest table? Whatever happened to the adage, “Omit needless words”?23

Professor Strunk, may he rest in peace, was not a landman or a division order analyst. The reason it is useful to put “UNLEASED OWNERS (“UNL): None,” is that there is probably no single piece of information in a title opinion more important for a landman preparing for a drilling well to know than whether there are unleased interests. Why be coy about it? Tell the landman as early in the opinion as possible.

As another example, look at the initial reference to the owners in the first Short Form table. What if there had been a hundred owners listed over the course of ten pages? Is omitting the lease number and the royalty rate applicable to the owner an efficiency—or is it a missed opportunity to take advantage of space that is already on a page and that might make a landman or division order analyst’s job dealing with a long opinion just a bit easier?

21 PATRICK H. MARTIN & BRUCE M. KRAMER, WILLIAMS & MEYERS, OIL AND GAS LAW 1155 (LexisNexis 2014).
22 BLACK’S LAW DICTIONARY 416 (3rd pocket ed. 2006).
23 Infra note 46.
This gets back to the “complexity can” discussed earlier. Lawyers undoubtedly can make things easier for themselves by including the least amount of information possible. But does that make things easier for the client? Why separate columns for Leases and Assignments instead of the single column, “Source”? In the simple, one tract opinions shown in the Short and Long Forms it would not make much difference. But what if there are a dozen or more each of leases and assignments? Last word on this topic. Leaving out or abbreviating historical fractions, omitting net acres, avoiding references to lease royalties, and combining lease numbers and assignment numbers under a single “Source” column unquestionably leads to simpler and more elegant title opinions ownership tables, and there is much to be said for that from the standpoint of appearance. The Short Form examples above and the sample opinions found in Appendixes A, B and D all speak for themselves in this regard. These are particularly attractive options when the title is very simple.

Oil and gas titles, however, are not always simple. Having the extra columns for a total of six in the Long Form example (versus four in the Short Form version) with different column widths depending on the section of the Opinion makes the Long Form opinion more difficult to deal with from a formatting standpoint because alignment, margin and spacing issues have to be carefully managed if the format is to still look clean and crisp. But the additional columns also provide those extra touches I have been talking about that can make the ownership tables in an opinion more transparent, more fully disclosing, and more user-friendly to the reader, particularly if the opinion is very lengthy.

A reader of a title opinion should be able to find information as quickly and as easily as possible. Returning to my earlier accounting analogy—is the goal of a financial statement to be brief, or is to provide transparency and full disclosure? Ownership tables in title opinions should be thought of the same way.

Perhaps I have sold you on the Form Opinion format for long title opinions. But why not use something simpler and less complicated for shorter opinions? That is an excellent question. Before answering, however, a discussion needs to be had about law firm branding and overall consistency in title opinions. That discussion is included in Part V below when talking about the Form Opinion.

10. Lease and Assignment Summaries

Moving on finally, from the ownership tables, look at sample forms A through E in the Appendixes and the different treatment of lease summaries. A lease summary of some sort is found in almost any title opinion. It would be a brave (or careless) title examiner who would not bother to tell the client who the lessor and the lessee are under the leases applicable to the lands, what the dates of the leases are, recording information, term of the leases and what the royalty rate is.

Beyond that, title examiners vary widely in terms of how much information they capture about provisions in the applicable oil and gas leases. Some examiners will come close to copying the entire lease in the title opinion. Other examiners will provide the bare minimum to identify the lease and disclose the royalty rate.

Summarizing the lease can be a dicey thing. What if you leave out a key provision that the client otherwise overlooks, leading to lease forfeiture or a release of critical acreage? On the other hand, I once had a client tell me, “I don’t need to pay you to tell me what is in my lease.” Probably because those words still echo, I lean towards a “less is best” philosophy when it comes to lease summaries. This may sound inconsistent with the lecture I have been giving so far on providing more, not less, information in title opinion ownership tables. But once you start moving away from ownership tables, a different philosophy should kick in. It is not the examiner’s task to summarize every document in a leasehold or mineral chain of title. Doing this can add astronomically to the cost of a title opinion and is not needed. Morgenthaler’s Rule No. 8, “Don’t Prove How Much You Know,” is relevant in this regard. Beyond that, clients can and should read their own leases. That is one “complexity can” that is unavoidable.

Give the names of the lessor and lessee, the date of the lease, recording information, lands covered, royalty rate, and whether rentals are paid up, or not. Indicate any features of the lease that might cause premature forfeiture or clauses that will cause acreage to be released. At that point, I generally stop. A standard requirement that I and many other examiners use reminds the client to read the lease(s) and not rely on the summaries. See the example in the Form Opinion at comment/requirement no. 12.

This is a subject that should be discussed with the client because client preferences vary widely. Some prefer a more comprehensive approach so that the opinion can in effect be a single source document of the most pertinent information having for a particular

24 Infra note 36.
oil and gas title. If the client wants to pay for the additional time it takes to provide such summaries I have no issue accommodating.

When discussing the issue recently with a division order manager for a well-known oil company, it was suggested that cost netting and whether or not royalties are due on flare gas are two other important provisions that should be referenced in a lease summary. A landman for the same oil company suggested that the maximum number of acres that can be pooled for oil and gas is something else worthy of being noted in a lease summary.

At least one examiner I know believes that detailed summaries of “Pugh” clauses or other such retained acreage clauses should be an absolute requirement in a title opinion. Other examiners will simply note the existence, or not, of such a clause as was done in the Form Opinion (Appendix E). These are just a few examples of the many and varying preferences that clients and examiners may have with regard to lease summaries.

The same discussion can be had about the level of detail in assignment summaries. Some lawyers will not include assignment summaries. But assignment summaries can be very useful particularly to a division order analyst reviewing an examiner’s calculation of deduction of overriding royalty from net revenue interests. Proportionate reduction clauses and what other agreements the assignment may be subject to are also key issues with assignments. See the sample assignment summaries in the Form Opinion.

11. Detail in Mortgage, Easements and other Miscellaneous Summaries

There is less divergence of opinion on how much information to include in miscellaneous summaries of encumbrances such as mortgages and easements. Again the guiding principle in this regard should be that less is better. Mortgages are time barred in Texas four years after maturity. If the mortgage does not identify the due date of the note, then limitations runs from date of the mortgage. Mortgages can be amended and extended, but in final analysis, all that really needs to be cited are mortgage facts such as due date and present owner.

Similarly, it should not be necessary to tabulate assignments of easements or the mortgages which may encumber them. Who the current owner of an easement is or whether a mortgage encumbers an easement is information that has minimal impact on oil and gas operations. Most examiners would not bother to include such information in their summaries.

Unreleased but presumably expired leases are another subject. Reference Exhibit E to the Form Opinion and take special note of the four categories of prior unreleased oil and gas leases. These categories are self-explanatory. The most troublesome category is “Category 1” which includes prior unreleased leases without “Pugh” clauses that could be held by production from wells miles away on non-contiguous tracts. Much less troublesome is the last category, “Category 4”— a small lease contained wholly within the drilling unit. Visual inspection of your drill-site may determine if that lease is a problem, or not (assuming the lease was never pooled or unitized).

The detail that is included in the lease summaries for presumably expired leases is normally much less than what is provided for active leases. I generally do not include assignment detail for expired leases unless the client asks for it which presumably would only happen were an investigation to show that a presumably expired lease may be an issue after all. This happens relatively infrequently so the additional time and effort required in summarizing the assignments up front is hard to justify from a cost perspective.

12. Use of Exhibits and Tables of Contents

Another common difference in title opinion formats relates to use of exhibits. Some examiners do not use exhibits at all. See the sample form in Appendix D. Other examiners use exhibits very liberally. See the Form Opinion (Appendix E).

Liberal use of exhibits goes almost hand and hand with incorporating a Table of Contents. Without a Table of Contents the client is more prone to waste time thumbing through the body of the opinion to look for, as examples, lease summaries or a Division of Interest.

Some lawyers I have discussed the issue with object to Tables of Contents as being “overkill” or not worth the trouble, or at least not for very short title opinions. My response is, what about the Federal and Texas Rules of Appellate Procedure (Rules 28 and 38 respectively)? Even a one page appellate brief is required to have a Table of Contents. Why is that? Because appellate judges and their staff are busy people and want to have a ready reference to the brief to quicken their review process.

Why would the circumstances of equally busy landman or division order analysts be different when it comes to reading a title opinion? See the Form Opinion for an example of a Table of Contents.

13. Sequence of the Opinion

An issue closely related to the use of exhibits and a Table of Contents is the general issue of sequencing.
This is possibly the biggest issue of all when it comes to differences between title opinion formats. Look at the sample opinions in Appendixes A-E and note the inconsistencies in this regard. Lawyers and their clients are all over the map when it comes to the sequencing of information included in title opinions.

So how would I handle sequence? Look at the Form Opinion in Appendix E. Following the Working Interest Owners Summary, the opinion first identifies the fee owners in a separate section from the leasehold owners called “Ownership of the Subject Lands.” The fee owners are the owners of the oil and gas rights and are normally the executive owners of the leasing rights. They are, in effect, the participating royalty owners. This is the portion of the ownership tables devoted to the lessors and unleased interests. If there are non-participating royalty (NPRI) owners, they are referenced in proximity to the lessors and unleased interests so that they can be better linked to the lessors and unleased owners who may be subject to their interests. The NPRIs should be connected to the owners by footnote, asterisk or otherwise.

The next section of the opinion is for the leasehold owners (“Leasehold Estate”). This is also where the overriding royalty (ORRI) owners are included since they are carved out of the leasehold estate. Once again the ORRIs should be linked to the leases they burden by footnote, asterisk, or otherwise.

Next, the Division of Interest table. See the Division of Interest table included in the Long Form example for single tract or even multiple tract opinions. If a unit is involved, use the Division of Interest table included as Exhibit D to the Form Opinion.

Last, if there is a unit, disclose the working interest owners and their respective shares of well costs. For convenience put the unit net revenue interest by the unit working interest. Until recently I had this table in the middle of the opinion because that seemed logically sequential. But clients objected. When you think about it, the first question a landman wants to have answered is “what is my company’s share of costs and revenues?” So rather than burying the working interest table in the middle of the opinion, I now make it the first ownership table at the beginning of the opinion.

In summary, the sequence of the opinion I am suggesting flows as follows: 1) fee ownership; 2) leasehold ownership, and 3) Division of Interest. If there are a unit, put a summary of the working interest owners up front.

Why separate? Why not have all the ownership for a single tract in close proximity? This is the most common objection I get from clients or other attorneys when they first see this format.

The first advantage of the sequence I suggest is that it can shorten the length of title opinions by lessening repetition of redundant information. Generally speaking there is more likely to be commonality between leasehold interests, as a class of ownership, than fee interests. What if the same company has leased all of the twenty six tracts covered by the title opinion? A single leasehold table for Tracts 1-26 could be set up irrespective of how diverse the royalty ownership interests are in the fee section of the opinion. See the leasehold summary in the Form Opinion for an example of what I am referring to.

Second, what do landmen look for primarily when they are getting a drilling location ready for operations? The first question is usually are there any unleased interests? The second question is, who are my partners? The next question might be what are the net revenue interests in the leases? All this information is quickly accessible to the landman in the unit and leasehold summaries without the landman (or her Land Manager or Land Vice President or General Counsel) having to thumb through a long opinion looking for it tract by tract.

Unit outlines are often in a state of flux. Having all the leasehold information in one section can facilitate a landman’s being able to more quickly address fluctuating unit boundaries.

Third, what does a division order analyst want to see in a title opinion when a new well comes on stream? Generally, the division order analyst first wants to see the information needed to prepare a division order. That is the primary purpose of a separate Division of Interest table.

I have had many debates over whether or not my concept of separating the three tables is a better solution than handling each tract on a stand-alone basis. Keeping all the information together in a single tract summary is without doubt a simpler solution. But if a Table of Contents is provided, would not the separated information be just as accessible? What about the advantage of having all the leasehold information in one section for pre-drill planning purposes? If a well is not timely drilled because the landman was not able to solve complex pre-drill title curative issues, all the other issues can go away. If having all the leasehold information together in one section can hasten the landman’s job, then everyone else benefits.

14. Chains of Title (Mineral and Leasehold)

Many examiners, particularly in Texas opinions, will include a list of the pertinent documents in the mineral chain of title. This is much less common in Oklahoma and the Rocky Mountain States because title
opinions so often will include multiple tracts and the sheer number of different instruments can make such lists very lengthy. Some examiners even in Texas will question whether such an inventory is useful given that the client likely possesses the same run sheet as the examiner which presumably includes all the instruments.

But if the list is short enough the historical information and utility of not having to track down the run sheet at some later time may outweigh the additional cost. If the list is greater than thirty or forty instruments, either discuss with the client or omit with the comment that the list can be included in a supplement to the Opinion.

Some lawyers will also include lists of the assignments contained in leasehold chains of title. In most cases this seems redundant since assignment summaries are normally included in the opinion already and at least in the Long Form example and the Form Opinion, are tied to owners in the ownership tables.

Some Examiners will go much further than simply listing the pertinent documents in a mineral or leasehold chain of title. They will include a narrative history of the chain of title. If such a narrative is short, I would not take exception and have included it. If the narrative is short enough the historical summaries are normally included in the opinion already and at least in the Long Form example and the Form Opinion, are tied to owners in the ownership tables.

Some examiners will go much further than simply listing the pertinent documents in a mineral or leasehold chain of title. They will include a narrative history of the chain of title. If such a narrative is short, I would not take exception and have included it. But longer narratives run the risk of being convoluted and rambling and some clients will be annoyed (justifiably) in having to read them. This is where I am in agreement with Morgenthaler’s Rule No. 6—“Don’t Give a History Lesson.”

I know of other examiners who will insert their comments and requirements into the mineral chain of title. This has its advantages. It can avoid replication of recording references and other document information and can better put issues in a historical context. The disadvantage to this approach is lack of prioritization. The most significant requirement in the opinion could be buried at the end. More on this subject in Part IV below.

15. Addresses

Another issue that examiners will differ on is with addresses of owners. Some examiners do not include addresses of owners, others do. The argument for not including is that last known addresses of record are frequently not current and the client presumably has a handle on the addresses of the owners anyway since the landman is trying to lease or negotiate surface damages. In Oklahoma there is a state wide mineral registry which many landmen rely on anyway—so why pay an examiner to identify last known addresses in the title opinion? 26

Other clients deem last known addresses of record very useful. Where do you begin the process of locating the current mineral owners? What if an interest is unleased? Knowing the last known record address of an unleased mineral owner may be the first step in locating him or her. This issue, however, should be discussed with the client to make sure that efforts are not being replicated with those of the field landmen.

The Form Opinion incorporates last known addresses in its Exhibit D, the Division of Interest exhibit. That way the address can be found next to the net revenue interest that will be relied upon for payment purposes. In single tract or multiple tract opinions lacking a Division of Interest Exhibit D, the addresses can either be inserted in the Division of Interest table in the body of the opinion or in a separate exhibit. I prefer the separate exhibit because addresses in the Division of Interest table located in the body of the opinion tend to clutter with too much information.

Note the date of the source document following the addresses in Exhibit D to the Form Opinion. This gives the reader a sense of how “stale” the address of record is. If addresses are included, it is important to remind the client that they are last known addresses of record, only, and may not be current. This is done in the Form Opinion in the Limitations Section.

16. Before and After Payout Interests

Another issue that should considered is whether the ownership information is to be presented on a before or after penalty or payout basis? In states such as Oklahoma and North Dakota, for example, forced pooled owners are entitled to statutory or commission mandated royalty prior to recovery of penalty which means that separate sets of before and after penalty working and net revenue interests must be calculated.

This can happen even in Texas with its weaker forced pooling laws if there is a farmout or a common law carried interest. Having to account for before and after payout or penalty interests adds an additional layer of complexity to title opinions. Some clients will handle the calculations themselves and do not want the title opinion to address payout or penalties. Other clients may be short staffed and will want the lawyer to furnish detailed before and after penalty calculations. For those clients who require or desire ownership

spreadsheets to accompany title opinions, the pivot table function in Excel can be useful.\footnote{\textsuperscript{27}} In any event a discussion should take place with the client early in the process of preparing the title opinion to determine what is going on factually with reference to carried interests, farmout agreements, forced pooling and the like. Depending on the outcome of that discussion it should be stated somewhere in the title opinion that the information is or is not being presented on a before or after payout or penalty basis. If farmouts or forced pooling penalties and so forth are being ignored this would mean that the information in the opinion is being presented on an after payout basis. This statement is found in the Form Opinion in the Scope of Opinion Section.

17. Plats

It is very common in Texas title opinions for land plats to be attached. This is because Texas legal descriptions are so frequently stated by metes and bounds or are otherwise irregular. Attaching a plat is another one of those “user-friendly” features of a title opinion that helps the landman or division order analyst reading it for the first time to get oriented more quickly.

A pet peeve that has been communicated to me by clients concern plats where the subject acreage was apparently colored in yellow with no further identification. A black and white copying machine, of course, will not pick up color. Better to use a heavy outline or an arrow to indicate the lands being examined in relation to other tracts.

18. Record Reference and Other Abbreviations

Many title opinions will have “Record Reference Abbreviation” sections. These are useful sections that can shorten opinions. For example, in the Form Opinion instead of stating Volume 246, Page 89 of the Deed Records of such and such a county the explanation in its “Record Reference and Other Abbreviations” section allows “246/89” to be substituted. This section provides other opportunities to economize words or clarify formatting issues which is why in the Form Opinion the section is entitled “Record Reference and Other [italics added] Abbreviations.” An abbreviation I find particularly useful is “C/R” in place of “Comment and Requirement.”

19. Number of Decimal Places

Working interests are traditionally expressed as percentages, whereas net revenue interests are almost invariably expressed as decimals. It is said that consistency is the hobgoblin of small minds.\footnote{\textsuperscript{28}} I would not advise challenging that axiom when it comes to the number of decimal places in net revenue interests. Most of my clients want net revenue interests in eight decimals.

A working interest expressed as a percentage would have an equivalent six decimal places. Some examiners will use decimals, not percentages, when referring to working interests, as is done in the Long Form and in Appendices B, D and E. Using an eight digit decimal instead of a six digit percentage takes less space and is visually more consistent. Whatever the convention is stick with it and do not bob back and forth with shorter or longer numbers of decimal places for either working or net revenue interests.

20. Effective Date

Ideally the effective date of the title opinion should coincide with the date of first sales. This is normally the effective date of the division order. Some examiners consider this sacrosanct and will make a specific comment and requirement that the abstract be supplemented through first sales. Sometimes, however, the client will not want to pay for the additional abstracting cost in bringing title forward to first sales.

There is found in most oil and gas leases a clause requiring the owner to notify the lessee of changes in ownership.\footnote{\textsuperscript{29}} Once the client has a title opinion a

\begin{itemize}
    \item \textsuperscript{27} “In data processing, a pivot table is a data summarization tool found in data visualization programs such as spreadsheets or business intelligence software. Among other functions, a pivot table can automatically sort, count total or give the average of the data stored in one table or spreadsheet, displaying the results in a second table showing the summarized data. Pivot tables are also useful for quickly creating unweighted cross tabulations. The user sets up and changes the summary’s structure by dragging and dropping fields graphically. This "rotation" or pivoting of the summary table gives the concept its name.” \textsc{Wikipedia, the Free Encyclopedia, “Pivot Table,”} \texttt{http://en.wikipedia.org/wiki/Pivot_table} (last visited May 7, 2015).
    \item \textsuperscript{28} \textsc{R. W. Emerson, Self-Reliance}, in \textsc{Essays, First Series} (1841) (“A foolish consistency is the hobgoblin of little minds, adored by little statesmen and philosophers and divines.”).
    \item \textsuperscript{29} “…and no such change or division of such ownership shall be binding on a lessee until forty five days after Lessee shall have been furnished at Lessee’s principal place of business with a certified copy of recording instrument or instruments evidencing same.” \textsc{John S. Lowe et al., Forms Manual to Accompany Cases and Materials on Oil}
\end{itemize}
First, what are “comments” and what are “requirements” in title opinions? Think of a “comment” as the statement of the issue. Think of a “requirement” as a statement of the solution.\textsuperscript{30} Most examiners put comments and requirements in a separate section of the opinion.

Comments and requirements serve a dual purpose. The first and primary purpose is to set forth steps necessary to cure the client’s title. The second purpose is to protect the examiner from being sued.

Clients are not fond of reading comments and requirements in title opinions. Who can blame them? So clients often ask examiners for help in prioritizing.

This is because so many examiners use a stream of consciousness approach in writing comments and requirements that at best might sequence them in the order that the issues arose in the chain of title. This can frustrate clients who are often left with too many and too verbose requirements to sort through with too little time (or patience) to review.

But some examiners object to prioritization of comments and requirements in principle. They will say that all the comments and requirements in their opinions are important; if not, they wouldn’t have been made in the first place.

I would not advise relying on that line of argument. Most landman and division order analysts would scoff at that attitude, and rightly so. Recall the discussion in Part III about the explosion of comments and requirements in title opinions over the past decade and how clients are demanding more help in dealing with them.

On a more thoughtful level, an examiner might say that prioritization can imply waiver. Waiving comments and requirements in title opinions should be up to the client to decide, not the examiner.

The General Requirements are like cattle cars—second class passengers in the car following; then the coach car; at the end of the train, before the caboose, the cattle cars.

Using the train as a metaphor, various forms of oil and gas title opinion comments and requirements may be put into perspective. “Formal Requirements” (also known as “Limitations”) can be likened to the caboose. Who cares about the caboose? No one unless the train needs to be stopped. Formal Requirements are usually found at the end of the opinion—look at the examples in the Appendices. Hardly anyone reads the Formal Requirements—unless there is a title bust and the client wishes to sue the lawyers.

All the other comments and requirements, by definition, would be “Informal Requirements.” The Informal Requirements can be further divided into “General Requirements” and “Special Requirements.” The General Requirements are like cattle cars—passengers tend to ignore them. These are requirements like “Read the lease,” or “Get an affidavit of use and possession,” or “Check the taxes,” or “Secure a division order.” These are borderline Formal Requirements—but they are there to help the clients, not just protect the lawyer.

Next are the “Special Requirements.” Now we are into the passenger cars; now we are getting to the important part of the train. These can likewise be divided into “Advisory” and “Non-Advisory” Comments and Requirements. An “Advisory Comment” by definition cannot have a Requirement—there is nothing to be cured. In any event Advisory Comments are like coach cars; they are important, but not as important as the first and second class passenger cars. Advisory Comments do not require curative action but they inform the client of things that should be on their radar screen.

The Non-Advisory Requirements are the action requirements. These can be further divided into “Drilling Requirements” and “Production (i.e. Division Order) Requirements.”

Waiving comments and requirements is a subject in itself.\textsuperscript{31} Let’s assume prioritization is possible. How can comments and requirements best be prioritized to make the jobs landmen and division order analysts easier?

Think of a steam driven train, traveling from El Paso to Fort Worth circa 1900. There would be an engine, followed by a coal car. At the end of the train, a caboose. Between the two there would be passenger cars; first class passengers perhaps in a Pullman; second class passengers in the car following; then the coach car; at the end of the train, before the caboose, the cattle cars.

And Gas Law 2-6 (Oil and Gas Texas Company Lease Form) (\textsuperscript{4th} ed. 2004).


Paul G. Yale, To Waive or Not to Waive: Analyzing Oil and Gas Title Opinion Requirements, STATE BAR OF TEXAS, 27\textsuperscript{th} ANN. ADVANCED OIL, GAS AND ENERGY RESOURCES LAW COURSE (Oct. 8-9 2009).

Footnotes:

\textsuperscript{31} Paul G. Yale, To Waive or Not to Waive: Analyzing Oil and Gas Title Opinion Requirements, STATE BAR OF TEXAS, 27\textsuperscript{th} ANN. ADVANCED OIL, GAS AND ENERGY RESOURCES LAW COURSE (Oct. 8-9 2009).
Drilling Requirements are like the first class cars. They are the most important cars in the train (except for the engine). These are the requirements that the landman wants to get out of the way first so the rig can be moved to location.

The Production Requirements are like the second class cars. They are the second most important on the train. Not curing them may not stop the drilling of the well, but it may stop revenue from being paid to owners.

The engine, by the way, is the examiner; the coal car—Starbucks? Enough of the train metaphor—what is the point? The point is that comments and requirements in title opinions, can and should be sequenced as follows: Informal Requirements always trump Formal Requirements; Special Requirements always trump General Requirements; Non-Advisory Requirements always trump Advisory Comments. Drilling Requirements always trump Division Order Requirements.

In the Form Opinion the comments and requirements have been labeled as Special and General Requirements and are sequenced in the order suggested above, at least in the Special Requirements section. This has the advantage of the client being able to pick up the opinion and have the most important, action oriented requirements leap out at the outset.

It also helps better define what requirements are or are not being referred to as “REQ.” in the references in the Division of Interest table. “REQ.” by definition refers only to Special Requirements which gets around the problem of implicitly scuttling the other comments and requirements in the opinion. This is made clear by the definition in the “Record Reference and Other Abbreviations” section discussed above.

This system in not intended as a substitute for footnoting or otherwise linking comments and requirements to owners. Footnotes should be used when needed in the ownership tables to help clients connect owners to comments and requirements. But too liberal use of footnotes in ownership tables can make things harder to manage. For example, what if you think of a new comment or requirement late in the process of drafting the opinion and insert a new footnote? This can cause all the footnotes referring to other footnote numbers to have to be renumbered which is both tiresome and aggravating. Inserting requirement references into the Division of Interest table avoids this problem. It can also avoid use of multiple footnotes when the same owner is found in more than one tract.

If this suggested system is not to your liking, invent your own. A frequently used and more traditional approach is a section at the end of the opinion categorizing comments and requirements as either Drilling or Production Requirements, Advisory or Non-Advisory.

Sheryl L. Howe in an excellent article and presentation for the Rocky Mountain Mineral Law Foundation likewise on the subject of structuring and formatting oil and gas title opinions (“Putting the Substance of the Opinion on Paper”34) relayed the story of a client who wanted the examiner to list comments and requirements in order of dollar importance, based on damages that could be result from failing to cure the title defect. Howe points out that this, as a practical matter, would be nearly impossible for a title examiner to do given the limited technical data typically made available, but it reminds that clients look at title issues from a financial risk perspective.

Advisory Comments should be used sparingly, especially in the Special Requirements section of an opinion. Morgenthaler 35 is particularly critical of the use of Advisory Comments. He addresses them in his Rules No. 7, “Don’t Prove How Much You Know.” 36

32 I would qualify this general rule by saying that more latitude might be taken in the General Requirements Section in placing Advisory Comments ahead of Non-Advisory Requirements. This can make the General Requirements Section flow better and can be more in accordance with traditional sequencing. For example, stating that the opinion is based on the run sheet is a traditional lead off in a General Requirements section but is an Advisory Comment. In any event most clients will only skim the General Requirements and the Formal Requirements sections of Opinions. Where they need help is in dealing with Special Requirements.

33 Ibid.

34 Howe, supra note 30.
35 Supra note 3.
36 “Don’t prove how much you know. Many attorneys routinely inform their clients that the patent to the subject lands was issued at a time when the United States [or Texas] did not reserve oil and gas in its conveyances. So what? That bit of information may have helped the attorney conclude that the patentee received full mineral title, but all the client wants to know is who owns the minerals, not a history of public land law. Similarly, some attorneys produce requirements that ramble on about some title problem, then recite a statute that cures the whole difficulty, and for a requirement state: None; advisory only.” Foolishness! If the requirement is advisory, it is either a comment or garbage. Move it to the comments section if it is useful; if only it only shows off how smart you are, junk it.” supra note 3, at 84. For every rule there can be exceptions, however. Recall the “first rule in writing” previously referred to—“know your audience.” See Ho, supra note 9. Clients from outside of Texas are often unfamiliar with the Texas Relinquishment Act, so giving more background and a little history can be helpful. See the Form Opinion which includes a brief discussion of Mineral Classification in the “Patent, Mineral
and No. 9—

“Don’t be Chicken.”37 I once had a client issue title opinion preparation guidelines that banned the use of Advisory Comments. That is perhaps a bit extreme but the point is well taken.38

Each comment should have a heading, preferably less than one line. This allows a reader to more quickly appreciate the purpose and the significance of the comment and accompanying requirement. The heading should normally identify the issue, such as a missing probate, ambiguous deed, and so forth, and should identify the tract and or the lease and the owner affected. Not all examiners do this—it unquestionably requires extra effort. But there is an analogy to the headings which are required by court rules for appellate briefs. Courts require them because it can make the job of reading the brief easier and go more quickly. The same thing can be said about headings in title opinion comments and requirements—they make the job of the landman and the division order analyst easier.

Examiners often err by mixing comments and requirements. They do this most often by making the requirement, “as stated above” or “as above,” which refers back to the comment. This is not concise because it refers to the entire comment instead of precisely identifying the solution to the problem.39 But for every rule there are exceptions. I will occasionally use “as above” as a requirement if the accompanying comment is short and direct in order to avoid redundancy. But this can be a bad habit to get into. As new examiners starting out, I would advise that you avoid relying on “as above” as a statement of a requirement.

Classification and Chain of Title” section leading into Comments and Requirements.

(excerpt) “Don’t Be Chicken. The signs of title examiner yellow streak usually show up under comments, or as advisory requirements (remember, there is no such thing as an advisory requirement—that critter is a comment). Chicken comments arise when the examiner has made a discretionary call on a title problem and is just a little uncomfortable with the call….The examiner is performing an inadequate service by drawing conclusions that he is not sure are warranted, and then covering himself by reciting his unwarranted conclusions for all to see. He should be opening a couple of law books and settle the issues. If they cannot be adequately settled, they should become the subject of a requirement, not a comment,’” supra note 3, at 85.

This is another reason I like to have a General Requirements section. Many Advisory Comments can be included in that section, especially ones that are borderline Formal Requirements. In any event I agree with Morgenthaler in concept—what I call ‘Special’ Advisory Comments should be used as sparingly as possible.

Howe, supra note 30.

V. FORM TITLE OPINION

The Form Opinion is designed for use in a unit situation but could be adapted to a multi-tract or single tract situation by omitting the working interest summary at the beginning of the opinion. If the Division of Interest is relatively short, it could be incorporated into the opinion as it is in the Long Form example above rather than being set forth in an exhibit.

Little discussion of the Form Opinion is needed because in a sense this paper so far has been talking about little else. It should be no surprise that the “Long Form” ownership table is used. Requirements are organized as described in the preceding section. Lease and assignment summaries are in separate exhibits. There is a Table of Contents near the front of the opinion.

The Form Opinion is a Drilling and Division Order Opinion. If it was strictly a Drilling Title Opinion, the Division of Interest tables could be omitted.

Incidentally, not all examiners will refer to “Division of Interest.” They may say, “Net Revenue Interests,” or simply “NRI.” A Division of Interest table, after all, is a table of consolidated Net Revenue Interests.

I prefer to use the term “Division of Interest.” This may be semantics, but semantics are important to lawyers and often their clients. Division of Interest connotes Division Order, and the purpose of a Division Order is to divide money. Dividing money is something that clients care about a great deal. Their title examiners can show their respect for the importance of this task by labeling the table as the “Division of Interest.” Division order analysts will immediately recognize what is being referred to and generally appreciate (if not insist on) the consolidation of this type data in one place in an opinion.

Now let’s return to the question raised earlier in the “Short Form or Long Form?” section of Part III. When dealing with a simple, basic title what is wrong with one of the simpler title opinion formats such as the Short Form or Appendix D? Why is consistency so important?

I believe consistency in title opinion format is important for several reasons. The first reason is law firm branding. Irrespective of whether you agree with the recommendations in this paper, unless you are a solo practitioner, you will always be faced with the issue of consistency between the title opinion format that you use and those used by your other colleagues in the same law firm, particularly when a common client is being served. There can be no justification for such differences other than inertia, indifference, and simply
not taking the time to reconcile. Clients will notice and will have a less favorable impression of your firm.

Second, consider the opportunity that having a single, firm-wide consistent title opinion template presents. Most lawyers hate having to bother with things as mundane as formatting and structure of documents. Regardless of what you think a “form” title opinion template should look like, find one and stick with it. Then train your paralegals and assistants to become passionate about form, structure, and above all, consistency. Then you can focus less on format, structure and consistency and more on legal analysis and conclusions, which at the end of the day is what you are being paid for by the client.

The Long Form example may have more detail and be more cumbersome in situations involving a very brief title, but it is nevertheless part of the same wardrobe, so to speak, as the Form Opinion (Appendix E). When all these factors are considered—branding, consistency, and leveraging off paralegals and assistants, the longer length of the Long Form example can be rationalized, even when the underlying title is very simple.

The length and scope of a formal “Limitations” section is another feature of title opinions for which there are considerable differences between examiners. Note the differing versions in the sample opinions in the Appendixes. The Form Opinion has the longest version. Some examiners might think this is overkill. Morgenthaler has a rule that addresses this, Rule No. 13, “Don’t Try to Limit Your Liability.” Morgenthaler, however, was talking more about ethical issues that arise when a lawyer seeks to totally evade liability for a title opinion similar to an abstract company. Morgenthaler’s own form opinion examples contain what he calls “Exceptions,” which are the same as Limitations, although admittedly he is more concise than many other examiners might be (including myself) consistent with his overall philosophy.

My own view is that clients rarely read the Limitations section in title opinions, anyway. But if you are going to have a Limitations section, you might as well make it comprehensive. The larger the law firm the more sensitive firm management may be about malpractice exposure when it comes to title opinions. Prudence may suggest use of as expansive a Limitations section as possible consistent with industry practice (but that would be difficult to define given the disparity among examiners). Going too far with Limitations can annoy clients. So tailor the Limitations section accordingly, but whatever version you decide upon, use it consistently throughout your firm.

The Limitations section of the Form Opinion is set up for Texas but can be customized for other states. Subject to that caveat, I cannot think of a reason why the Form Opinion could not be adapted for use in any basin or state in the United States.

Last word on formatting and structure in title opinions. Formatting and structure are closely linked with writing style. Sloppy formatting can distract from and obscure legal analysis. Once your format is established, stick with it and avoid carelessness and inconsistencies.

A formatting error in a title opinion can be thought of as a rotten apple. Open a barrel and find a rotten apple and what do you think? You think the whole barrel is likely rotten. As much attention needs to be paid to proofing and avoiding formatting errors as any other type error in a title opinion.

VI. TITLE OPINION WRITING STYLE

1. Legal Writing Style in General

The number one problem clients have with title lawyers is that their opinions are late. I mention that because writing style, as important as it is, too often is thrown out the window in order to “get that opinion out.”

That is unfortunate. A lawyer may not have control over how many facts he or she must deal with in a particular title chain. But the lawyer has total control over writing style.

Writing style is important in a title opinion for several reasons. First, writing style is linked to depth of analysis and clarity of thought.

Second, though most lawyers restrict use of their title opinions to their clients, clients often circulate opinions to third parties. Title opinions tend to be referred to for many years, even decades, after they are written. Though it may be an exaggeration to say that oil and gas lawyers are writing for the ages, as in any other legal endeavor, it is important to put one’s best foot forward. A poorly written title opinion, irrespective of accuracy, can do irreparable damage to a lawyer and his or her firm’s reputation.

Legal writing rules and best practices in general should not be abandoned when writing title opinions. As I so often say to colleagues I work with, if we cannot train ourselves to write well written, thoughtful, and concise comments and requirements in title opinions with minimal proofing and formatting errors, how will we, later in our careers, be able to effectively write multi-billion dollar transactional documents or

40 Supra note 3.
41 See discussion infra Part VI, at note 51, including the reference to Rule 1.02 (b) of the Texas Rules of Professional Responsibility.
appellate briefs for argument before the United States Supreme Court?

Matthew Butterick, in his book, Typography for Lawyers, 42 makes the point that the legal profession is responsible for the biggest, most important publishing industry in the United States. 43 At the end of the day, what lawyers are selling are words. Oral arguments and courtroom drama are part of the mix, but for most transactional lawyers, including oil and gas title attorneys, written words are our bread and butter. Good writing, says Butterick, is part of good lawyering. 44

What are the elements of good legal writing? Unlike some of the other topics discussed in this paper, there is relatively broad consensus on what good legal writing is and is not. At the end of this paper there is a bibliography of sources for lawyers which talk about the style and mechanics of good legal writing. The books by Bryan Garner are among my personal favorites.

An experienced practitioner sums up best practices in writing title opinions in three words: “short, readable, and focused.” 45 The old adage, “Omit needless words...,” is as true as ever. I have not yet in my career ever had a client tell me, “Gosh, that title opinion you wrote was too short.”

This may sound inconsistent with the earlier part of this paper when I was discussing title opinion ownership tables. I will not rehash but to say that that the task of writing oil and gas title opinion comments and requirements is a fundamentally different exercise than putting together ownership tables. Putting the ownership tables of a title onion together may be likened to an accounting exercise; brevity and conciseness is less important than transparency and disclosure.

Writing comments and requirements, on the other hand, is more akin to legal writing in general. This is where all the admonitions about keeping things short, simple and concise are unquestionably applicable. Face it—the subject matter of most title opinion comments and requirements is dry, technical, and above all, tedious. So start strong and, if possible, end quick. If the subject matter is too convoluted for quick treatment, then consider breaking it into sub-comment/requirements, just as you might break an appellate brief down into smaller parts.

Writing title opinion comments and requirements is a challenging and underrated area of law practice and though it has much in common with mainstream legal writing, there are differences. Perhaps the biggest one is that title examiners are saddled with a very narrow margin of error. They must be concise and thorough at the same time.

2. Morgenthaler’s Thirteen Rules 47

I have been referring to Morgenthaler’s book on oil and gas title examination throughout this paper. His book is actually a slight revision of an earlier version that came out in 1982. 48 Morgenthaler’s book should be a part of every title examiner’s library. My personal favorite chapter and the one most relevant to writing comments and requirements is the sixth chapter, where Morgenthaler sets out and discusses thirteen rules that are as relevant now as ever to title examination techniques in general and more specifically, to writing title opinion comments and requirements: 49

“Attitudes and Techniques “

1) Take your time....
2) Be Picky....
3) Be Skeptical....
4) Be Thorough....
5) Be Precise....
6) Don’t Give a History Lesson ....
7) Don’t Prove How Much You Know ....
8) Rely on Previous Title Opinions ....
9) Don’t be Chicken ....
10) Rely on Curative Statutes ....
11) Try to Avoid Requirements ....
12) Give Alternatives ....
13) Don’t Try to Limit Your Liability ....” 51

42 MATTHEW BUTTERICK, TYPOGRAPHY FOR LAWYERS, ESSENTIAL TOOLS FOR POLISHED AND PROFESSIONAL DOCUMENTS (Jones McClure Publishing 2013).
43 Id. at 13.
44 Id. at 14.
45 I credit this thought to George Snell, the program director for this course.
46 WILLIAM STRUNK, JR. AND E.B. WHITE, THE ELEMENTS OF STYLE 23 (4th ed. 1999) (1935) (“Omit needless words. Vigorous writing is concise. A sentence should contain no unnecessary words, a paragraph no unnecessary sentences, for the same reason that a drawing should have no unnecessary lines and a machine no unnecessary parts. This requires not that the writer make all sentences short, or avoid all detail and treat subjects only in outline, but that every word tell.”)
48 Id.
49 Id. The text accompanying the thirteen rules is omitted for purposes of space but some of the text in a few of the rules is noted earlier in this paper. Buy the book. It is available at ogtitle.com. And no, I am not getting a commission on its sale.
50 A good source of reference for this in Texas and for elsewhere is Basye’s, Clearing Land Titles (Nancy St. Paul, ed., 3d ed. 2014).
The first five rules pertain to title examination technique. The last eight pertain to writing style. Morgenthaler notes that the mindset needed when examining a title is different from the mindset needed when writing a title opinion. As he puts it, “When you are examining title, be picky; when you are preparing your opinion, try to find a way out.”

Finding a way out means being as practical and reasonable as possible.

Or as suggested earlier, be “short, readable and focused.” None of this is easy to teach. It is not a coincidence that experienced attorneys tend to write fewer and shorter title opinion comments and requirements than attorneys starting out.

This gets back to the first rule of writing—know your audience. Getting to know someone takes time. Over time your interactions with landmen, division order analysts and other oil industry clients will lead you to better understanding of their business issues and will cause you to become more practical and reasonable in your comments and requirements. In the interim, find a mentor—or find a place to work where you can benefit from peer review of your comments and requirements. Read Morgenthaler’s book. Attending a course like this one is a good place to start.

3. Other Common Flaws and Some Pet Peeves in Title Opinions

What are other some other common flaws and pet peeves in title opinions that I see or hear about from clients or otherwise? Here are a few of the most common:

1. Failure to provide sufficient references to documents. Do not say “John Doe conveyed Blackacre to Aunt Sally in 1958.” What kind of instrument—General Warranty or Quitclaim? What day in 1958? What is the recording reference (book and page)? Do not orphan an instrument from its date, its recording references or the names of the grantor(s) and grantee(s) or their equivalents. Someone may need to pull the instrument, including yourself, if you have to return the abstract to the client and afterwards someone attacks one of your conclusions.

2. Failure to bring a problem forward. Do not talk about an issue from 1948 and make a requirement in connection with it without referencing which current owners will be affected.

3. Failure to quote ambiguous deed language. Clients want to see exactly what language you are talking about so they can make their own independent assessments if they are inclined. This is particularly true in connection with NPRI deeds. Quote the specific language creating the NPRI as part of your analysis. This is an exception to the “Omit needless words” rule. You may think you are omitting needless words, but the client may not agree.

4. Failing to keep lease and or family information together. Title typically devolves through families and gets increasingly fragmented. Showing ownership using subtotals for family predecessors makes it easier to identify and manage families as a group, in part since they often lease as a group. If the mineral ownership reflects leases by family group, the NPRI burden, for example, can be shown more clearly.

5. Not referencing title requirements. This was mentioned earlier, but is repeated for emphasis because it is among the greatest pet peeves of division order analysts, and is an issue that lawyers ignore at their peril.

6. Typographical overkill. Do not ignore typography. Earlier I mentioned Matthew Butterick’s book, Typography for Lawyers. Most lawyers do not have a clue what typography is much less how poor typography can distract. For example, Butterick makes the point that underlining is a holdover from the typewriter era. Title lawyers, in particular, tend to overdo underlining. They also tend to overuse the bold

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51 This should not be taken as a condemnation of the Limitations Section of title opinions. Morgenthaler is speaking about attempts to disclaim liability by the Examiner. Here is what he said: “Don’t Try to Limit Your Liability. This admonition should be unnecessary since virtually every code of ethics prevents an attorney from attempting to limit his liability, but the fact is that some attorneys are in the habit of stating in title opinions that their liability is limited to the cost of preparation. This is okay for abstractors in some jurisdictions, but not acceptable for attorneys. Get yourself a good malpractice policy and do the best you can.” Id. at 87. In Texas the pertinent Rule of Professional Responsibility is Rule 1.02 (b): “A lawyer may limit the scope, objectives and general methods of the representation if the client consents after consultation.” This is another reason why I favor the more exhaustive version of formal limitations as well as the Scope of Opinion section set out in the Form Opinion. Though I am unaware of any disciplinary opinions or even cases involving a violation of TPRC 1.02 (b) in a title opinion context I would rather err on the side of caution in spite of the complaint I have heard from at least one of my clients, which is that “you lawyers include so many limitations in your opinions that we question whether we are really getting anything.”

52 MORGENTHALER at 86.

53 Attributed to George Snell, the program director for this course.

54 See supra note 9.

55 See STRUNK & WHITE supra note 46.

56 See BUTTERICK supra note 42.
case and the use of italics, and they inconsistently use fonts. If you do not have time to read Butterick’s book, at least get on his website 57 and consider some of his suggestions.

7. Failing to Disclose Net Acres on the Cover Page. Put the total acres in the subject lands being dealt with by the opinion on the first page. Clients get vexed when they must dig through the opinion to find how many acres are covered. If you don’t have the survey back, guess and cover yourself with a comment/requirement about it.

8. “Snakey” columns. What do I mean by “snakey” columns? Those are columns in the ownership tables in title opinions than meander back and forth like a snake wriggling through a garden. The ownership table should look like an accounting ledger, “snakey” columns? Those are columns in the
improves the overall appearance of the document. 58 Related to “snakey” columns is alignment within columns. Note that both the Long Form example and the Form Opinion ownership tables all have columns with the text aligned to the far right—except for the first and last columns. This is to allow maximum space for names of owners and for fractions. Exhibit D to the Form Opinion has a far left orientation, except for the first column. Whatever alignment may be picked—far left or far right—is less important than being consistent.

9. Assumption that Client has a Color Copier. I am repeating for emphasis another client pet peeve from earlier in the paper, which is the use of plats where the subject acreage was apparently colored in yellow with no further markings. A black and white copying machine, of course, will not pick up color. Better to use a heavy outline or an arrow to indicate the lands being examined in relation to other tracts.

10. Sloppy citations. Legal citation rules have been called the “Tyranny of the Inconsequential”59. I would not advise making that argument to an appellate judge. We all went to law school and at one point in our careers were exposed to the rules of legal citation. If you need a refresher, get one.

References to citations in title opinions should be rare. Recall Morgenthaler’s Rule No. 7—“Don’t Prove How Much You Know.”60 But if you cite a source, use the proper form. Using proper citations is the mark of a legal professional and shows pride in your work.

VII. CONCLUSION

“Chaos is the rule of nature; order is the dream of men.” —Anonymous.

I started this paper talking about order and disorder and will end on the same subject. Lawyers love to argue, and they will no doubt keep arguing over the perfect title opinion format. In final analysis picking the perfect title opinion format may be likened to a committee picking the perfect necktie. Chaos will likely continue to rule. As said at the outset, if this paper was successful in provoking oil and gas lawyers and their clients to think more about oil and gas title opinion structure, format and style, then its purpose will have been achieved.

A final observation for beginning title examiners: do not hold your breath waiting for accolades in this business. Earlier I said I never had a client tell me that one of my title opinions was too short. I have also never had a client tell me that I did not charge enough for an opinion, or that my opinion was a joy to read.

Title examination is something of a thankless task. It is not the only area of legal practice that can suffer from lack of respect or gratitude. The late Harvard Law School Professor W. Barton Leach, once described the task of lawyers who made their livelihoods drafting wills as follows:

The competent drafting of wills is a difficult business which offers only austere rewards. The monetary compensation in this type practice is usually not adequate to the training and effort required. Often enough of the virtues or vices of a will do not appear until the draftsman has long been under the sod. No beneficiary of a well-drawn will is likely to strew orchids upon his grave, whereas defeated claimants under ill-drawn wills are sure to heap imprecations upon his memory. But the counsellor who leaves behind him a will book which succeeds in placing property where his clients wished it without those uncertainties as to validity and ambiguities as to meaning which breed litigation, can sleep the eternal sleep in the comforting knowledge

58 In full disclosure, this is a personal pet peeve. The other nine, however, were either specifically relayed to me by clients when soliciting feedback for this paper or as in the cases of nos. 6 and 10, are commonly cited by legal writers.
60 Supra note 36.
that he has upheld the finest traditions of his craft. 61

In addition to being a masterly example of good legal writing (refer to Part VI), take out the word “will” from the above and put “title opinions” in its place and what is left is an almost perfect description of the job of an oil and gas title examiner. Perhaps the main difference is that title examiners usually do not have to wait until they are under the sod before irate clients and landowners are heaping imprecations upon them.

Paying more attention to title opinion structure and format can help an oil and gas title examiner avoid those heaping imprecations. Format and structure can too often be distractions from the real task of oil and gas title examination, which in essence is synthesizing and sorting large amounts of data into a well-organized, accurate, and timely delivered title opinion document. Making formatting and structure decisions early on leads to greater focus on accuracy, depth of analysis, and speed.

So strive for thoughtful and consistent format and structure in your opinions, whatever that may look like. Put your best foot forward when it comes to writing style. Approach each comment and requirement in your opinion as if a million dollars or more may be riding on it. It may very well be.

Then someday, irrespective of accolades from clients or worldly reward, perhaps you also will “sleep the eternal sleep in the comforting knowledge that [you have] upheld the finest traditions of [your] craft.” 62 May that someday be a long time coming.

***********

61 W. Barton Leach, Perpetuities in a Nutshell, 51 Harv. L. Rev. 4, 671 (1938).

62 Ibid.
APPENDIX A

Sample Form Drilling Title Opinion

Addressee Oil Corporation

___________________
___________________

[Date]

Attn: Regional Attorney

DRILLING OPINION

In Re: John Doe et ux., et al., covering all of Section 66, Block __, Abstract No. ___, and Certificate No. _____, __ & __ RR Co. Survey, ______ County, Texas, containing 640 acres of land, more or less.

Dear Sir or Madam:

At your request, we have examined the title to the land described in the caption hereof as the same is reflected by the following:

ABSTRACTS EXAMINED

1) Base Abstract No. ______ prepared by Throwback-Guaranty Abstract Company, containing 546 pages, and which is certified as covering the captioned land from the Sovereign down to May 2, 1956, at 2:00 P. M.

2) Supplemental Abstract No. ______ prepared by Throwback-Guaranty Abstract Company, containing 324 pages, and which is certified from May 2, 1956, at 2:00 P. M. down to [recent date] at 7:00 A. M.

INSTRUMENTS EXAMINED

1) Original, executed, unrecorded Oil, Gas and Mineral Lease hereinafter tabulated.

2) Original, executed, unrecorded Assignment hereinafter tabulated.

3) Tenant's Consent Agreement executed by John Brown on ________.

4) Heirship affidavit by John Doe dated ____________.

Based on the foregoing and subject to the objections and requirements hereinafter made, I find the title vested as of [closing date of abstract coverage] at 7:00 A.M. as follows:

FEE SIMPLE TITLE

1. Surface

John Doe and wife, Mary Doe, as their community property

All
2. Minerals (Leasing Rights, Bonus and Delay Rentals)

John Doe and wife, Mary Doe, as their community property 5/10

Henry Smith, a single man 1/10

Susie Allen, wife of Bert Allen, as her separate property 4/10

3. Royalty

John Doe and wife, Mary Doe, as their community property 5/10 x .1875 RI

Henry Smith, a single man 1/10 x .1875 RI

Susie Allen, wife of Bert Allen, as her separate Property 4/10 x .1875 RI

4. Delay Rental Instructions (if applicable)

5. Leasehold

Addressee Oil Corporation 13/16 WI

PATENT

Section 66 was patented for 640 acres on _______, by the State of Texas to ______ by Patent No. __. Volume ___ General Land Office State Records, and said Patent is recorded in Volume __, Page __, Deed Records of _____ County, Texas.

LIENS

The Ag Lender Dujour, is the holder of a Deed of Trust dated __________, recorded in Volume __, Page 631, Deed of Trust Records of ______ County, Texas, executed by John Doe and wife, Mary Doe, covering all of their interest in the captioned land, and given to secure a Note of the same date in the amount of $100,000.00 payable on an amortization plan, which is note disclosed in the instrument.

TAXES

All State, County and ______ Independent School District taxes are paid for ____ and all prior years.

BASIC LEASE

Form: Producers 88 Rev. -Tex. A (6-92)
Dated: August 1, 1995
Recorded: unrecorded
Lessors: John Doe and wife, Mary Doe; Henry Smith; Susie Allen and husband, Bert Allen;
Lessee: Sam Smith
Lands Covered: captioned
Primary Term: three (3) years
Royalty: 3/16
Shut-in Gas Royalty: $640 per annum
Delay Rentals: N/A; paid up lease

29
Pooling Provisions: yes; see paragraph 7 of lease
Special Provisions: yes; See addendum with detailed surface protection and retained acreage provisions that contemplate partial termination as to acreage and depths upon cessation of “continuous drilling.” I will not reproduce these provisions here but you should take note of them and take care to acknowledge them in your plans for lease maintenance and development.

Warranty: deleted

**ASSIGNMENT OF BASIC LEASE**

Dated: August 10, 1995
Recorded: Unrecorded
Assignor: Sam Smith
Assignee: Addressee Oil Corporation
Lands Assigned: Captioned
Special Provisions and Reservations: none
Warranty: special

**OBLJECTIONS AND REQUIREMENTS**

**OBJECTION NO. 1**

**REQUIREMENT NO. 1 UNDER OBJECTION NO. 1:**

**OBJECTION NO. 2**

**REQUIREMENT NO. 1 UNDER OBJECTION NO. 2:**

**NECESSITY FOR LEASE RATIFICATION**

**RIGHTS-OF-WAY**

Texas Electric Service Company is the holder of an easement for electrical transmission and distribution lines covering a strip of land 25 feet in width across Section 66, said easement being dated October 15, 1962, and recorded in Volume ___, Page _____, Deed Records of ______ County, Texas.

**COMMENTS**

The abstracts examined are certified down to _____, at 7:00 A.M. and after first checking the records since such date for adverse filings, your Lease and the Assignment should then be promptly filed for record in ________ County, Texas.

This opinion does not cover:
(1) Claims of persons in possession, and under unrecorded instruments.
(2) Conflicts of lines and surveys, except as may be reflected by the abstracts examined.
(3) Incapacities of grantors.
(4) Forgery of instruments.
(5) Homestead rights.
(6) Acknowledgments of married women never actually taken, although proper certificate of acknowledgment appears of record.

The material submitted is returned herewith.
APPENDIX B

Sample Form Division Order Title Opinion

Law Offices of
STANLEY J. TITLE
1200 Dallas Parkway Tower
Dallas, Texas 75248

January 30, 1993

Aggressive Exploration, Inc.           Best Price Refinery
16200 Dallas North Parkway           2001 Gusher Avenue
Dallas, Texas 75248            Houston, Texas 77007

Re: Bubba No. 1 Well- This opinion covers an 80 acre tract of land in the Stephen F. Austin survey, Lee County, Texas (the "captioned land") which is the spacing unit established for the Bubba No. 1 Well and is more fully described in the field notes attached hereto as Exhibit A

Dear Sir or Madam:

In order to determine for division order purposes the ownership of the oil and gas produced from the captioned well, which is located on the captioned land, I have examined the following:

MATERIAL EXAMINED

(List abstracts, run sheets, and/or instruments examined which form the basis of the opinions expressed. Note: the Original Drilling Opinion will usually be included and title will be brought forward from the closing date of that opinion or of the latest supplement.)

DIVISION OF INTEREST

Based upon my examination of the foregoing material, subject to the comments, requirements, and limitations hereinafter stated, I am of the opinion that as of January 21, 1993, at 8:00 a.m., which is subsequent to the date of the first sale of production, the oil and gas produced from the captioned well, located on the captioned land is owned by the parties and in the proportions set forth in Exhibit A hereto.

VALIDITY AND MAINTENANCE OF THE CAPTIONED LEASE

(Include opinion as to the validity of the captioned lease—"duly maintained by proper payment of delay rentals and now perpetuated by production from the captioned well.")

WORKING INTEREST ASSIGNMENTS

(Include description of assignments or interests in the subject well.)

TAXES

(Describe the status of the payment of ad valorem taxes.)
EASEMENTS AND RIGHTS-OF-WAY

(Identify any easements or rights-of-way that might impact the proposed operations on the property.)

STATUS OF THE COMMENTS AND REQUIREMENTS
IN THE ORIGINAL DRILLING OPINION

(In a series of numbered paragraphs, the title attorney should describe any title defects or irregularities in the title of any of the interest-owners listed in Exhibit A. This section should also include the attorney's suggestions as to the steps necessary to cure such defects or irregularities. Note: Payments due any interest-owner whose title is defective should be held in suspense pending the curing or waiver of such defect.)

LIMITATIONS

(List matters not covered by title opinion such as the rights of parties in possession, the genuineness of any recorded instrument, etc.)

Respectfully submitted,

Stanley J. Title

[Exhibits normally begin on a separate page but not for this sample opinion]
EXHIBIT A

Division of Interest

Bubba No. 1 Well

<table>
<thead>
<tr>
<th>Owner</th>
<th>Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Royalties</strong></td>
<td></td>
</tr>
<tr>
<td>Bubba Blake</td>
<td>3/4 of 1/6 or</td>
</tr>
<tr>
<td>Virginia Jones</td>
<td>1/2 of 1/4 of 1/6 or</td>
</tr>
<tr>
<td>James D. Young</td>
<td>1/2 of 1/4 of 1/6 or</td>
</tr>
<tr>
<td><strong>Total RI</strong></td>
<td>.1666666</td>
</tr>
</tbody>
</table>

| **Overriding Royalties** | |
| Jim Geologist          | 1.5 % of 8/8 or |
| Larry Landman          | 1.0% of 8/8 or |
| Aggressive             |                |
| **Total ORI**          | .0333334        |
| **Total ORI or RI**    | .2000000        |

| **Working Interest**   | |
| Investor A             | 15% of 80% or  |
| Investor B             | 15% of 80% or  |
| Investor C             | 10% of 80% or  |
| Aggressive             | 60% of 80% or  |
| **Total WI**           | .8000000        |
APPENDIX C

Standard Form Texas Title Opinion

[Your Firm Heading Here]

October 25, 2000

Gusher Corporation (RRC # 635200) Two Watergate Place, Suite 1500 19 East Wall Street Gotebo, OK 741095

ATTN: George W. Bush

Re: Division Order Title Opinion - Hankinson #3

S/2 of Section 343, Block A-2, H&GN Ry. Co. Survey, A-107, Winkler County, Texas, containing 323.71 acres, more or less

Hankins #3

API #: 42-211-6789
Well location: 467' FSL & 1,200' FEL
Type of Well: Gas
Producing Formation: Lower Morrow
Field Designation: Muldrow,S.(Morrow Lower)
Total Depth Drilled: 12,100'

Dear Dubya:

At your request, I have examined the following:

1. Drilling Opinion dated October 9, 1974 prepared, by Leon Jaworski for Nixon Resources, Inc. evidencing the examination of prior Title Opinions dated 10/26/70 and 10/27/70 and abstracts which together covered the S/2 of Section 343 from sovereignty to April 15, 1974, at 5:00 p.m.

2. The records of the Winkler County Clerk, as reflected by a Run Sheet prepared by Landpro, Inc., covering the S/2 of Section 343 from April 15, 1974, at 5:00 p.m. to October 16, 2000, at 5:00 p.m.

**********************

From such examination, and subject to the comments and requirements hereinafter set out, I find merchantable title to the subject land to be vested as follows:
## FEE SIMPLE TITLE

1. **Surface**
   
   **SW/4**
   - JUDITH MARIE BRIGHTON 1/3  53.94
   - KAREN SUE MILLER 1/3  53.94
   - JEANNE BETH BOULDER 1/3  53.95
   
   Total 3/3  161.83
   
   **SE/4**
   - CECILIA MAXINE CARRUTH, A WIDOW
     
     Total 323.61

2. **Minerals**

   **SW/4**
   - JUDITH MARIE BRIGHTON 1/6  26.97 1
   - KAREN SUE MILLER 1/6  26.97 1
   - JEANNE BETH BOULDER 1/6  26.97 1
   
   Sub-Total 3/6*  80.91
   - DIANE K. RUBY, A WIDOW 1/8  20.23 3
   - YASSAR ARAFAT 3/8  60.69 4
   
   Total 8/8  161.83
   
   **SE/4**
   - BONANZA TRUST UTA 2/6/97, Cecelia M. Carruth, Trustee 1/2  80.94 2
   - DIANE K. RUBY, A WIDOW 1/8  20.23 3
   - YASSAR ARAFAT 3/8  60.71 4
   
   Total 8/8  161.88

* Subject to and less a NPRI of 1/16 of 8/8 of the royalty owned by Bill Clinton.
### 3. Oil and Gas Leasehold

**From the surface to the base of the Lower Morrow**

<table>
<thead>
<tr>
<th>Company</th>
<th>LI</th>
<th>WI</th>
<th>Lsc. #</th>
<th>Assn. #</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEXAS ROYALTIES, INC.</td>
<td>15%</td>
<td>7.50%</td>
<td>1&amp;2</td>
<td>3-6</td>
</tr>
<tr>
<td>MESA ENERGY, INC.</td>
<td>20%</td>
<td>10.0%</td>
<td>1&amp;2</td>
<td>3,14,16</td>
</tr>
<tr>
<td>GUSHER CORPORATION</td>
<td>65%</td>
<td>32.50%</td>
<td>1&amp;2</td>
<td>11,12, 14-16, 17,20</td>
</tr>
</tbody>
</table>

**Sub-Total**

<table>
<thead>
<tr>
<th></th>
<th>100%</th>
<th>50.00%</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Company</th>
<th>LI</th>
<th>WI</th>
<th>Lsc. #</th>
<th>Assn. #</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIONEER RESOURCES OIL &amp; GAS CO.</td>
<td>100%</td>
<td>50.00%*</td>
<td>3&amp;4</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total (4)**

<table>
<thead>
<tr>
<th></th>
<th>100%</th>
<th>100%</th>
</tr>
</thead>
</table>

**Below the base of the Lower Morrow Formation**

<table>
<thead>
<tr>
<th>Company</th>
<th>LI</th>
<th>WI</th>
<th>Lsc. #</th>
<th>Assn. #</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEXAS ROYALTIES, INC.</td>
<td>30%</td>
<td>15%</td>
<td>1&amp;2</td>
<td>3-6</td>
</tr>
<tr>
<td>MESA ENERGY, INC.</td>
<td>40%</td>
<td>20%</td>
<td>1&amp;2</td>
<td>3, 14, 16</td>
</tr>
<tr>
<td>BAMA COMPANY</td>
<td>30%</td>
<td>15%</td>
<td>1&amp;2</td>
<td>20</td>
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</table>

**Sub-Total**

<table>
<thead>
<tr>
<th></th>
<th>100%</th>
<th>50%</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Company</th>
<th>LI</th>
<th>WI</th>
<th>Lsc. #</th>
<th>Assn. #</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIONEER RESOURCES OIL &amp; GAS CO.</td>
<td>100%</td>
<td>50%*</td>
<td>3&amp;4</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total**

<table>
<thead>
<tr>
<th></th>
<th>100%</th>
<th>100%</th>
</tr>
</thead>
</table>

* Subject to and less the following ORRI:

<table>
<thead>
<tr>
<th>ORRI</th>
<th>TF</th>
<th>Lse. #</th>
<th>Assn. #</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOODY ENERGY CO.</td>
<td>1/32 of 8/8</td>
<td>1/8</td>
<td>3</td>
</tr>
<tr>
<td>ORRI LIMITED</td>
<td>3/4 of 1/8 of 8/8</td>
<td>1/2</td>
<td>3&amp;4</td>
</tr>
<tr>
<td>BENDER ROYALTY CO.</td>
<td>1/4 of 1/8 of 8/8</td>
<td>1/2</td>
<td>3&amp;4</td>
</tr>
<tr>
<td></td>
<td>4/4 of 1/8 of 8/8*</td>
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<td></td>
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</table>

**Total**

<table>
<thead>
<tr>
<th></th>
<th>1/8 of 8/8</th>
</tr>
</thead>
</table>

**This ORRI absorbs all burdens in excess of a 1/8 royalty.**

*[Other entries deleted for purposes of sample opinion]*
Leases 1 and 2 are on one form and Leases 3 and 4 are on another form. I will tabulate Leases 1 and 3 in detail and point out only the variance in detail as to Leases 2 and 4.

**Lease 1**

- **Form:** Veterans Land Board Lease Form
- **Date:** September 17, 1970
- **Recorded:** 104-50
- **Lessor:** Earl E. Hankinson and wife, Mary E. Hankinson
- **Lessee:** Northern Natural Gas Company
- **Description:** SW/4 of Section 343, containing 161.83 agreed acres
- **Min. Int. Covered:** 1/2
- **Primary Term:** 5 years
- **Royalty:** 1/8 on oil and gas (It says 1/16 Lessor and 1/16 to the Veterans Land Board.)
- **Shut-In Gas Royalty:** In an amount double the annual rental, but in no event less than $300.00, payable on or before 60 days from the date the well is shut-in.
- **Delay Rental:** $80.92 to the Veterans Land Board and $80.92 to the Lessor
- **Depository:** Boulder Bank and Trust Company at Tulsa, Oklahoma
- **Lesser Interest:** Yes
- **Entirety:** No
- **Savings Clause:** 60 days
- **Pooling:** Added by additional paragraph 24 to allow pooling for up to 40 acres for oil and up to 640 acres for gas.
**Assignment 1B**

Date: December 18, 19701  
Recorded: 108-5  
Assignor: Yassar Arafat  
Company Assignee: Gasandarko, Ltd.  
Description: Lease 3  
Reservation: An ORRI of 1/32 of 8/8 (ORRI #1)  
Prop. Reduced: Yes

[Other entries deleted for purposes of sample opinion]

[Exhibits normally begin on a separate page but not for this sample opinion]

**EXHIBIT B**

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<thead>
<tr>
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<th>MI</th>
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<th>NRI</th>
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</thead>
<tbody>
<tr>
<td>JUDITH MARIE BRIGHTON</td>
<td>1/6</td>
<td>15/16 of 1/8</td>
<td>161.83/323.71</td>
<td>.00976412</td>
</tr>
<tr>
<td>KAREN SUE MILLER</td>
<td>1/6</td>
<td>15/16 of 1/8</td>
<td>161.83/323.71</td>
<td>.00976412</td>
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<tr>
<td>JEANNE BETH BOULDER</td>
<td>1/6</td>
<td>15/16 of 1/8</td>
<td>161.83/323.71</td>
<td>.00976412</td>
</tr>
<tr>
<td><strong>3/6</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>BILL CLINTON</td>
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<td>1/16 OF 1/8</td>
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<td>.05859375</td>
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<td><strong>Total</strong></td>
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<td></td>
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<td><strong>.13671875</strong></td>
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</table>

Oil and Gas Title Opinions: Structuring and Format

Chapter 17

---

2725328.1
RI - CALCULATION

5/8 of 1/8 1/8 .07812500

3/8 of 5/32 .05859375

Total .13671875

S .12500000

.01171875 – excess

+.00390625 Boody ORRI

.01562500 – burden against ORRI Limited and Bender

2. Overriding Royalty  

<table>
<thead>
<tr>
<th>Company</th>
<th>ORRI</th>
<th>TF</th>
<th>NRI</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOODY ENERGY CO.</td>
<td>1/32 of 8/8</td>
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<tr>
<td>ORRI LIMITED</td>
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NRI - RECAPITULATION

| RI        | .13671875 |
| ORRI      | .05078125 |
| Sub-Total | .18750000 |
| WI        | .81250000 |
| Total     | 1.00000000 |

3. Working Interest  

<table>
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<th>Company</th>
<th>WI</th>
<th>GRI</th>
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</table>
APPENDIX D

Sample Form Title Opinion – Another Standard Texas Form

ORIGINAL TITLE OPINION

Client
Address
City, State, Zip

Attn: __________

Re: Tract _______ Unit

____ acres of land, more or less _____ Survey, Abstract No. _____

___________ County, Texas

Dear __________:

Pursuant to your request, we have examined title to the following described tract of land in ______ County, Texas (hereinafter referred to as the "Subject Land"):

______ acres of land, more or less, out of the _______ Survey, Abstract _______, ______ County, Texas, and being the same land described in General Warranty Deed dated ___, ____________, from _____________ to _________, recorded in Volume _____, Page _____ Official Public Records, ______ County, Texas.

A plat depicting the Subject Land is attached hereto as Exhibit "A" of this Opinion.

MATERIALS EXAMINED

Our examination was limited to the following title materials, collectively referred to herein as the "Materials Examined."

a) Runsheet with cover letter dated ________, ______, containing _____ pages, prepared by ____________, LLC, purporting to include all instruments affecting title to the Subject Land, filed in the offices of the County Clerk, the Abstract/Title Company and the District Clerk, _________ County, Texas, from sovereignty of the soil to ________, ______, at 5:00 p.m. (the "Runsheet"), together with copies of all of the instruments listed thereon.

b) Copies of various maps and plats of the Subject Land.

[Remaining entries omitted for purposes of sample opinion]

Recording references to volume and page numbers in this Opinion are to various indices of the Public Records of the County Clerk of ______ County, Texas, and unless otherwise indicated, to the Deed Records or Official Public Records of said county.

**************
OWNERSHIP

Subject to the COMMENTS AND REQUIREMENTS hereinafter contained, the Materials Examined reflect that title to the Subject Land, as of _____________, 2014, at 12:00 p.m., is vested as follows:

SURFACE

John Doe
(All) 1.00000000

MINERALS

(A) LEASING PRIVILEGE, BONUS AND DELAY RENTALS:

John Doe
(All) 1.00000000

(B) NONPARTICIPATING ROYALTY:

None

(C) ROYALTY:

John Doe
(1/5) 0.20000000 L1

(D) OVERRIDE ROYALTY:

******* Acquisitions, L.P. 0.00500000 L1/A1 (0.50%)

******* Minerals, L.P. 0.00500000 L1/A1 (0.50%)

******* L.P 0.01000000 L1/A2 (0.50%)

TOTAL ORRI: 0.02000000 L1/A3

(E) LEASEHOLD ESTATE:

WORKING INTEREST NET REVENUE INTEREST SOURCE

******* Resource, LLP 1.00000000 0.78000000 L1/A4 (4/5 less 2.00%)

TOTAL WI/NRI: 1.00000000 0.78000000

TOTAL RI +ORRI+NRI: 1.00000000
LEASE ANALYSIS
(hereinafter referred to as the "Subject Lease")

Lease No. 1 (L1)

Date: _______ , _______

Filed and Recorded: Memorandum filed _______ , _______; recorded in Volume _____, Page _____

Lessors: John Doe.

Lessee: ******, LLC

Lands Covered: ______, being all of the Subject Land.

Interest Covered: Full mineral interest in the Subject Land.

Cover All Clause: XXXXXXXXXXX

Primary Term: XXXXXXXXXXX

Royalty: XXXXXXXXXXX

Shut-in Royalty: XXXXXXXXXXX

Pooling: XXXXXXXXXXX

Delay Rental: None; Paid-up lease.

Depository: Pay directly to lessors' address set forth in the lease.

Force Majeure: Yes, Paragraph XX

Other Provisions: 4. XXXXXXXXXXX

8. Lease is freely assignable.

9. Notice and opportunity to cure provisions.

10. General warranty of title; proportionate reduction clause.

13. Pugh clause; also, a continuous development and retained

17. Option to extend primary term for two additional years

upon payment of XXXXXXXXXXXXX

19. Lessee shall have no access to the surface of the leased

premises without the written consent of Lessor.

Assignments: A1, A2, A3, and A4.

ASSIGNMENT ANALYSIS

Assignment No. 1 (A1)

Instrument: Assignment of Overriding Royalty Interest. __________, ______.
Date: ___________  __________

Recorded: ____________, ________, at Volume ____, Page _____, Official Public Records of ________ County, Texas

Assignor: ****, LLC.

Assignee: ****, L.P.

Interest Conveyed: Overriding royalty equal to ______ of 8/8 in the Subject Lease (among other leases), proportionately reduced in the event (a) the Subject Lease covers less than the full mineral estate in the lands covered thereby, or (b) Assignor owns less than the entire interest in the Subject Lease.

Interest Reserved: None.

Note: By instrument dated effective_________, and recorded in Volume ____, Page _____, Official Public Records, ________ County, Texas, Assignee granted Assignor (and its successors and assigns) the power to pool or unitize the overriding royalty into any pooled unit or unitized area, and contains an acknowledgment that the overriding royalty is subject to the terms of the Subject Lease.

ENCUMBRANCES

EASEMENTS AND RIGHTS-OF-WAY

The Materials Examined disclosed the following recorded easements and rights-of-way affecting the Subject Land:

1. Right-of-Way Easement dated ________, ______ (Volume ____, Page _____), wherein ___________ (by ______, attorney-in-fact) granted the City of __________, Texas a perpetual easement to construct and install and thereafter use, operate, inspect, repair, maintain, reconstruct or remove an electric distribution guy wire on the Subject Land.

2. Right-of-Way Easement dated ________, ____ (Volume ____, Page ______), wherein ________s granted the City of __________, Texas a perpetual easement to erect, construct and install and thereafter use, operate, inspect, repair, maintain, rephase, reconstruct or remove an electric transmission and/or distribution line on or across the Subject Land.

DEEDS OF TRUST AND OTHER LIENS

The Materials Examined disclosed the following Deed of Trust affecting the Subject Land.

1. Instrument: Deed of Trust, Line of Credit Deed of Trust, Fixture Filing, Assignment of As-Extracted Collateral, Security Agreement and Financing Statement

   Date: ____, 2014
   Recorded: Volume _____, Page _____
   Mortgagor: *****
   Trustee: *****
Mortgagee: ****
Interest Covered: Assignor’s leasehold interest in the Subject Lease, among other leases
Original Amount: $********
Maturity Date: Not stated.

PRIOR UNRELEASED OIL AND GAS LEASES

1. Date: __________, ______
   Recorded: Volume _____ Page ______
   Lessors: ****
   Lessees: ****
   Lands Covered: _____ acres out of the _____ (location not specified), among other lands
   Primary Term: One (1) year

2. Date: __________, ________
   Recorded: Volume ___, Page ___
   Lessors: Claire Hoskins
   Lessees: ****
   Lands Covered: Part of the Subject Land, among other lands
   Primary Term: Ten (10) Years

TAXES

The Materials Examined included the following tax information concerning the Subject Land:

1. Tax Certificate dated __________, ________, issued by the _____ County Tax Office, showing taxes due to _____ County, Hospital, Hospital IS, County Road, _____ ISD, and _____ ISD IS, covering the Subject Land and assessed in the name of __________, and indicating that there are past-due taxes in the aggregate amount of $**** due to (a) _____ County (a total of $**** for tax years __-___), (b) _____ County IS (a total of $**** for tax years ___-___), (e) Hospital (a total of $**** for tax years ___-___), (d) Hospital IS (a total of $**** for tax years __-___), (e) County Road (a total of $**** for tax years ___-___), (f) _____ ISD (a total of $**** for tax years __________), and (g) _____ ISD IS (a total of $**** for tax years __________). ***

COMMENTS AND REQUIREMENTS

1. ADVISORY: The Subject Land consists of **acres of land, more or less, out of the ________ Survey, Abstract No. _____, ______ County, Texas. J.P. Coles was awarded seven and one-half leagues of land by Mexican Grant dated _______, _______, a copy of which is recorded in Volume ___, Page ___.

Under the Relinquishment Act of 1919 and the Sales Act of 1931, lands granted or patented from the State of Texas from 1895 forward may be subject to "mineral classification." As the Subject Land was patented prior to the formation of the State of Texas, it is not under mineral classification and therefore the State of Texas is not vested with a mineral interest in the same.

2.
Title History

The early title history to the Subject Land contains numerous gaps and irregularities which make it difficult, if not impossible, to construct a reliable chain of title. As a result, we make no requirement with respect to any such issues that occurred more than 100 years ago.

J.P. Coles was awarded seven and one-half leagues of land, including the Subject Land, by Mexican Grant dated _______, ____ (Volume _____, ____).

By Deed dated _______, ______, __________ conveyed _______ acres, including the Subject Land, to his daughter, __________ (Volume _____, Page ____).

[Remaining entries omitted for purposes of sample opinion]

REQUIREMENT: Please submit a full and complete affidavit by two credible, disinterested persons familiar with the facts stating the use, possession, fencing, improvements, etc., of the Subject Land for at least the past twenty-five (25) years.

3.

We have not been furnished with a survey of the Subject Land.

REQUIREMENT: A survey should be made of the Subject Land in order to determine definitively the true boundary lines of same upon the ground. Said survey should locate all fence lines, corners, easements, improvements and natural monuments, if any, and should definitely consider the possibility of any vacancies or conflicts with adjoining surveys. A plat should be prepared from the field notes of said survey and be furnished for examination and further comment.

4.

As noted in the above section entitled "Encumbrances," the Subject Land is currently burdened by one or more easements and/or rights-of-way currently of record in Burleson County. It is also possible that additional easements or rights-of-way have been acquired through recorded instruments which were not included in the Materials Examined, unrecorded instruments, or by prescription.

REQUIREMENT: You should locate and respect the easements and rights-of-way listed under the Encumbrances section above, as well as any other obvious or apparent easements or rights-of-way affecting the Subject Land.

5.

ADVISORY: Except where specified otherwise, we have assumed that all instruments referred to in this Opinion were properly authorized, executed, and delivered, and that these instruments are valid and legally binding. Specifically, and without limiting the generality of the foregoing, we have assumed that (a) all instruments executed by corporations, partnerships and other legal entities were authorized by appropriate action of such entity, and that the person signing on the entity's behalf was duly authorized to bind such entity as of the execution and effective date of said instruments; (b) all trust distributions were duly authorized by the instrument(s) creating said trust, and that the person signing on the trust's behalf was duly authorized to bind such trust as of the execution and effective date of said trust distribution, and (c) any instrument executed by one party as another party's attorney-in-fact was duly authorized by such other party's power of attorney (or similar authorization), and that such authorization had not been revoked as of the execution and effective dates of the instrument. In the event you are unwilling to rely on our assumptions in this regard, upon being advised of the same, we will make further requirements for evidence of such authorization as may be appropriate under the circumstances.
6. **ADVISORY:** This Opinion is based upon the Materials Examined, including that certain Title Runsheet prepared by __________, covering the Subject Land for the period of time from sovereignty through __________ at 5:00 p.m., based on a search of the public records of the Office of the County Clerk, the Abstract/Title Company, and the Office of the District Clerk of __________ County, Texas. You have requested us to base this Opinion upon such examination without the benefit of abstracts of title which are not obtainable within your time constraints. Therefore, this Opinion is subject to the correctness, accuracy and completeness of the Runsheet and the other Materials Examined.

7. **ADVISORY:** This Opinion does not address restrictions or limitations on drilling operations imposed by subdivision restrictions, covenants, zoning laws, regulations, or ordinances of municipal, county, or other governmental authorities.

8. **ADVISORY:** This Opinion does not cover any matter of conflict or discrepancy with respect to survey, area, boundaries, vacancies, or any other matters that could be determined only by an investigation upon the ground or by a survey of the land.

9. **ADVISORY:** Specifically excluded from this Opinion is the accreditation of ownership of uranium, coal, lignite and other hard minerals.

10. **ADVISORY:** This Opinion is rendered solely and exclusively for the benefit of __________ and is not to be relied upon by any other party without the prior written consent of this firm.

    The materials submitted for our examination are retained herewith.

    Very truly yours,

    By: __________________________
Month, day, year
(Materials Examined through Month, day, year through ___PM, CST)

DRILLING AND DIVISION ORDER TITLE OPINION

Client
Address
City, State, ZIP

Attention: ________________

Re: _____Unit, Tracts 1-22, A.-__

468.1700 acres, m/l
__________ County, Texas

Delivered via e-mail and hard copy

DEPTH LIMITED TO SAN ANDRES FORMATION\textsuperscript{63}

Ladies and Gentlemen:

Pursuant to your request, title has been examined as to the following described lands, comprising the _______Unit, which encompasses 468.1700 acres of land, more or less, in _______ County, Texas, described as follows: Section XX, W/2, W/2E/2, Block A-XX, Abstract XXX, _______ Survey. The _______ Unit is comprised of 23 separate Tracts, each being individually described below, and all of which together are referred to herein as the “Subject Lands.”

SUBJECT LANDS

TRACT 1: Being __.____ acres of land, more or less, located in the _________ Survey, A-___, _______County, Texas, and being more particularly described in that certain Deed of Gift, dated December 22, 1982, from __________ as Grantor, to ____________, as Grantee, and recorded in Volume __, Page ___ of the Deed Records of _________County, Texas.

[Tract descriptions 2-23 omitted for purposes of this sample opinion]

See Exhibit “F” for a plat depicting the Subject Lands included within the _______ Unit.

\textsuperscript{63} See C/R No. 3.
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2. Scope of Opinion .......................................................................................................................................... XX
3. Working Interest Owners Summary .......................................................................................................... XX
4. Ownership of Subject Lands ........................................................................................................................ XX
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7. Comments and Requirements ...................................................................................................................... XX
8. Record Reference and Other Abbreviations ............................................................................................. XX
9. Limitations ..................................................................................................................................................... XX
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12. Exhibit C: Encumbrances ........................................................................................................................... XX
13. Exhibit D: Division of Interest ........................................................................................................................ XX
14. Exhibit E: Prior Unreleased Oil and Gas Leases .................................................................................... XX
15. Exhibit F: Plat of the Subject Lands .......................................................................................................... XX
16. Exhibit G: Mineral Chain of Title ............................................................................................................. XX

MATERIALS EXAMINED

Our examination was limited to the following:

ABSTRACTS, et al:

1. Assignment of Oil, Gas and Mineral Leases dated June ____, 20__ (___/___), __________, as Assignor, and ________________, as Assignee;

2. Quitclaim Deed dated ____ __, 20__ (___/___), from ________________aka ___________ and ____________, as Grantors, to _________________, as Grantee, quitclaiming her interest in Tract __.

[Remaining Materials Examined omitted for sample opinion purposes]
SCOPE OF OPINION

This Drilling and Division Order Title Opinion (the “Opinion”) has been prepared based upon the Materials Examined as identified above, and further, has been limited to an examination of the oil and gas estate. This Opinion is depth limited to the San Andres Formation. Furthermore, no opinion is expressed on the ownership of existing oil and or gas wellbores that may be located within the lands covered by this Opinion. No opinion is expressed on the ownership of coal, lignite, or any other minerals other than oil and gas. The use of the term “Minerals” in this Opinion shall be understood to refer only to the oil and gas estate.

This Opinion expressly excludes from coverage the ownership of the surface estate in the Subject Lands. Surface information may be included in this Opinion for convenience purposes, only. If a definitive opinion on the Surface is needed, contact the Examiner for a supplement to this Opinion.

All ownership interests in this Opinion are calculated on an after payout basis. The Examiner has not taken into account who will, or will not, participate in any wells drilled on the Subject Lands and/or the impact of any farmout agreements or forced pooling penalties. If an opinion is needed on a before and after payout basis, contact the Examiner for a supplement to this Opinion.

Based solely upon our examination of the instruments listed above (hereinafter collectively referred to as “Materials Examined”), and subject to the comments, requirements, and limitations hereinafter set forth, we find title to the Subject Lands, as of _______, ___, at ____ AM/PM, ____, as follows:

WORKING INTEREST OWNERS SUMMARY

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<th>TRACTS 1-23 CONSOLIDATED</th>
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<tbody>
<tr>
<td>OWNER</td>
</tr>
<tr>
<td>Big Ole Oil Company, Inc., by Big Oil South Texas LLC, GP</td>
</tr>
<tr>
<td>Jock Ewing Oil Resources, LLC</td>
</tr>
<tr>
<td>Digger Barnes Legacy Trust, Cliff Barnes IV, Trustee</td>
</tr>
<tr>
<td>Prairie Chicken Oil Company, Inc.</td>
</tr>
<tr>
<td>Unleased Son. O. Gun</td>
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OWNERSHIP OF THE SUBJECT LANDS

TRACT 1:

SURFACE

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<th>INTEREST</th>
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<tr>
<td>I.M. Farmer</td>
<td>= (8/8)</td>
<td>1.00000000</td>
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OIL AND GAS: LEASED

<table>
<thead>
<tr>
<th>OWNER/FRACTION</th>
<th>INTEREST</th>
<th>NET ACRES</th>
<th>LEASE ROYALTY</th>
<th>LEASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estate of Alton B. Rich</td>
<td>0.33333333</td>
<td>8.5567</td>
<td>25%</td>
<td>L1</td>
</tr>
<tr>
<td>Linda R. Rich</td>
<td>0.33333333</td>
<td>8.5567</td>
<td>25%</td>
<td>L2</td>
</tr>
<tr>
<td>Walter John Farmer, Jr.</td>
<td>0.33333333</td>
<td>8.5567</td>
<td>25%</td>
<td>L3</td>
</tr>
<tr>
<td>TOTAL</td>
<td>1.00000000</td>
<td>25.6700</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OIL AND GAS: UNLEASED

None

NONPARTICIPATING ROYALTY

None

[Tracts 2-23 omitted in Sample Opinion]

TRACT 23:

SURFACE

<table>
<thead>
<tr>
<th>OWNER</th>
<th>FRACTION</th>
<th>INTEREST</th>
</tr>
</thead>
<tbody>
<tr>
<td>John R. Runner and wife, Connie Runner</td>
<td>= (8/8)</td>
<td>1.00000000</td>
</tr>
</tbody>
</table>
OIL AND GAS: LEASED

<table>
<thead>
<tr>
<th>OWNER/FRACTION</th>
<th>INTEREST</th>
<th>ACRES</th>
<th>LEASE ROYALTY</th>
<th>LEASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>John B. Button and wife, Bunnie Button = (8/8)</td>
<td>1.00000000</td>
<td>6.1900</td>
<td>23%</td>
<td>L21</td>
</tr>
</tbody>
</table>

OIL AND GAS: UNLEASED

None

NONPARTICIPATING ROYALTY

<table>
<thead>
<tr>
<th>OWNER/FRACTION</th>
<th>INTEREST</th>
<th>LEASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charles J. Rich, Jr. = (1/72) x 23% x 8/8</td>
<td>0.00319444</td>
<td>L21</td>
</tr>
</tbody>
</table>

[OWNERS OMITTED]

<table>
<thead>
<tr>
<th>OWNER/FRACTION</th>
<th>INTEREST</th>
<th>LEASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earl Campbell = ((5% x (1/120)) + (5% x (1/120))) x 23% x 8/8</td>
<td>0.00019167</td>
<td>L21</td>
</tr>
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</table>

************************************************

LEASEHOLD ESTATE

TRACTS 1, 2 and 5:

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<thead>
<tr>
<th>OWNER</th>
<th>WORKING INTEREST</th>
<th>NET REVENUE</th>
<th>NET ACRES</th>
<th>LEASE</th>
<th>ASSIGN.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big Ole Oil Company, Inc., by Big Oil South Texas LLC, GP</td>
<td>1.00000000</td>
<td>0.75000000</td>
<td>78.0800</td>
<td>L1-3, L11</td>
<td>A1</td>
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OVERRIDING ROYALTY

None
### TRACTS 3 and 23:

<table>
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<tr>
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<th>NET ACRES</th>
<th>LEASE</th>
<th>ASSIGN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big Ole Oil Company, Inc., by Big Oil South Texas LLC, GP</td>
<td>1.00000000</td>
<td>0.76000000</td>
<td>133.5700</td>
<td>L4, L5, L21</td>
<td>A1</td>
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</table>

### OVERRING ROYALTY

<table>
<thead>
<tr>
<th>OWNER/BURDEN</th>
<th>FRACTION</th>
<th>INTEREST</th>
<th>LEASE</th>
<th>ASSIGN</th>
</tr>
</thead>
<tbody>
<tr>
<td>J.R. Ewing Estate</td>
<td>(1/2 \times \frac{1}{100} \times \frac{8}{8})</td>
<td>0.00500000</td>
<td>L4, L5, L21</td>
<td>AORR1</td>
</tr>
<tr>
<td>Bobby Ewing Trust for Grandchildren</td>
<td>(1/4 \times \frac{1}{100} \times \frac{8}{8})</td>
<td>0.00250000</td>
<td>L4, L5, L21</td>
<td>AORR1</td>
</tr>
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### TRACTS 4, 8-12 and 14:

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<th>OWNER</th>
<th>WORKING INTEREST</th>
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<th>NET ACRES</th>
<th>LEASE</th>
<th>ASSIGN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big Ole Oil Company, Inc., by Big Oil South Texas LLC, GP</td>
<td>1.00000000</td>
<td>0.78000000</td>
<td>111.0100</td>
<td>L6-9, L13</td>
<td>L12-14</td>
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### OVERRING ROYALTY

<table>
<thead>
<tr>
<th>OWNER/BURDEN</th>
<th>FRACTION</th>
<th>INTEREST</th>
<th>LEASE</th>
<th>ASSIGN</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.M. Rich Royalties, LP</td>
<td>(1% \times \frac{8}{8})</td>
<td>0.01000000</td>
<td>L6-9, L13</td>
<td>AORR1</td>
</tr>
<tr>
<td>I.M. Rich Royalties, LP</td>
<td>(1/2 \times \frac{1}{100} \times \frac{8}{8})</td>
<td>0.00500000</td>
<td>L6-9</td>
<td>AORR1</td>
</tr>
<tr>
<td>Good Oaks Acquisitions, LP</td>
<td>(1/2 \times \frac{1}{100} \times \frac{8}{8})</td>
<td>0.00500000</td>
<td>L6-9, L13</td>
<td>AORR1</td>
</tr>
</tbody>
</table>

### TRACTS 6 and 21:

<table>
<thead>
<tr>
<th>OWNER</th>
<th>WORKING INTEREST</th>
<th>NET REVENUE</th>
<th>NET ACRES</th>
<th>LEASE</th>
<th>ASSIGN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unleased</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Son O. Gun</td>
<td>1.00000000</td>
<td>1.00000000</td>
<td>8.2500</td>
<td>UNL</td>
<td>N/A</td>
</tr>
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</table>
### OVERRIDING ROYALTY

None

### TRACT 7:

<table>
<thead>
<tr>
<th>OWNER</th>
<th>WORKING INTEREST</th>
<th>NET REVENUE</th>
<th>NET ACRES</th>
<th>LEASE</th>
<th>ASSIGN.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big Ole Oil Company, Inc., by Big Oil South Texas LLC, GP</td>
<td>1.00000000</td>
<td>0.76750000</td>
<td>5.1300</td>
<td>L6-L10 A1</td>
<td></td>
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### OVERRIDING ROYALTY

<table>
<thead>
<tr>
<th>OWNER/BURDEN</th>
<th>FRACTION</th>
<th>INTEREST</th>
<th>LEASE</th>
<th>ASSIGN.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinson Royalties, LP</td>
<td>=1% x (8/8)</td>
<td>0.01000000</td>
<td>L6-L10 AORR1</td>
<td></td>
</tr>
<tr>
<td>Backroads Minerals, LP</td>
<td>=(1/2) x (1/100) x (8/8)</td>
<td>0.00500000</td>
<td>L6-L10 AORR1</td>
<td></td>
</tr>
<tr>
<td>Royal Oaks Acquisitions, LP</td>
<td>=(1/2) x (1/100) x (8/8)</td>
<td>0.00500000</td>
<td>L6-L10 AORR1</td>
<td></td>
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</table>

### TRACTS 13, 15 and 17-19:

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<tr>
<th>OWNER</th>
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<th>NET ACRES</th>
<th>LEASE</th>
<th>ASSIGN.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big Ole Oil Company, Inc., by Big Oil South Texas LLC, GP</td>
<td>1.00000000</td>
<td>0.80000000</td>
<td>76.4000</td>
<td>L12, L15 A1</td>
<td></td>
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</tbody>
</table>

### OVERRIDING ROYALTY

None

### TRACT 20:

<table>
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<tr>
<th>OWNER</th>
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<th>NET REVENUE</th>
<th>NET ACRES</th>
<th>LEASE</th>
<th>ASSIGN.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jock Ewing Oil Resources, LLC</td>
<td>1.00000000</td>
<td>0.77500000</td>
<td>54.0200</td>
<td>L16-L19 A1</td>
<td></td>
</tr>
</tbody>
</table>
OVERRIDING ROYALTY

OWNER/BURDEN | FRACTION | INTEREST   | LEASE | ASSIGN.
--------------|----------|------------|-------|--------
Holley Oil Company, LLC
*difference between 22.5% and lease burdens*

= 2.5% x 8/8  0.02500000  L16-L19  N/A

**TRACT 22:**

<table>
<thead>
<tr>
<th>OWNER</th>
<th>WORKING INTEREST</th>
<th>NET REVENUE</th>
<th>NET ACRES</th>
<th>LEASE</th>
<th>ASSIGN</th>
</tr>
</thead>
</table>
| Digger Barnes Legacy Trust, Cliff Barnes IV, Trustee
  Prairie Chicken Oil Company, Inc.
  Jock Ewing Oil Resources, LLC
| 90.000000%                                | 0.72000000       | 1.5120      | L20      | N/A   |
| 5.000000%                                 | 0.04000000       | 0.0840      | L20      | N/A   |
| 5.000000%                                 | 0.04000000       | 0.0840      | L20      | N/A   |
| TOTAL                                     | 1.00000000       | 0.80000000  | 1.6800   |       |

OVERRIDING ROYALTY

None

***************************

**PATENT, MINERAL CLASSIFICATION, AND CHAIN OF TITLE**

The Subject Lands are included in Patent (_/___) dated ________, 1845, from the Republic of Texas to ________, for what is now the ____________________ Survey, A-___, ________ County, Texas. Under the Relinquishment Act of 1919 and the Sales Act of 1931, lands granted or patented from the State of Texas from 1895 forward may be subject to “mineral classification.” The Relinquishment Act applies to lands granted or patented from September 1, 1895, to May 29, 1931. The Sales Act applies to lands granted or patented from May 29, 1931, forward. Since the grant of the Subject Lands falls outside the applicable dates, the Subject Lands are not under mineral classification and, therefore, the sovereign retained no mineral interest in the Subject Lands. Note, however, the limitations in this Opinion relative to state ownership of navigable watercourses as set forth in the Limitations section of this Opinion. Please see Exhibit “G” for the Mineral Chain of Title relating to the Subject Lands.

***************************
COMMENTS AND REQUIREMENTS

A. Special Comments and Requirements

1. **Unleased Interest (Tracts 6 and 21).** The interest of Son O. Gun in Tracts 6 and 21 is unleased. Oil and Gas Lease No. 8 taken by J.R. Ewing IV from Digger Barnes IV which purports to cover this interest was taken from the wrong owner. Digger Barnes IV is a stranger to title as to Tracts 6 and 21.

   REQUIREMENT: You should obtain a lease or otherwise address the unleased interest of Son O. Gun in Tracts 6 and 21 through farmin, a joint operating proposal, or otherwise. You should also secure a release from J.R. Ewing IV of Lease No. 8 to remove the cloud on the record. This requirement should be addressed prior to drilling.

2. **Current Status of Estate of Alton B Rich (Tract 1).** The Materials Examined show that Alton B. Rich, the owner of a 1/3 interest in Tract 1, died testate on April 1, 2013, and an Independent Administration of his estate proceedings has been opened for him in ______ County, Texas, Cause No. __________. The Will was not included in the Materials Examined. We have scheduled the mineral interest owned by him in the “Estate of Alton B. Rich.” Note that Alton B. Rich entered into Lease No. 1 prior to his death so his Estate would be bound by its terms.

   REQUIREMENT: In the event of production, the above referenced estate proceedings should be reviewed following their conclusion to determine who devisees of Alton B. Rich are. The Examiner should be furnished with a copy of the Will so that the ownership schedules in this Opinion may be updated accordingly. The Will should be obtained and recorded in ______ County, Texas. A certified copy of the letters testamentary appointing the Independent Executor of the Estate should also be recorded in ______ County, Texas. This requirement should be addressed prior to division orders.

3. **Depth Limitation – Unleased Mineral Interest.** Subject Lease Nos. 1-3 each contain the following provision labeled “Retained Depths”: “Lessor reserves and excepts from this lease all depths from the surface down to the top of the __________ formation.” Accordingly, the mineral interest from the surface to the top of the __________ Formation remains unleased.

   REQUIREMENT: Advisory as to the lease status of the minerals from the surface to the top of the __________ Formation. If you wish to lease all minerals underlying the Subject Lands, obtain Oil and Gas Leases covering the State’s interest from the surface to the top of the __________ formation, executed by the State’s agents, currently, ____________________, ____________________ and ____________________, Jr. Record the leases in _______ County and provide the Examiner with copies for review.

B. General Comments and Requirements

6. **Reliance on Runsheet.** In preparation of this Opinion, we have not conducted an actual examination of the records of _______ County, Texas. Our examination of title and this Opinion is based upon the Runsheet and additional materials furnished to us as indicated in the Materials Examined section of this Opinion. We accept no liability for the accurateness or completeness of the Materials Examined.
REQUIREMENT: Advisory.

7. **Use and Possession of Subject Lands.** We have not been furnished any information regarding the past or current use and possession of the Subject Lands, and ownership as credited herein is subject to the rights of parties actually in possession thereof. The Materials Examined reveal certain gaps and early defects in title to the Subject Lands which would be difficult, if not impossible, to cure at the present time.

You will have to rely upon the Statute of Limitations and possession to cure the early defects. Section 16.030 of the Texas Civil Practice and Remedies Code provides that when a limitation title by a person having peaceful and adverse possession is perfected, the claimant has the full or fee title precluding all claims, the same as if such title had been conveyed by deed in writing by the record owner or acquired by Patent. Therefore, we have made no requirements to cure all of the early defects other than the hereinafter possession requirement.

REQUIREMENT (A): You should secure Affidavits of Possession from two or more persons personally familiar with the Subject Lands setting forth the nature of possession of Subject Lands for the past 25 years. In this connection, determine the location of all fences and improvements located on the Subject Lands, if any, and in what manner the Subject Lands have been used, such as for farming, grazing of cattle, timber operations, or commercial development. The Affidavits should give the names and addresses of such persons and recite the manner in which they are acquainted with the facts surrounding the property insofar as they relate to possession, use and occupancy. Such affidavit should also include the results of your investigation relevant to the existence or non-existence of any highway or railroad right-of-way, schools, churches, cemeteries, placer and lode mining locations, if any, located at any time on the Subject Lands. The Affidavits should be submitted to this office for review.

REQUIREMENT (B): If the investigation of use and occupancy of the Subject Lands reveals that the lands are occupied by any person other than the current owner, determine by what rights such person is in possession. We recommend that you attempt to secure a Tenant’s Consent Agreement from any such person, particularly if their use and occupancy of the land began before the date of your oil and gas lease. Contact this office for advice should this situation arise.

8. **Liens and Other Encumbrances.** We have assumed for purposes of this Opinion that any unreleased liens or similar encumbrances affecting the Subject Lands which were due and payable more than 40 years ago have been paid in full or are barred by the statute of limitations and that said liens and encumbrances no longer burden the Subject Lands. With this assumption in mind, our review of the Materials Examined revealed no unreleased liens, deed of trusts, or similar interests that may be acting to encumber the interests of the surface, mineral/royalty, or leasehold interest owners as listed in the Ownership section of this Opinion.

REQUIREMENT: Advisory.

9. **Easements and Rights of Way.** The Materials Examined included one easement or right of way affecting the Subject Lands, as summarized in Exhibit “C.” You should respect the use and enjoyment of same in connection with your operations on the Subject Lands.

REQUIREMENT: Advisory.
10. **On the Ground Examination.** Prior to your operations on the Subject Lands, you should conduct an on the ground examination to determine any operating burdens revealed by visual inspection. Your operations on the Subject Lands must be conducted with due regard for any prior rights or conflicting uses including any easements and rights of ways which are senior to your oil and gas leases.

REQUIREMENT: Advisory.

11. **Unreleased Oil and Gas Leases.** The Materials Examined reveal the existence of prior, unreleased oil and gas leases as noted in Exhibit “D” of this Opinion. The Examiner observes that these prior, unreleased oil and gas leases cover lands in addition to the Subject Lands and most do not contain Pugh Clauses. Additionally, the Materials Examined included Affidavits of Non-Production stating that there has been no production of oil or gas on the E/2 of the Subject Lands, see Affidavits dated ____, from ______ (___/___) and ______ (___ / ___).

REQUIREMENT: You should fully satisfy yourself that all prior unreleased oil and gas leases covering the Subject Lands have expired by their own terms, or in lieu thereof, you should secure releases of same and file such releases in the county records. Alternatively, you should obtain and furnish for examination Affidavits of Non-Production substantiating that the leases have expired, or otherwise assure yourself to the extent that you deem advisable that each of such Leases have terminated and are no longer in force and effect.

12. **Read the Leases and Assignments.** The Examiner has provided brief summaries of the Subject Leases and Assignments thereof in Exhibits “A” and “B” respectively. You are advised that these summaries are not exhaustive and should not be relied upon in substitution of your actual review of the terms of the leases and assignments themselves.

REQUIREMENT: Advisory.

13. **Taxes.** Under § 32.01 of the Texas Tax Code, all property subject to property taxes is subject to a lien in favor of the taxing authority as of January 1st of each year. The Materials Examined included Tax Receipts (Certificate Nos. XXXXXX) for the year XXXX covering the Subject Lands. The Tax Receipts reflect that there are no outstanding balances due.

REQUIREMENT: Satisfy yourselves to the extent that you deem advisable that there are no delinquent ad valorem taxes affecting any portion of the oil and gas mineral estate.

14. **Closing Date of the Runsheete.** The closing date of the Runsheete is _______, ____. The Examiner advises you to check the records of the County and District Clerk’s office of ____________ County, Texas, to ensure that nothing has been placed of record since this date which could adversely affect your interest in the Subject Lands or that could impact the division of interest set forth in this Opinion prior to any payment of royalties. In the event any such instruments have been filed of record, you should submit these instruments for our examination so that additional comments and requirements, if appropriate, may be made.

REQUIREMENT: Advisory.

15. **Survey.** We have not been provided a copy of a survey relating to the Subject Lands. We recommend that you obtain and provide for our examination a survey of the Subject Lands.
16. **Division Orders.** You should obtain signed division orders from each of the owners listed in the ownership tables of this Opinion. The form of the division order should comply substantially with Texas Natural Resources Code § 91.402.

REQUIREMENT: Advisory

17. **Texas Estates Code § 203.001.** The Texas Estates Code, Section 203.001 provides that subject to rebuttal, a statement of facts concerning family history shall be received as prima facie evidence in any proceeding to declare heirship or a suit involving title if contained in a document legally executed and acknowledged or sworn to, if the same has been filed of record for five (5) years in the county where the land is located. Unless otherwise noted, we assume the information contained in any Affidavits included in the Runsheet are correct and rely on the same in preparing this Opinion, regardless of the length of the time the same have been filed of record.

REQUIREMENT: Advisory

18. **Use of Excel.** Please note the following with regard to the subtotals and totals shown in the various ownership schedules which are part of this opinion: All of these schedules have been prepared using the Microsoft Excel® spreadsheet program. When Excel calculates values, it does so using 15 significant digits of precision. What is displayed, however, is based on the formatting selected for the individual cells. This results, in some cases, in subtotals or totals that are not exactly equal to the number which would be obtained if the component figures were manually calculated.

This effect can be illustrated by the following example: When the fraction 1/3 is entered, calculations in Excel are based on 0.333333333333333. What is displayed, however, is based on the formatting selected for each individual cell. Thus, if a cell is set to display three decimal places, a cell in which 1/3 was entered as the value would be displayed as 0.333. When Excel adds three such cells, however, the result is displayed as 1.000, even though manually adding what is displayed would yield 0.999.

The only way these discrepancies can be eliminated is to set each cell to “round” to a certain number of decimal places and then manually change this rounding if necessary to arrive at the proper total. If a spreadsheet/schedule contains a significant number of values, this process is time consuming. In addition, this manual rounding process must be repeated each time an entry is changed. (If, for example, a new lease is acquired from a previously unleased interest or the working interest ownership should change for other reasons.) We also note that these discrepancies would occur only in the last decimal place displayed and that the differences in the “real world” at this level are negligible. For example, the schedules in this opinion show revenue and working interest calculations to eight decimal places. The difference between 0.50000000 and 0.49999999 in a net revenue calculation would be equal to one barrel out of 100 million, and, similarly, the difference between 0.50000000 and 0.49999999 in a cost calculation would be $1.00 out of $100 million. Net acres are shown to only four decimal places because the original GLO surveys expressed acreage amounts to only two decimal places, so expressed precision beyond that level would not be consistent with the underlying data. (Where net acres are based on fractional divisions, however, the underlying fraction – rather than the acreage amount – is retained and used for additional calculations.)
Given all of the above, we have chosen to include the data in the various schedules as displayed and calculated by Excel, and we have not manually rounded the numbers displayed by Excel, so as to ensure that the subtotals and totals are exactly equal to the sum of their component figures. Upon request, however, we will revise the schedules using the manual rounding methods which are necessary to achieve such results.

REQUIREMENT: Advisory.

RECORD REFERENCE AND OTHER ABBREVIATIONS

References in this Opinion to Volume/Page (V/P) numbers (sometimes represented just as number/number) are to the records of _______ County, Texas, and may include references to Deed Records, Official Records, Real Property Records, Deed of Trust Records, Mechanic’s Lien Records or Mechanic & Material Lien Records, Probate Records, or other records as the context may indicate. In addition the following abbreviations may be used this Opinion: “LOR” for Landowner’s Royalty; “NRI” for Net Revenue Interest; “NPRI” for nonparticipating royalty interest; “ORRI” for overriding royalty interest; “C/R” for Comments and Requirements; and “ASSIGN.” for Assignment(s). The heading “REQ.” in the Division of Interest table is used to call attention to “Special” Comments and Requirements that directly affect that individual and/or entity. This does not mean that there are no other requirements that may affect that individual and/or entity.

LIMITATIONS

This Opinion does not cover (i) ownership of minerals other than oil, gas and associated hydrocarbons; (ii) the location of the Subject Lands on the ground, questions of boundary, conflicts with adjacent surveys or matters of area such as are determinable only by an actual ground survey, which we assume you will undertake prior to commencement of oil and gas operations; (iii) the genuineness, authenticity or enforceability of any instruments relied upon; (iv) matters not discoverable with ordinary professional care including fraud, forgery, duress, undue influence, capacity-competency of parties, wrongfully indexed instruments, delivery and alteration after delivery, bankruptcy, homestead rights, unrecorded instruments, and inchoate liens; (v) technical defects of title that may not reasonably be expected to materially affect the value or use of the Subject Lands for oil and gas development purposes in accordance with the “Texas Title Examination Standards” found in Title II of the Texas Property Code; and (vi) any other matter not strictly pertaining to title and ownership such as environmental matters or compliance with governmental laws, rules, ordinances or regulations.

The United States Army Corps of Engineers has designated lands in various counties in Texas to be “wetlands” and has promulgated strict regulations regarding their development for oil and gas purposes. Though we have not examined any materials indicating that all, or part, of the Subject Lands are classified as wetlands, you should be aware that there is a possibility that all, or part, of the Subject Lands could be considered “wetlands” subject to the jurisdiction of various state and federal authorities for the purposes of protecting the environment and controlling and regulating the drilling of such lands.

Be aware that if there are any watercourses traversing the Subject Lands, the mineral ownership under same could be vested in the State of Texas. Streams which average at least 30 feet in width measured from the mouth are navigable as a matter of law. The State of Texas owns the beds and bottoms, now or formerly, of all navigable waterways within the state, including the minerals. TEX. NAT. RES. CODE ANN. §§ 21.001 (3), 21.012 and 21.013 (Vernon 1978); State v. Bradford, 121 Tex. 515, 50 S.W.2d 1065 (1932); Motl v. Boyd, 116 Tex. 82, 286 S.W. 458 (1926). Though we have not examined any
materials which would lead us to conclude that there is State of Texas ownership of any watercourses traversing the Subject Lands, this Opinion expressly excludes from coverage any possible claims to State ownership of the beds and bottoms of any such watercourses.

The Materials Examined do not indicate whether the Subject Lands are located within the city limits or extraterritorial jurisdiction of an incorporated town or municipality. If the Subject Lands are located within such a city limit or extraterritorial jurisdiction, you should be aware that your oil and gas drilling and producing operations may be subject to municipal or other governmental permitting requirements.

This Opinion has been rendered in accordance with the law as it existed at the time of the preparation of the opinion. In the event of a change in the applicable laws, we are not responsible for informing any party relying on this Opinion of the change in law or its impact upon record title.

All addresses listed in Exhibit “D” [this might be a different Exhibit letter if there is no Division of Interest Exhibit] of this Opinion are last known addresses of record only and may or may not be current. The addresses are furnished for your convenience and for starting point purposes. You should independently determine the current addresses for owners and should not rely on last known addresses of record until they have been proven to be current.

Attached to this Opinion as Exhibit “F” is a plat showing the approximate location of the Subject Lands. We make no representation regarding its accuracy, but include it only to assist you in identifying the Subject Lands.

This Opinion is rendered solely for the benefit of the addressee and may not be relied on by any other person or entity for any purpose.

Respectfully submitted,

LAW FIRM

By: __________________________

Attorney
## EXHIBIT A

### OIL AND GAS LEASES

1. **Instrument:** Memorandum of Oil and Gas Lease  
   **Lease Date:** May 15, 20__  
   **Memo Recorded:** Volume ___, Page ___  
   **Lessor:** Alton B. Rich, dealing in his sole and separate property  
   **Lessee:** Big Ole Oil Company, Inc., by Big Oil South Texas LLC, GP  
   **Lands covered:** Tracts 1 and 2  
   **Interest covered:** Oil & Gas  
   **Primary term:** Three (3) years.  
   **Royalty:** 25%  
   **Delay rentals:** None, this is a paid-up lease.  
   **Pooling:** Yes  
   **Pugh Clause:** Yes

2. **Instrument:** Memorandum of Oil and Gas Lease  
   **Lease Date:** May 15, 2013  
   **Memo Recorded:** Volume 898, Page 689  
   **Lessor:** Linda R. Rich, dealing in her sole and separate property  
   **Lessee:** Big Ole Oil Company, Inc., by Big Oil Permian LLC, its general partner  
   **Lands covered:** Tracts 1 and 2  
   **Interest covered:** Oil & Gas  
   **Primary term:** Three (3) years.  
   **Royalty:** 25%  
   **Delay rentals:** None, this is a paid-up lease.  
   **Pooling:** Yes  
   **Pugh Clause:** Yes

[Remaining leases omitted]
EXHIBIT B

ASSIGNMENTS OF OIL AND GAS LEASES

A. Leasehold

1. Instrument: Assignment of Oil and Gas Leases

   Dated: June 19, 2014
   Effective: June 19, 2014
   Recorded: June 30, 2014 (954/325)
   Assignor: I.M. Rich Royalties, LLC
   Assignee: Big Ole Oil Company, Inc., by Big Oil Permian LLC, its
             general partner
   Interest Assigned: All of Assignor’s right, title and interest in Subject Leases 1-
                      19 and 21.
   Reservations: None
   Warranty: Yes
   Proportionate reduction: None

B. Overriding Royalty

   None examined.
EXHIBIT C

ENCUMBRANCES

A. Declarations of Units/Pooling Declarations

None examined, see C/R ___.

B. Deeds of Trust

1. Instrument: Deed of Trust, Line of Credit Deed of Trust, Fixture Filing, Assignment of As-Extracted Collateral, Security Agreement and Financing Statement

   Grantor: ___________________
   Trustee: ___________________
   Beneficiary: ___________________
   Date: June 23, 20__
   Recorded: June 30, 20__ (___/344)
   Description: Secured in part by Subject Leases 1-19 and 21, among other leases
   Amount: $ 1,012, 500.00
   Maturity: As stated in the Loan Agreement

C. Judgments and Liens

None examined.

D. Taxes

No current information on taxes furnished. See C/R ___.

E. Easements

None examined.

F. Affidavits of Production/Development

None examined.

G. Affidavits of Non-Production/Non-Development
None examined.

***************************
EXHIBIT D

UNIT-WIDE DIVISION OF INTEREST

Unit Description:

Section XX, W/2, W/2E, Block A-XX, XXXX Abstracts XXX and XXX, PSL Survey
XXXX County, Texas,
477.4275 acres,*more or less
[*Sample opinion includes different total acres in Exhibit D]

Tract Factors

Unit Tract 1 (NW/4, W/2NE/4): 238.7138 acres/468.1700 acres
Unit Tract 2 (SW/4, W/2SE/4): 238.7138 acres/468.1700 acres
Unit Tracts 3-21 [Tracts descriptions/net acres omitted]/468.1700 acres
Unit Tract 22 [Tract descriptions/net acres omitted]/468.1700 acres

Contents and Calculations for Unit-Wide Division of Interest

Landowner’s Royalty (“LOR”)
= (mineral interest) X (lease royalty) X (tract factor) ................................................................. XX

Unleased Interests (“UL”)
= (mineral interest) X (tract factor) ............................................................................................. XX

Nonparticipating Royalty Interests (“NPRI”)
= (mineral interest) X (NPRI) X (tract factor) ........................................................................... XX

Overriding Royalty Interests (“ORRI”)
= (mineral interest) X (ORRI) X (tract factor) (results summed for all leases).......................... XX

Net Revenue Interests For Working Interest Owners (“NRI”)
= (1 - lease royalty (including the NPRI)) less (ORRI if any) X (working interest X mineral interest) X (tract factor) (results summed for all leases) .................................................. XX
## LANDOWNER'S ROYALTY

<table>
<thead>
<tr>
<th>Estate of Alton Martin Rich</th>
<th>LOR BY TRACT</th>
<th>UNIT LEASE</th>
<th>REQ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2727 Forest Cove Land</td>
<td></td>
<td>I.1</td>
<td>2</td>
</tr>
<tr>
<td>Tilden, Texas 75301</td>
<td></td>
<td>L.1</td>
<td>2</td>
</tr>
<tr>
<td>[2012]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>=((8/8)/3 \times 2-(1/3)) \times (25%) \times (25.67/468.17))</td>
<td>1</td>
<td>0.00456921</td>
<td></td>
</tr>
<tr>
<td>=((8/8)/3 \times 2-(1/3)) \times (25%) \times (51.38/468.17))</td>
<td>2</td>
<td>0.00914554</td>
<td></td>
</tr>
<tr>
<td><strong>Total LOR</strong> = 0.01371475</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Linda R. Rich</th>
<th>LOR BY TRACT</th>
<th>UNIT LEASE</th>
<th>REQ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1616 Dallas Avenue</td>
<td></td>
<td>L.2</td>
<td>N/A</td>
</tr>
<tr>
<td>Fort Worth, Texas 77345</td>
<td></td>
<td>L.2</td>
<td>2</td>
</tr>
<tr>
<td>[2010]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>=((8/8)/3 \times 2-(1/3)) \times (25%) \times (25.67/468.17))</td>
<td>1</td>
<td>0.00456921</td>
<td></td>
</tr>
<tr>
<td>=((8/8)/3 \times 2-(1/3)) \times (25%) \times (51.38/468.17))</td>
<td>2</td>
<td>0.00914554</td>
<td></td>
</tr>
<tr>
<td><strong>Total LOR</strong> = 0.01371475</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Walter John Farmer, Jr.</th>
<th>LOR BY TRACT</th>
<th>UNIT LEASE</th>
<th>REQ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 Midland Avenue</td>
<td></td>
<td>L.3</td>
<td>N/A</td>
</tr>
<tr>
<td>Andrews, Texas 77386</td>
<td></td>
<td>L.3</td>
<td>N/A</td>
</tr>
<tr>
<td>[2014]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>=((8/8)/3 \times 2-(1/3)) \times (25%) \times (25.67/468.17))</td>
<td>1</td>
<td>0.00456921</td>
<td></td>
</tr>
<tr>
<td>=((8/8)/3 \times 2-(1/3)) \times (25%) \times (51.38/468.17))</td>
<td>2</td>
<td>0.00914554</td>
<td></td>
</tr>
<tr>
<td><strong>Total LOR</strong> = 0.01371475</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Phyllis G. Popcycle</th>
<th>LOR BY TRACT</th>
<th>UNIT LEASE</th>
<th>REQ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>171 Andrews Street</td>
<td></td>
<td>L.4, L.5</td>
<td>N/A</td>
</tr>
<tr>
<td>Andrews, Texas 77386</td>
<td></td>
<td>L.11</td>
<td>N/A</td>
</tr>
<tr>
<td>[2014]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>=(1/4) \times (23%) \times (102.02/468.17))</td>
<td>3</td>
<td>0.01252996</td>
<td></td>
</tr>
<tr>
<td>=(1/4) \times (25%) \times (1.03/468.17))</td>
<td>5</td>
<td>0.00013750</td>
<td></td>
</tr>
<tr>
<td><strong>Total LOR</strong> = 0.01266746</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## UNLEASED INTERESTS

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Lease Year</th>
<th>Unit UL Calculation</th>
<th>Unit UL</th>
<th>Lease Req.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Son O. Gun</td>
<td>4187 Rose Circle Drive Tyler, Texas 75701</td>
<td>2013</td>
<td>=(1/2) x (5.03/468.17)</td>
<td>0.00537198</td>
<td>1</td>
</tr>
</tbody>
</table>

Total UL = 0.00537198

## NONPARTICIPATING ROYALTY INTERESTS

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Lease Year</th>
<th>Unit NPRI Calculation</th>
<th>Unit NPRI</th>
<th>Lease</th>
<th>Req.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clarence L. Hunter</td>
<td>4237 Woldert Street Tyler, Texas 75701</td>
<td>2013</td>
<td>=((1/2) x 20%) x (7.83/468.17)</td>
<td>0.00167247</td>
<td>L.12</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Total NPRI = 0.00167247

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Lease Year</th>
<th>Unit NPRI Calculation</th>
<th>Unit NPRI</th>
<th>Lease</th>
<th>Req.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daniel Migraine</td>
<td>1234 Park Avenue New York City, New York 80333</td>
<td>1995</td>
<td>=((1/144) x 23%) x (6.19/468.17)</td>
<td>0.00002112</td>
<td>L.21</td>
<td>3</td>
</tr>
</tbody>
</table>

Total NPRI = 0.00002112

TOTAL UNIT LOR (all tracts, all owners) = 0.21031757

TOTAL UNIT UL (all tracts, all owners) = 0.01762180
TOTAL UNIT NPRI (all tracts, all owners) = 0.00319296

### OVERRIDING ROYALTY INTERESTS

**I.M. Rich Royalties, LP**  
P.O. Box 7563  
Houston, Texas 77001  
[2013]

<table>
<thead>
<tr>
<th>TRACT</th>
<th>ORRI BY TRACT</th>
<th>UNIT ORRI</th>
<th>LEASE</th>
<th>REQ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>0.00108956</td>
<td></td>
<td>L4, L5</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>0.00051242</td>
<td></td>
<td>L6-L9</td>
<td>N/A</td>
</tr>
</tbody>
</table>

[Other entries omitted]

Total ORRI = 0.00390788

---

**Backroads Minerals, LP**  
P.O. Box 7563  
Tyler, Texas 75711  
[2013]

<table>
<thead>
<tr>
<th>TRACT</th>
<th>ORRI BY TRACT</th>
<th>UNIT ORRI</th>
<th>LEASE</th>
<th>REQ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>0.00054478</td>
<td></td>
<td>L4, L5</td>
<td>N/A</td>
</tr>
<tr>
<td>4</td>
<td>0.00025621</td>
<td></td>
<td>L6-L9</td>
<td>4</td>
</tr>
</tbody>
</table>

[Other entries omitted]

Total ORRI = 0.00195394

---

TOTAL UNIT ORRI (all tracts, all owners) = 0.01070039
## NET REVENUE INTERESTS FOR WORKING INTEREST OWNERS

**Big Ole Oil Company, Inc., by Big Oil Permian LLC, its GP**
Thanksgiving Tower
1212 Main Street
Dallas, Texas 77342

<table>
<thead>
<tr>
<th>[2015]</th>
<th>TRACT</th>
<th>NRI BY TRACT</th>
<th>UNIT NRI</th>
<th>LEASE</th>
<th>REQ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0.04112288</td>
<td>L1-L3</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>0.08230984</td>
<td>L1-L3</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

=(8/8) x (1 - 25%) x (25.67/468.17)

[Other entries omitted]

**Jock Ewing Oil Resources, LLC**
2325 Turtle Creek Boulevard
Dallas, Texas 77342

<table>
<thead>
<tr>
<th>[2015]</th>
<th>TRACT</th>
<th>NRI BY TRACT</th>
<th>UNIT NRI</th>
<th>LEASE</th>
<th>REQ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>0.04116795</td>
<td>L20</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total NRI = 0.75529653

[Other entries omitted]

**TOTAL UNIT NRI (all tracts, all owners) = 0.75816728**

**TOTAL UNIT INTERESTS (LOR + UL + NPRI + ORRI + NRI) = 1.00000000**

*******************************************************************************
EXHIBIT E

PRIOR UNRELEASED OIL AND GAS LEASES

Section ____, Block ____, ____ acres, more or less
______ Survey, A-__, ________ County, Texas

The Examiner has assumed that the following oil and gas leases are expired though they are not released of record or are questionably released. You need to satisfy yourself that these leases are in fact expired and when possible, obtain and record releases. To facilitate your review, the Examiner has sorted the leases in the categories below. The categories are ranked from highest risk (Category 1) to lowest risk (Category 4). Where a lease qualifies for more than one category, the Examiner has included the lease in the lower risk category.

CATEGORY 1: Prior unreleased oil and gas leases that encompass lands outside your unit but have no Pugh Clauses. This is what the Examiner considers to be your highest risk—a prior lease in your unit HBP by a well that could be miles away.

CATEGORY 2: Prior unreleased oil and gas leases that encompass lands outside your unit but with Pugh Clauses. This is what the Examiner considers to be your second highest risk—a prior lease in your unit held by ongoing operations such that the Pugh Clause has not been triggered.

CATEGORY 3: Released oil and gas leases but not all lessors or assignees of the lease have signed the release. The Examiner considers this to be a lower risk category. If any of the lessees signed a release, chances are that the lease is no longer held. Proceeding further without releases signed by all the other lessees or assignees of the lessees could be an acceptable business risk.

CATEGORY 4: Prior unreleased oil and gas leases that encompass lands wholly within your unit. This is what the Examiner considers to be the lowest risk category—provided you can get an affidavit of nonproduction or otherwise satisfy yourself relatively quickly that there is or is not prior production in your unit.

CATEGORY 1:

1.1 Instrument Oil, Gas and Mineral Lease
Lessor: _________________
Lessee: _________________
Dated: __________, ________
Recorded: _____, __________ (Volume ____, ______)
Lands covered: Subject Lands, among other lands
Primary term: Twenty (20) years
Pugh clause: No

CATEGORIES 2, 3 and 4: None examined.

*****************************************************************************
[EXHIBITS F (PLAT) and G (MINERAL CHAIN OF TITLE) omitted]
BIBLIOGRAPHY AND SUGGESTED FURTHER READING


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MATTHEW BUTTERICK, TYPOGRAPHY FOR LAWYERS, ESSENTIAL TOOLS FOR POLISHED AND PROFESSIONAL DOCUMENTS (2013).


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