	I	Page 1	
1	STATE OIL AND GAS BOARD OF ALABAMA		
2			
3	NOVEMBER 5, 2024		
4			
5	10:00 a.m.		
6			
7	Testimony and proceedings before the		
8	State Oil and Gas Board of Alabama in Regular		
9	Session at the University of Alabama, W. B.		
10	Jones Hall, 420 Hackberry Lane, Tuscaloosa,		
11	Alabama, pursuant to adjournment, on November 5,		
12	2024, before Sheri G. Connelly, CCR, RPR.		
13			
14			
15	IN ATTENDANCE:		
16	FOR THE STAFF:		
17	S. Marvin RogersGen. Counsel/Hrg. Officer		
18	Dr. Berry H. (Nick) Tew, JrSec./Supervisor		
19	Kirk McQuillanDeputy Director		
20	Butch GregoryEngineer		
21	Elbert PattersonGeologist		
22	Terry BurnsGeologist		
23	Jennifer BridgmonParalegal		

			Page 2
1		INDEX	
2			
3	ITEM	/DOCKET NUMBER: PAGE NUMBER:	
4	13.	Item 13, Docket Number 11-05-24-01 8	
5		FOR PHOENIX NATURAL RESOURCES II	
6		OPERATING COMPANY, LLC:	
7		Jim Nix	
8		Chad England	
9			
10	14.	Item 14, Docket Number 11-05-24-02 38	
11		FOR LAND AND NATURAL RESOURCE	
12		DEVELOPMENT, INC.:	
13		Tom Watson	
14		R. G. Sanders	
15			
16	15.	Item 15, Docket Number 11-05-24-03 47	
17		FOR LAND AND NATURAL RESOURCE	
18		DEVELOPMENT, INC.:	
19		Tom Watson	
20		R. G. Sanders	
21			
22	16.	Item 16, Docket Number 11-05-24-04 48	
23		FOR LAND AND NATURAL RESOURCE	

			Page 3
1		DEVELOPMENT, INC.:	
2		Tom Watson	
3		R. G. Sanders	
4			
5	17.	Item 17, Docket Number 11-05-24-05 50	
6		FOR LAND AND NATURAL RESOURCE	
7		DEVELOPMENT, INC.:	
8		Tom Watson	
9		R. G. Sanders	
10			
11	18.	Item 14, Docket Number 11-05-24-06 53	
12		FOR LAND AND NATURAL RESOURCE	
13		DEVELOPMENT, INC.:	
14		Tom Watson	
15		R. G. Sanders	
16			
17	19.	Item 19, Docket Number 11-05-24-07 56	
18		FOR LAND AND NATURAL RESOURCE	
19		DEVELOPMENT, INC.:	
20		Tom Watson	
21		R. G. Sanders	
22			
23	20.	Item 20, Docket Number 11-05-24-08 59	

Veritext Legal Solutions 877-373-3660 800.808.4958

			Page 4
1		FOR LAND AND NATURAL RESOURCE	
2		DEVELOPMENT, INC.:	
3		Tom Watson	
4		R. G. Sanders	
5			
6	21.	Item 21, Docket Number 11-05-24-09 62	
7		FOR LAND AND NATURAL RESOURCE	
8		DEVELOPMENT, INC.:	
9		Tom Watson	
10		R. G. Sanders	
11			
12	22.	Item 22, Docket Number 11-05-24-10 86	
13		FOR LAND AND NATURAL RESOURCE	
14		DEVELOPMENT, INC.:	
15		Tom Watson	
16		R. G. Sanders	
17			
18	23.	Item 23, Docket Number 11-05-24-11 93	
19		FOR ALOG, LLC:	
20		Tom Watson	
21			
22	24.	Item 24, Docket Number 11-05-24-12 95	
23		FOR NATURAL GAS & OIL, INC.:	

			Page 5
1		John Tyra	
2			
3	26.	Item 26, Docket Number 11-05-24-14 100	
4		FOR FLETCHER PETROLEUM CORP.:	
5		Mark Scogin	
6		Alex Owen	
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			

MR. ROGERS: It is now ten o'clock a.m., November 5, 2024. This hearing is in session.

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

2.3

Dr. Tew, have the items for the November 5 and 7, 2024, meeting been properly noticed?

DR. TEW: First of all, happy Election Day, everyone. Let's all do our civic duty and get out there and vote.

Mr. Rogers, the items on the November 5 and 7, 2024, meeting have been properly noticed.

MR. ROGERS: All right. The Board's staff and I have received and compiled the proofs of publication for the items appearing on the docket for the first time. These proofs of publication for the items on the November 5 and 7, 2024, dockets are admitted into the record. Furthermore, copies of the information posted on the website of the Secretary of State announcing these two meetings of the Oil and Gas Board of November 5 and 7, 2024, and a confirmation of successful postings from the Secretary of State

1 are also admitted into the record.

2.0

2.1

2.2

I have an order of the State Oil and Gas Board appointing me as hearing officer to conduct this hearing on behalf of the Board.

The order will be made a part of the record at this time.

So at this point, Jennifer, we'll stamp in the proofs of publication and the copies of the information on the Secretary of State's website and then the hearing officer report.

The procedure for the meeting is as follows: The hearing officer and the staff will hear the -- will hear certain items on the docket today. We will present recommendations of the hearing officer to the Board. One -- two items have been set for hearing on Thursday, so we'll hear two items on Thursday. The rest of the items will be heard today except for the continued items.

All right. We have a number of continued items. Item 3, Docket Number 9-17-24-03, petition by W and T Offshore,

```
1
     Incorporated; Item 4, Docket Number 9-17-24-04,
     petition by W and T; Item 5, Docket Number
 2
 3
     9-17-24-05, petition by W and T; Item 6, Docket
     Number 9-17-24-06, petition by W and T; Item 7,
 4
     Docket Number 9-17-24-08, petition by W and T;
 5
     Item 8, Docket Number 9-17-24-08, petition by W
 6
 7
     and T; Item 9, Docket Number 9-17-24-09,
     petition by W and T; Item 10, Docket Number
8
9
     9-17-24-10, petition by W and T; Item 11, Docket
     Number 9-17-24-11, petition by W and T; and Item
10
11
     12, Docket Number 9-17-24-12, petition by W and
12
     T; and also Item 25, Docket Number 11-5-24-13,
13
     petition by Land and Natural Resource
14
     Development, Incorporated.
15
               John, is that right on that one you've
     got for continued?
16
17
                          That's correct, yes, sir.
               MR. TYRA:
18
               MR. ROGERS: Any corrections on any of
19
     those recommendations?
2.0
                       (No response.)
2.1
               MR. ROGERS: All right. We have a
2.2
     number of items to be heard today. The first
```

item is Item 13, Docket Number 11-5-24-01,

2.3

being first duly sworn, was

examined and testified as follows:

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

2.3

I represent Phoenix Natural MR. NIX: Resources II Operating Company, LLC, which is the petitioner. For simplicity, I'll be just referring to them as Phoenix throughout my questions and answers that Mr. England gives here today. The petition we have before the Board is seeking to classify certain wells as shut in or temporarily abandoned. These are all relating to South Carlton Field in Clarke and Baldwin counties. The prefiled affidavit of notice in the docket -- the notice for the hearing was published in The Clarke County Democrat and also the Baldwin Times, the newspapers having the largest circulation in Clarke and Baldwin Counties respectfully, which is more than ten days prior to the date of the hearing. MR. ROGERS: Let me interrupt you, Jim. Let's see, on the affidavit here, look at

your affidavit of notice.

1 MR. NIX: Yes, sir. MR. ROGERS: You've got South Carlton. 2 I assume you mean Phoenix. 3 MR. NIX: Oh, that's my typographical 4 5 error then. I apologize on that. 6 MR. ROGERS: Why don't you when we get 7 through, just go through and strike through South Carlton and put -- yeah. 8 9 MR. NIX: You said that's in the 10 affidavit of notice? Oh, yes. 11 MR. ROGERS: You sent out the notice 12 properly but your affidavit's incorrect. 13 MR. NIX: I see, right. 14 MR. ROGERS: But the notice that you published is correct; is that right? 15 16 MR. NIX: That is correct, yes, sir. 17 MR. ROGERS: Why don't you -- when you 18 get through, why don't you just strike through 19 that and put your initials by it and put the 2.0 proper name. 2.1 I will. Thank you. MR. NIX: 2.2 apologize for that error.

23

877-373-3660 800.808.4958

I request that the affidavit of notice

Page 12 1 will be corrected and the proofs of publication be admitted into the record. 2 3 MR. ROGERS: The affidavit, when correct, is admitted but as we said, it needs to 4 5 be corrected. 6 MR. NIX: That's correct. 7 MR. ROGERS: Okay. Proceed. 8 MR. NIX: We prefiled a number of 9 exhibits, which Mr. England will be discussing 10 very briefly. 11 12 EXAMINATION BY MR. NIX: 13 Mr. England, are you familiar with the petition filed in this docket? 14 15 Α. Yes. 16 Are you familiar with the rules and Ο. 17 regulations of this Board? 18 Α. Yes. 19 Q. Have you previously testified before 2.0 the Board? 2.1 Α. Yes. What is your position with Phoenix? 2.2 Ο.

I'm the managing member of Phoenix

23

Α.

- responsible for operations in the South Carlton Field.
 - Q. Would you give a brief background of your history here?
 - A. Yeah. I have 22 years of oil and gas -- upstream oil and gas experience from Conoco Phillips to Hilcorp to starting up Phoenix originally that ultimately ended up becoming EP Energy that we sold in 2022 and then started up Phoenix again, so that's the basics of my experience.
 - Q. Has an affidavit of your qualifications been filed with this Board?
 - A. Yes.
 - Q. Have you previously been recognized as an expert in the field of petroleum engineering?
- 17 A. Yes, sir.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

18

19

2.0

- MR. NIX: I request that Mr. England be recognized as an expert in the field of petroleum engineering.
- 21 MR. ROGERS: He is recognized as an 22 expert.
- O. (By Mr. Nix) Are you familiar with

- all of the temporarily abandoned and shut in wells that are before the Board in this petition?
 - A. Yes.

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

2.3

- Q. Have you executed an affidavit in support of your petition?
 - A. Yes.
- Q. Did you personally prepare the exhibits which we've submitted to the Board?
- A. Yes, and under my supervision, but yes.
- Q. To the best of your knowledge, information and belief, do each of these exhibits accurately portray the matters and facts shown thereon?
- A. Yes.
 - Q. I direct your attention to Exhibit Number 1. Would you briefly describe what's depicted or shown on Exhibit Number 1?
- A. So we have 68 wells total in the field, 33 are producing, four are saltwater disposal wells, pressure -- seven pressure maintenance wells, and 23 temporarily abandoned

wells, and one shut-in well.

- Q. Do each of the temporarily abandoned and shut-in wells have substantial value to Phoenix and the other owners in South Carlton Field?
 - A. Yes.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

23

- Q. Please describe the current economic conditions in the South Carlton Field.
- Α. Well, as y'all know, we took over the field a year ago, basically one year exactly in October of last year, and so when we took over the field, the field was in pretty bad shape. We've had to go in and since then, you know, our biggest focus -- this is a waterflood and this is a waterflood that's never actually been waterflooded, which is the whole reason we bought the field, but our intention buying the field is to go out there and spend time and our focus, you know, getting water where it needs to be and getting more water where it needs to be and getting pressures up. But unfortunately, with the state of the field, we've been battling just failures.

So our biggest issue has just been failures, so when we took over this field, the failure rate was probably greater than two -- well, I know it's greater than two so meaning -- I say a failure rate greater than two. I mean every well fails more than two times a year, which is unacceptable, right, and it's hard to make any money doing that.

2.0

2.1

2.2

2.3

So what we've done and where our focus has been over the last year is we ran a rig continuously for a year and in some cases two rigs for a year and so we spent a lot of money fixing these wells to get our failure rate down and so we're shooting for a .5 failure rate. We need to see that we can achieve that. Frankly that's a bad failure rate. That's a well failing every two years. It really should be, you know, every four to five years but in the state of this field, we're currently shooting for a .5 hopefully to achieve better than that.

And so, you know, we've -- we've spent a lot of -- you know, a lot of money and I was

going to say a lot of money, we spent \$2.6

1 million on subsurface well work and all but 200 -- all but \$200,00 was spent restoring rate, 2 3 meaning there were wells that were producing when we bought it, you know, hopefully they 4 5 wouldn't fail. We could use that money and that cash to go in and do other things but we just 6 7 spent money redoing those wells and so -- but, of all the wells that we've worked on, we've 8 9 only had one failure and it was a very minor 10 thing and it annoyed me, but we had one very 11 minor failure we fixed in a day for very little 12 money, so we are seeing a much better failure 13 rate, which we don't have to spend money fixing 14 wells, and our goal after that is going to be, you know, focused on -- particularly next year 15 16 focused on getting water in the ground where it 17 needs to be to get our pressures up so we actually have a real waterflood because it's not 18 19 a real waterflood and unfortunately, I'd say the 2.0 failure for us, it's like, we want more water to 2.1 go underground, get pressures up, so we can get 2.2 actually out a real waterflood because that's 23 the true -- to see the true potential of this

field, other than just repairing wells, what we've done.

2.0

2.1

2.2

2.3

So keep in mind in repairing wells, before we -- before we bought this, the average rate in the field was about 250 barrels a day, and so about the three-month average before we bought it. The last three months we've been averaging about 360 barrels a day, so we're up 40 percent, so take our three-month average before and three-month average last, we're up about 40 percent.

What does that mean to the State?

That equates to 100 -- an extra \$120,000 a year in severance taxes and an additional \$40,000 a year in royalty payments over a one-year period. So -- and also at this rate at 360 barrels a day is about the highest rate the field has been, you know, in the last bunch of years and really in its history. In its history it's never been much above, so actually currently we're -- that's a three-month rate. We're up close to 400. Our goal is, you know, over 400 barrels a day in the field at the end of this year just

continuing to do well work. In fact, we have a well coming on today. It shows --

2.0

2.1

2.2

- Q. The well that's coming on today, is that one of the wells that we have covered by this -- our petition asking for temporarily abandoned status?
- A. Yes, it is. It's actually one of the wells that we're asking for temporary abandoned status in here. It wasn't sure if we were going to be able to get it back. Frankly it took a little work. It's the Wall D-1. It's on this list and we're actually bringing that well on today, so we were able to get it -- get that well fixed and cleaned out and bringing it on, so that's actually supposed to be a pretty good well for us historically in the field and that's the reason we frankly spent the time and effort to work on so much time on that well.

We've added three wells to the T and A list over the last year, so that's the C. O. Oswald 11-12 number five. We actually did put a rig on that well. It does have some shallow casing issues. It will require a squeeze job.

We do intend to go back and fix that -- I mean, frankly, I've already spent all the money on tubing and pump and everything else. I just need to go back over there and work on that well.

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

2.3

- The other well is the Scott 9-16.

 It's a cross-flow well. When I say cross-flow, so a mixture -- this field -- the Pilot is the reservoir we're trying to waterflood and there's three main reservoirs, the Massive, the Pilot, and the Utah, and two of them, the Massive and the Utah, are strong water drive reservoirs.

 The Pilot is the real upside in the field. It has to -- it meets the waterflood and needs to be pressurized. We need water coming out of the Massive and the Utah to put back into the Pilot.
- So -- but there are some wells historically that have been completed in both the Pilot and the Massive and those wells are crossflow. I mean, if you leave it shut in, you have -- you know, normally pressure 2,400 pounds here and depending on where in the field you are, you have anywhere from 300 pounds to 1,500

```
1
     pounds here, it's going to crossflow and so
     we're leaving that well currently shut in as
 2
 3
     a -- as a crossflow well. We may at some point
     in the future, I feel like almost certainly at
 4
 5
     some point in the future, convert it to a Pilot
     producer and attempt to -- and produce at that
6
 7
     well but for now, it's on the T and A list.
     We're leaving it there as a crossflow well.
8
9
               The other well was the Emma Williams
     "B" one SWD well
10
11
               MR. ROGERS: Jim, so are you just
12
     going to take this well by well, is that --
13
               MR. NIX: No, no, sir. Mr. England
14
     just wanted to point out the three wells that
     were not on last year's list that are now on
15
16
     this year's list and explain why they were on
17
     there.
18
               MR. ENGLAND:
                              Why, why, yeah.
19
               MR. ROGERS:
                             All right.
2.0
               And so the Emma Williams "B" one SWD,
          Α.
     we put a rig on it. It does have some casing
2.1
2.2
     issues and it's going to require a squeeze job.
```

877-373-3660 800.808.4958

We do intend to turn that well or fix that well

23

and put it back to an SWD well.

2.0

2.1

2.2

- Q. Mr. England, I direct your attention to Exhibit Number 2. It's on page 22 of the exhibit book. Does Phoenix have plans for each of the temporarily abandoned wells/shut-in well that are listed -- that we're asking the Board to consider today?
- A. Yes. Our plans for each of these wells are detailed in Exhibit 2. I'm happy to talk about any one of them if you would like but they're all detailed -- all of the plans are detailed in Exhibit 2.
- Q. I'll direct your attention to Exhibit Number 3, which is on page 23 of the exhibit book. What -- what's shown by this exhibit?
- A. Exhibit 3 sets out their plans on the temporarily abandoned and shut-in wells over the next couple of years. So the same thing, our plans are laid out here. I'm happy to discuss any specific ones if -- if somebody would like to.
- Q. Would you discuss your plans for the next couple of years -- the rest of 2024 and

2025 for these wells?

2.0

2.1

2.2

A. Yeah. So 2024, as I mentioned D-1, which is one of the wells that's currently on the list, we're bringing it on today. We have the Barbour 16-11, which is currently on the list. We expect to get it on this year in 2024 and then in 2025, our focus in 2025 as I talked about it a minute ago is going to be repressurization. So we fixed -- we fixed, you know, a lot of wells and got them to get our failure rate down so now we're just -- our focus will be to -- our focus is going to be rate restoration of the Pilot but we need water from the Massive and Utah, and so there are some specific projects that we want to do.

The Wall C-2, which was produced from the Utah, we want to recomplete. We do have an approved permit. There's some discussion around that that's on the side but on the Wall C-3, we're going to recomplete it down to the Massive and then produce the Utah from the C-2 and then take all of that water and move it to the south side of the field to -- where the pressures are

the lowest pressure, repressure that up down there, and then we're going to walk on that Oswell 11-12 number five, which I mentioned we worked on but had some casing issues.

2.0

2.1

2.2

We're going to work on the 10-1 -- the Barbour 10-1 and the 9-16 and then we're going to study the other 15 wells that make up the list and make a well-by-well decision on each one of them. Most of those wells -- most of those wells will require fishing jobs and/or squeeze work, so.

- Q. Does Phoenix have any plans to plug and abandon any wells within the next few years?
- A. No. All of these wells have future utility and it's premature to plug any of these wells and it would constitute waste and the reason is, if we work on a well and we detinue it, we can't fix it, we will plug it but we need -- we just need time to get out and look at these wells and look at them because frankly, the records -- the records from the prior operator weren't very good and we -- when we get on a well, we can figure out what's really going

on but we need a chance to actually put a rig on
it to figure out what the issues are and then
make a decision what to do with it going
forward.

- Q. I direct your attention to Exhibits 4 and 5. What's shown on these two exhibits?
- A. Exhibit 4 is a compilation of the data for these wells required for the T and A shut-in request questionnaires, including wellbore schematics for each of the temporarily abandoned and shut-in wells.
- Q. Are the 23 wells for which we're requesting temporarily abandoned status capable of producing --
 - A. No.

5

6

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

23

- Q. -- other than that one well that you think will be coming on today?
- A. No. Each of the wells, we are currently requesting T and A status for will need a workover. As I've mentioned, most will require fishing jobs. Some will require some squeeze work. We need to get on each of these wells with a rig and see what -- what we need to

1 do next.

2

18

19

2.0

2.1

2.2

- Q. Do these 23 wells have future utility?
- 3 Α. Yes. All of these wells -- we are planning to repair 11 of these wells and place 4 them back under production. We are planning to 5 6 convert four of these wells for injection 7 purposes. We're planning to continue to crossflow seven of these wells. Now, I do say 8 9 with the crossflow wells, that's going to change 10 over time, you know, we'll -- may let them 11 crossflow for a while and then eventually make 12 them an injector or producer and we're planning 13 to restore the Emma Williams "B" one SWD well to 14 an SWD well as I mentioned earlier and we're planning to produce the Wall C-2 from the Utah 15 16 after we recomplete the Wall C-3 down to the 17 Massive.
 - Q. We've requested that the J. H. Wall Estate, et al. C two well, permit number 16547 be classified as shut in. Is this well capable of production?
 - A. Yes.
- Q. Would you explain why it is not being

produced?

1

2

3

4

5

6

7

8

9

10

11

12

15

16

17

18

19

2.0

2.1

2.2

23

- A. The Wall C-2, it was taken out of service during April 2015 pursuant to the order number 2015-33 to allow the Wall C-3 to produce from the Utah Upper Tuscaloosa Sand oil pool. Both of these wells are completed in the same pool on the same 40-acre unit. Yeah, we would love to produce both of them at the same time but they're both in the same 40 acres, so that's why we want to recomplete the C-3 counting to the Massive so we can produce the C-2 and the Utah.
- Q. What are shown by Exhibits 5 through 28?
 - A. These exhibits are wellbore schematics pertaining to the 24 temporary abandoned wells and shut-in wells.
 - Q. Are each of the temporarily abandoned and shut-in wells in safe condition and in compliance with the rules and regulations of this Board?
 - A. Yes.
 - Q. Do any of these wells pose any hazard

to the environment in their current state?

A. No.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

- Q. Are the leases covering the units for these wells still in force and effect?
 - A. Yes.
- Q. Does Phoenix have a plugging bond on file with the Board to ensure the proper plugging and abandonment of these wells?
 - A. Yes.
- Q. In your opinion, will the granting of the relief requested in the petition filed in this docket prevent the premature plugging of this temporarily abandoned waste -- excuse me, prevent the temporary plugging of these temporarily abandoned and shut-in wells?
 - A. Yes.
- Q. Will the granting of said relief encourage the development, production, and utilization of the natural resource of the state of -- the oil and gas of the State of Alabama?
 - A. Yes.
- Q. Will the granting of said relief
 ultimately result in the recovery of more oil

- 1 and gas from the South Carlton Field?
 - A. Yes.

2

3

4

5

6

8

9

10

11

18

19

2.0

2.1

2.2

- Q. Will the granting of the requested relief prevent waste as defined by the Code of Alabama and the rules and regulations of this Board?
 - A. Yes.
- Q. In your opinion, will the granting of said relief safeguard, protect, and enforce the correlative rights of all owners of hydrocarbons in the field?
- 12 A. Yes.
- MR. NIX: Mr. Rogers, that's all the questions I have for this witness and I tender him to the Board for further questions.
- MR. ROGERS: Any questions from the staff? Mr. Patterson.
 - MR. PATTERSON: I have two quick questions. The first one is when you say when you come to a well that cannot be fixed and you'll P and A the well, will that be done right then or later on?
- MR. ENGLAND: It would probably --

```
1
     that's a good question. I would say it wouldn't
 2
     be done right then because I'd like to probably
 3
     put a couple of wells together and then get out
     some P and A work and then have them come in
 4
     there and do it all at one time, so I don't
 5
     think we would use the existing rig that we're
 6
 7
     running down there to P and A that well
     immediately. Does that make sense?
8
               MR. PATTERSON:
9
                                It does.
               MR. ENGLAND: Yeah.
10
11
               MR. PATTERSON: My second question is:
12
     Looking at your plan of workover activities for
13
     '23-'24, you had 22 wells listed, which are the
14
     same wells that are on your '24-'25 list for
     planned over workover activities with the
15
16
     addition of two but you have one back on
17
     production today, so that's still a negative
18
     loss of one. You explained why that -- why that
19
     happened and -- but you told us last year that
2.0
     you were going to put these wells on -- that was
     your planned workover from last year.
2.1
2.2
               MR. ENGLAND:
                              That's right.
23
               MR. PATTERSON: Now you're saying it's
```

- 1 | your plan of workover for this year.
- 2 MR. ENGLAND: That's right.
- 3 MR. PATTERSON: So just for the next
- 4 | year, we would like to see, you know, some
- 5 | movement on these listed --
- 6 MR. ENGLAND: I want to see that too
- 7 | because I -- I mean, frankly, it's -- we need
- 8 | the production, right. We need to make more oil
- 9 and if I would have not gone down, we would have
- 10 been making more oil than we are. Now, we did
- 11 | add oil rate, you know, we went from 250 barrels
- 12 a day to 360 barrels a day, right, so we
- definitely added oil rate in the field but we
- 14 | did go -- basically go backward one well and I
- 15 | completely agree. I want to see improvement
- 16 | myself and that is our goal.
- 17 MR. PATTERSON: All right. Just we're
- 18 keeping track of these.
- 19 MR. ENGLAND: Yeah, I understand.
- 20 MR. ROGERS: Any other questions,
- 21 Mr. Patterson?
- MR. PATTERSON: No, sir.
- 23 MR. NIX: Mr. Rogers, we would request

```
1 | that Exhibits 1 through 28 and the prefiled
```

- 2 affidavit of this witness be received in
- 3 | evidence as part of the record of this
- 4 hearing.
- 5 MR. ROGERS: All right. The exhibits
- 6 are admitted except the affidavit of notice that
- 7 | you're going to correct. All right. The staff
- 8 has no -- any other questions?
- 9 DR. TEW: No.
- 10 MR. ROGERS: If the staff has no other
- 11 questions, then we will review the evidence and
- 12 make a recommendation to the Board.
- MR. NIX: Thank you.
- MR. ROGERS: Here, why don't you --
- 15 | let's just do this now.
- MR. NIX: Yeah.
- MR. ROGERS: So if you'll put the
- 18 | correct name and initial it.
- MR. NIX: I'll step over there so
- 20 | y'all can continue on.
- MR. ROGERS: Yeah, it shouldn't
- 22 | take -- go ahead, you can step over there. You
- 23 | shouldn't -- we'll just wait. I won't take but

Page 33 1 a second. MR. NIX: Okay. 2 3 MR. ROGERS: Chad, I hope you can get time to vote. I don't know how you're handling 4 5 that. MR. ENGLAND: Oh, I -- I've already 6 7 voted. MR. ROGERS: You voted absentee? 8 9 MR. ENGLAND: No, I -- yeah, you know, 10 early --11 MR. ROGERS: Early voting or whatever 12 they call it. 13 MR. ENGLAND: Yes, sir, early voting, 14 no problem. 15 DR. TEW: We also wish you luck with 16 everything. We want to see you get more oil out 17 of the ground too. 18 MR. ENGLAND: Yes, sir. No, I mean, 19 it's -- I wish we spent \$2.6 million moving 2.0 water instead of fixing wells to be -- to be frank and so I intend to the next year, you 2.1

877-373-3660 800.808.4958

know, our goal is 400, you know, over 400 at the

end of this year and then next year I really

22

23

```
1
     want to focus on doing what we intend to do,
     which is prove -- you know, frankly disprove, I
 2
 3
     hope that's not the case, our reservoir thesis
     and actually get pressure back up in the field
 4
 5
     and actually waterflood this field.
                                           I mean,
     it's been there seven years and you just don't
6
 7
     see waterfloods that are, you know, six-,
     eight-percent oil cut. That's unheard of.
8
9
     doesn't happen. I mean, you know, especially
     that late in life, it's -- there's only one
10
11
     reason it's still there is because it's very
12
     hard to operate down there, right, and you know,
13
     and the people that owned it in the past but the
14
     oil is there. That's not the question.
                                               It's
     just can we economically get it out and I
15
16
     believe we can. That's why we, you know, bought
17
     the field and frankly why we spent a lot of
18
     money in the field and will continue to do so.
19
               MR. ROGERS: That area flooded --
2.0
     didn't it flood this last year? I know from
     time to time --
2.1
2.2
                             Yes, sir, it was
               MR. ENGLAND:
     flooded for about --
23
```

```
MR. ROGERS: -- it floods down there it's so low to the Alabama River. It's right out the -- just right out there next to it, isn't it?

MR. ENGLAND: It is. We were -- we --
```

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

23

the only time we didn't run a rig last year was about a two- to three-month period from about mid-January to mid-March or so off and on, we didn't -- we didn't run a rig. Other than that, we were working the entire time spending money, you know, getting -- you know, fixing things and getting the rig up and it's not -- I'm talking about subsurface stuff but man, you know, I'm sure you've talked to Jeremy Williams and Josh Young, the inspectors out there. We have done a lot of surface work and work cleaned up. I mean, I mentioned this last year, we hauled 450 gross tons of steel out of that, you know, recycled. Luckily steel was a lot higher price last year and we made some money off of it. It's bad now.

MR. ROGERS: Do y'all barge the oil out, is that how you do it?

```
1
               MR. ENGLAND: We do, yeah. We barge
     the oil out.
 2
               MR. ROGERS: The barge just comes
 3
     right up there to the --
 4
 5
               MR. ENGLAND: It comes right up the
     river, docks. We load it on the barge and it
6
 7
     goes down. It's been a -- I mean, frankly,
     that's been a -- our issue recently is the
8
9
     dang -- the water level has been so low, we've
10
     had, you know, as everybody knows, no rain and
11
     it's --
12
               MR. ROGERS: It's pretty dry up there
13
     now, isn't it?
14
               MR. ENGLAND: Well, it's raining this
     week but it's been dry, dry, which is frankly
15
16
     good for work but it's hard to barge oil
17
     whenever the river -- you know, the river has
18
     been very low and that's been our biggest
19
     challenge. Our ultimate goal is to build a
     trucking station and we will. I think it will
2.0
     be -- unfortunately, I think it will be a 2026
2.1
2.2
     project but we're going to build a trucking
```

station. We're going to pipe everything --

2.3

Veritext Legal Solutions 877-373-3660 800.808.4958

```
basically eliminate all the surface facilities
down in the field, pipe it all up out of the
field and truck everything out of that field and
```

- completely get off of -- get off of barge. So
 that would be a huge win in that field, so thank
 y'all for your time.
- 7 MR. ROGERS: Good luck with it.
- B DR. TEW: Thank you.
- 9 MR. ENGLAND: Yeah.
- MR. NIX: Mr. Rogers, Dr. Tew, and the staff, I apologize again for my typographical error there. I apologize to all the members for

holding everybody up on that. 10:30 a.m.

- 14 MR. ROGERS: It's fine.
- DR. TEW: Jim, I just now realized
- 16 you're a human.
- 17 MR. ENGLAND: I'll take it out of his
- 18 fees.

13

- 19 MR. ROGERS: Hey, Jim, I have a change 20 in the order I might as well leave you.
- 21 MR. NIX: Okay. Thank you and I'll
- 22 make that change with the Board and lumber.
- MR. ROGERS: Just send it back by

1	email.
2	All right. The next item then is
3	we've got a number of items by Land and Natural
4	Resource Development, Incorporated, Item 14,
5	Docket Number 11-5-24-02.
6	MR. WATSON: Mr. Rogers, I'm Tom
7	Watson representing Land and Natural Resources.
8	In this first item, I have a witness. I'd ask
9	that he be sworn in.
10	MR. ROGERS: All right. If you'll
11	stand and state your name and address.
12	MR. SANDERS: R. G. Sanders,
13	Tuscaloosa.
14	MR. ROGERS: Raise your right hand.
15	
16	R. G. SANDERS,
17	being first duly sworn, was
18	examined and testified as follows:
19	
20	MR. ROGERS: Thank you.
21	MR. WATSON: Mr. Rogers, can we
22	consolidate these contiguous items for our

23

877-373-3660 800.808.4958

hearing purposes and I'll go through each one of

Page 39 1 them? MR. ROGERS: We can just -- we'll say 2 3 they're consolidated. 4 MR. WATSON: All right. MR. ROGERS: All the land items are 5 6 consolidated. 7 MR. WATSON: All right. 8 9 EXAMINATION BY MR. WATSON: 10 Mr. Sanders, are you familiar with the O. 11 petitions that we have filed on behalf of Land 12 and Natural requesting the Board to extend the 13 temporary abandonment status of several wells in several fields? 14 15 Yes, I am. Α. 16 Have you appeared before this Board Ο. 17 and have you on file an affidavit of your qualifications as a petroleum engineer? 18 19 Α. I have. 2.0 MR. WATSON: Mr. Rogers, I tender

877-373-3660 800.808.4958

MR. ROGERS: He is recognized as an

Mr. Sanders as an expert witness for giving

testimony in these items.

2.1

2.2

23

- 1
- 2 Just take them one at a time, Tom, so
- 3 we don't get too confused.
- MR. WATSON: Jennifer, these are the 4
- 5 original ones. They are unstapled for your
- scanning purposes. This is the first item 6
- 7 that's unstapled. Mr. Rogers, if you would take
- one of these and pass them down. 8
- 9 MR. ROGERS: Why don't we just do one
- 10 at a time, Tom, so we don't have ten pieces --
- 11 MR. WATSON: I'm going to do one field
- 12 at a time.
- 13 MR. ROGERS: You've got two and then
- 14 three here.
- 15 MR. WATSON: Oh, okay, hand me that
- 16 one back.
- 17 MR. ROGERS: Oh, yeah, now so we're
- 18 going to hand -- we'll keep -- we'll keep this
- 19 one and one more and we'll hand out the rest.
- 2.0 Okay, sure. Thank you. MR. WATSON:
- You have 02; correct? 2.1
- 2.2 MR. ROGERS: We do. We have 02.
- 2.3 MR. WATSON: All right, okay.

MR. ROGERS: The first item -- I'll
just call it out -- is petition by Land and
Natural requesting the Board to extend the
temporary abandoned status for the Gardner 4-15
well in Yellow Creek Field.

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

- Q. (By Mr. Watson) All right,
 Mr. Sanders. I've marked as an exhibit in this
 particular docket item that Mr. Rogers has
 called and he's named the well, the Gardner 4-15
 number one, in the Yellow Creek Field. What is
 the situation with that well and why are we
 asking it be temporarily abandoned and the
 continuation of that matter?
 - A. Well, it's uneconomic to produce due to low production rates and low prices.
 - Q. And what are your plans for this well and does it have future utility, Mr. Sanders?
 - A. Future utility, it has a plug back possibility for the Chandler Sand.
 - Q. Okay. And what would it take to put this well back on production?
- A. Well, we would have to recomplete into the Chandler and then equip it to pump to make

1 water.

8

9

10

11

12

13

14

15

- Q. Okay. And do you have plans for that and would it be premature to plug this well,
- 4 Mr. Sanders?
- 5 A. Say it again.
- Q. Would it be premature to plug this well?
 - A. Yes, it has -- it has future utility.
 - Q. Okay. And I will ask this question one time and not have to repeat it each time on each well: Will the granting of this extension of the TA status of this well, the Gardner 4-15 number one, prevent waste and protect correlative rights?
 - A. Yes.
- Q. And is the well in a safe condition and not a threat to the environment?
- 18 A. It is, that's correct.
- MR. WATSON: That's all we have on this item, Mr. Rogers.
- MR. ROGERS: We'll just go through
- 22 each one and see if we have questions.
- 23 Questions On this one, Mr. Burns?

```
1
     Mr. McQuillan?
               MR. MCQUILLAN: Mr. Sanders, the
 2
 3
     questionnaire -- in the questionnaire you show
     that last production was in October of 2012?
 4
               MR. SANDERS:
 5
                              Yes.
6
               MR. MCQUILLAN: And what is your time
 7
     line to produce this well or recomplete it or
     attempt to produce it.
8
9
               MR. SANDERS:
                             Well, it's on our list
10
     to do and whenever we get down to it, we will.
11
     I don't have a time line.
12
               MR. MCQUILLAN: Nothing for sure right
13
     here, yeah. So 12 years inactive, have you got
14
     any clue? I mean, any -- are you thinking in
15
     the next three years? Can you narrow that down?
16
                              Well, I'll give you a
               MR. SANDERS:
17
     prospective date would be 2025, next year.
18
               MR. MCQUILLAN: So hopefully in 2025,
19
     all right. You, Terry?
               MR. BURNS: I think for the record it
2.0
     would be necessary to reference Exhibit 2, the
2.1
2.2
     well inventory that was submitted on the back
```

23

here.

1 MR. WATSON: All right. 2 MR. BURNS: On the last page, it 3 states the summary of these statuses and it shows the total of 175 wells. I just wanted to 4 5 point out there are 175 records that are shown here but a good many of these are duplications. 6 7 For example, I assume this probably came from our website; is that correct? If a well 8 9 produces -- say it's commingled, hypothetically 10 a Carter and a Lewis, when you do a -- when you 11 download, that will show the Carter as a well 12 and the Lewis as a well. 13 So just for the record, there's --14 when it says 175 wells, that's really not 175 15 wellbores.

MR. SANDERS: Yeah, that is correct.

MR. BURNS: Okay. You don't -- do you have a figure as to how many wellbores your company operates?

16

17

18

19

2.0

2.1

2.2

23

MR. ROGERS: Is that something you could do, Jerry, if you could make an exhibit and just have just a number of wells where the wellbores. That's what we're looking for on

1 that exhibit.

2.0

2.1

2.2

MR. SANDERS: Well, I thought we had answered your question that you asked three or four different times in different ways about listing these wells but if there's other things you need done, let us know, we'll try to go through that. Of course, all of this information is on y'all's website too.

MR. ROGERS: I know. We just -- when you have a lot of wells with different operators, we do like we did for Phoenix and have them list -- tell us the total number of wells so we have a shortcut so we'll know the total number of wells, wellbores, and the other information so.

DR. TEW: And there's an easy to do that, just sort it on permit number and there will be two permit numbers that are the same like together and eliminate one of them.

MR. WATSON: Sure. If you're asking for simplicity, we kind of did an overkill on this exhibit; is that right, Dr. Tew?

DR. TEW: I was just following up on

```
Page 46
1
     what Mr. Burns said that there's an easy way to
     sort it out.
 2
 3
               MR. WATSON: Yeah.
               MR. ROGERS: I guess you would call it
 4
     overkill.
5
6
               DR. TEW:
                         Duplications.
 7
               MR. WATSON: Yeah, yeah.
               We will revise -- we will revise that
8
9
     exhibit following your guide there, Dr. Tew, but
     there's nothing wrong with this exhibit.
10
11
     just not in the form that you want it.
12
               DR. TEW: That's it.
13
               MR. WATSON:
                             And we'll --
14
               DR. TEW: I'll just follow up.
15
               MR. WATSON: And we'll stipulate to go
16
     along with the suggestion that Mr. Burns has
17
     made.
18
               DR. TEW:
                          Thank you.
19
               MR. WATSON:
                             Thank you.
2.0
               MR. ROGERS: Anything else on this
     item, Mr. Watson?
2.1
2.2
               MR. WATSON: No, sir.
23
               MR. ROGERS: Anything -- any other
```

Veritext Legal Solutions 877-373-3660 800.808.4958

1 | questions you have?

MR. BURNS: No other questions.

MR. ROGERS: The staff will review the evidence and make a recommendation to the Board.

The next item then is Item 15, Docket Number 11-5-24-03, petition by Land and Natural relating to the South Coal Fire Creek Oil Field.

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

23

2

3

4

5

6

7

EXAMINATION BY MR. WATSON:

- Q. This petition, 11-5-24-03, is requesting extension of the TA status in the South Coal Fire Creek Field of the Ferguson 35-12 number one, Mr. Sanders. Tell us of these -- tell us about the situation in this well and what your plans are for this particular well.
- A. This well was drilled and logged and the results from the log was suspect so its completion was delayed and still is. The next step we have to do is to run casing and make an attempt at a completion under the Pottsville A.
- Q. And Land and Natural has been successful in going back into this Pottsville A

- 1 and making -- and making wells, have they not?
- A. Yes, you have. As we've gone through
 the years, we've learned lots of stuff about the
 Pottsville A.
 - Q. And what is the time frame for this particular well?
 - A. We'll do this in 2025.

5

6

7

8

9

10

11

12

- MR. WATSON: All right, sir. I'd ask that you receive this exhibit into the record of this hearing on the South Coal Fire Creek Ferguson 35-12 number one well, Mr. Rogers, and tender the witness for any questions you have.
- MR. ROGERS: All right. The exhibits are admitted.
- Any questions from the staff?
- MR. BURNS: (Shakes head.)
- MR. ROGERS: The staff has no more
- 18 questions. Anything Mr. Watson, anything else?
- MR. WATSON: That's all.
- 20 MR. ROGERS: We will review the
- 21 evidence and make a recommendation to the Board.
- The next item then will be, let's see,
- 23 Item 16, petition by Land related to McCracken

- 1 | Mountain Field.
- 2 MR. WATSON: The McEvers 19-9 well in
- 3 | McCracken Mountain Field is the subject of this
- 4 particular hearing.

5

6

EXAMINATION BY MR. WATSON:

- Q. Mr. Sanders, let's look at your
- 8 exhibit questionnaire on the McEvers 19-9 well.
- 9 A. It's temporarily abandoned because
- 10 | it's uneconomic to produce due to low production
- 11 | rates and the price.
- 12 Q. Okay. And what are your plans for
- 13 | this well for the future of this well,
- 14 Mr. Sanders?
- 15 A. We have -- it has potential for a plug
- 16 back to the Gilmer Sand, so that's what our plan
- 17 | would be to move out of this on.
- 18 Q. All right. And what would it take to
- 19 put the well on production?
- 20 A. It will take a completion in the
- 21 Gilmer, which would require perforating,
- 22 | fracking, and equipment to produce.
- 23 Q. And does the Gilmer have potential for

1	producing?
2	A. According to our geologist, it does.
3	Q. Okay. And when would be the time
4	frame for this work on this particular well,
5	Mr. Sanders?
6	A. 2025.
7	MR. WATSON: Okay. I submit the
8	questionnaire exhibit in this matter and submit
9	Mr. Sanders to the Board for any questions you
LO	have.
L1	MR. ROGERS: Any questions from the
L2	staff about the well in McCracken Mountain
L3	Field?
L 4	MR. BURNS: No.
L5	MR. ROGERS: The staff has no
L6	questions. We will review the evidence and make
L7	a recommendation to the Board.
L8	The next item then is petition by Land
L9	and Natural Resource Development, Incorporated,
20	related to the Woolbank Creek Field, Item 17,
21	11-5-24-05.

23 EXAMINATION BY MR. SANDERS:

22

- Q. Are you familiar with the Woolbank Creek Field, Mr. Sanders?
 - A. Yes, sir.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

- Q. We have two wells in this field for which you have submitted a questionnaire on and let's take the A. R. Mack 13-12 number one well first. What's the situation of this well?
- A. Well, it's closed in. It's uneconomic to produce due to low production rates and low gas prices.
- Q. Okay. And what do you have to do to get this well back on production?
- A. Well, it has plug back potential in some of the Upper Pottsville Sand, which according to the Oil and Gas Board, all of those sands are allowed to be commingled, so it requires adding some of those sands and testing it.
- Q. Okay. And when would you plan to do that on this particular well?
- A. 2025.
- Q. All right, sir. The second well in this field, Woolbank Field, is the W. B.

- Robinson 11-15 number one. Tell us about the status of that well.
- A. It's closed in, uneconomic to produce due to low production rates and gas prices.
- Q. All right. And what is the plan for this well?
 - A. It has potential plug backs into the Upper Pottsville Sands, which we plan to do in the year 2025.
- MR. WATSON: All right, sir. That's all we have on these two wells in the Woolbank Creek Field, Mr. Rogers. Are there any
- 13 questions of Mr. Sanders?
- MR. ROGERS: Any questions from the staff on the Woolbank Creek wells.
- MR. MCQUILLAN: Jerry, would that be in 2025 also potentially?
- 18 MR. SANDERS: Yes.
- MR. ROGERS: Mr. Burns.
- MR. BURNS: That was my question
- 21 too.

7

8

9

- MR. ROGERS: That's your question too,
- 23 okay.

1 Anything else, Mr. Watson?

2 MR. WATSON: No, sir.

MR. ROGERS: The exhibits are admitted. The staff will review the evidence and make a recommendation to the Board.

The next item then is Item 18, Docket Number 11-5-24-06, and that is related to Beaverton Field, petition by Land and Natural.

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

23

3

4

5

6

7

8

EXAMINATION BY MR. WATSON:

- Q. There are two wells in the Beaverton Field, Mr. Sanders, for which we have filed questionnaires and let's go through those starting with the Ogden 10-4 well. Tell us about the status of that well.
- A. The Ogden 10-4 is shut in. The pipeline was disconnected by the purchaser of the Northwest Gas District back a few years ago when -- to put it back on production when we need to combine it with the other well, install compression and dehydration, and we're planning to do that next year.
 - O. Okay. And is the other well in this

- 1 | field, the Delaney 11-5 that you referred to?
 - A. Yes, it is. They're close by connected by a pipeline -- a common pipeline.
 - Q. Okay. And is this well -- you can't produce the well because you don't have a pipeline connection; right?
 - A. That is correct.
 - Q. And what's the future of this well?
 - A. Connect it to -- connect it up to the pipeline and continue to attempt to produce from the same zone.
 - Q. What is the latest information from the Northwest Alabama Gas District as to when they might be connecting these wells?
 - A. They're waiting on us.
 - Q. Okay.

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

23

- A. They're ready for us to hook it up again but they want both wells commingled -- not commingled but combined so that there would be one meter station servING both of them.
- Q. So would we have to come to this Board in order to commingle the production from those wells?

- A. No, it won't be commingled. It will just be a single -- a sales point.
 - Q. A single sales point?
 - A. The wells would be monitored -- they will be measured separately.
 - Q. All right. That was my point getting to that point. So you can produce both wells to a single sales point and allocate to each well and the unit thereof the production from those wells, thus protecting the coequal and correlative rights -- when I say coequal -- the correlative rights of those owners in those two units; correct?
- 14 A. Correct, yes.
- Q. And when might that occur,
- 16 Mr. Sanders?

3

4

5

6

7

8

9

10

11

12

13

- 17 A. Do that in year 2025.
- 18 MR. WATSON: All right. I have no
 19 further questions of this witness on this item,
- 20 Mr. Rogers. I tender him for questions.
- 21 MR. ROGERS: Any questions about the
- 22 Ogden and Delaney wells? It's good news that
- 23 you're going to be able to produce those wells.

```
1
               MR. WATSON: Yes. He said good news
     if you're going to be able to produce those
 2
 3
     wells.
               MR. SANDERS: Hey, man, both of those
 4
     wells made lots of gas and there's still gas
 5
6
     there.
             I think we should.
 7
               MR. ROGERS: Just as an aside, we --
     for about two years, we heard plenty about the
8
9
     Ogden family and the Delaney wells. That was
     the ones that Local and Steve Lewis family
10
11
     owned.
12
               MR. WATSON: Yes, yes.
13
               MR. ROGERS: And we got to know a lot
     of the Ogden family --
14
15
               MR. WATSON: Yes.
16
               MR. ROGERS: -- involved in that.
17
               MR. WATSON:
                             Yes.
               MR. ROGERS: They're not hard to find.
18
19
               Anything else, Mr. Watson?
2.0
               MR. WATSON:
                            No, sir.
2.1
               MR. ROGERS:
                            We will review the
     evidence and make a recommendation to the Board.
2.2
23
               The next item then would be Item 19,
```

- 1 Docket Number 11-5-24-07 and that relates to
- 2 | Coal Fire Creek Field. Mr. Watson.
- 3 MR. WATSON: Let me find my separating
- 4 sheet.

5

6

EXAMINATION BY MR. WATSON:

- 7 Q. Mr. Sanders, we have one well in the
- 8 | Coal Fire Creek Field for which we're asking for
- 9 temporary abandonment status and that's the
- 10 | Shelton 17-8 number one well. What's the
- 11 | situation of this well?
- 12 A. This well has been shut in because of
- excess water production and also the pipeline
- 14 | was broke in between it and the 12 point, we've
- 15 got to have that fixed, in an attempt to put the
- 16 | well back on.
- 17 Q. How much gas has that well produced,
- 18 Mr. Sanders?
- 19 A. Four -- four billion feet.
- 20 Q. Four billion cubic feet of gas?
- 21 A. Yes.
- Q. So it's safe to say that this well may
- 23 have other potential to produce more gas?

A. Yes, it does.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

- Q. Okay. And you are awaiting a pipeline connection before you put that on. So what's the determining factor as to when that pipeline will be corrected in order to produce this well?
- A. Well, it's just a matter of us connecting it back to the pipeline. We will do that next year.
- Q. All right, sir. Even at these low gas prices -- at that -- at those volumes, that's an attractive well, is it not?
- A. Yes.
 - MR. WATSON: I have no further questions of this witness on this item,
 Mr. Rogers. I tender him.
- 16 MR. ROGERS: Any questions from the 17 staff about the Coal Fire Creek Field well?
- MR. MCQUILLAN: No.
- 19 MR. ROGERS: No questions. We will
 20 review the evidence and make a recommendation to
 21 the Board.
- I'll just note that all the exhibits
 that have been submitted on all the Land items

- 1 have been admitted and are admitted.
- The next item then is Item 20, Docket
- Number 11-05-24-08, related to McGee Lake Field.

4

5

6

7

8

9

10

11

12

13

EXAMINATION BY MR. WATSON:

- Q. Mr. Sanders, McGee Lake Field has one well that we're asking for TA status on. That's the J. A. Stacy 19-13 number one. What's the situation with the Stacy well?
 - A. Well, the Stacy well is going to require some compression to put it back online and that will be something we'll schedule to do next year.
- Q. Okay. Just putting a compressor on the line?
- 16 A. Yes.
- Q. Okay. And that's the only thing? The pipeline is connected?
- 19 A. Yes, that's right.
- Q. All right. So this well has future
 utility and future economic benefits to all
 parties as soon as that compressor can be put in
 place; correct?

```
1 A. That's right.
```

- Q. And again, when do you plan to put
- 3 | that compressor in?
- 4 A. 2025.
- 5 MR. WATSON: All right. I have
- 6 nothing further on this item, Mr. Rogers.
- 7 DR. TEW: Mr. Sanders, just a question
- 8 for clarification here on cumulative production,
- 9 you said 11.7 BCF; is that right?
- MR. ROGERS: Wow.
- 11 MR. SANDERS: And there's a
- 12 | considerable amount left.
- MR. WATSON: That was the previous
- 14 | well, Dr. Tew.
- DR. TEW: What's that?
- MR. WATSON: That was the previous
- 17 | well. This well --
- 18 MR. BURNS: The Stacy?
- MR. WATSON: The Stacy.
- 20 DR. TEW: The Stacy -- I'm looking at
- 21 the Stacy.
- MR. WATSON: Oh, okay. I'm sorry,
- 23 | 11.7.

```
Page 61
 1
               DR. TEW: 11.7 BCF.
 2
               MR. WATSON:
                            The other one was BCFs
 3
     too.
               MR. MCOUILLAN:
                                I believe this well
 4
 5
     set a record for North Alabama -- highest
6
     producing gas well in North Alabama.
 7
               MR. WATSON: He said the highest
     producing gas well in North Alabama.
8
9
               MR. SANDERS: Yes, uh-huh. There's
10
     got to be some left.
11
               MR. ROGERS: Do you know this, Jerry,
12
     back when we had those P over Zs, so I guess
13
     when it was -- when the bottomhole pressures and
14
     the estimated production must have been off the
     chart. Do you know what it's -- what does it
15
16
     anticipate originally to produce? Do you have
17
     any idea?
               MR. SANDERS: No, I have no idea.
18
19
     don't -- I didn't review that to see.
2.0
               MR. ROGERS: That's all right. I was
     just curious. It's a remarkable well, isn't it?
2.1
2.2
               Anything else?
23
                       (No response.)
```

```
1
               MR. ROGERS: The staff will review the
     evidence and make a recommendation to the Board.
 2
 3
               MR. WATSON:
                            Referencing that P over Z
     and process that we go about in setting the
 4
 5
     allowables in North Alabama, it's sad to report
     that the engineer that put forth that position,
6
 7
     Wayne Stafford, has left us, has passed away.
                             I didn't know that.
8
               MR. ROGERS:
9
               DR. TEW:
                        Oh, no.
10
               MR. ROGERS: When was that, Tom?
11
               MR. WATSON: Last -- earlier this year
12
     or late --
13
               MR. ROGERS: I guess maybe we did hear
14
     about that.
15
                          I didn't know that.
               DR. TEW:
16
                             Brilliant man, wasn't he?
               MR. ROGERS:
17
               MR. WATSON: He was.
18
               MR. ROGERS: Pleasure to be around,
19
     too.
2.0
               All right. Let's see, that brings us
     to Item 21, Docket Number 11-5-24-09, petition
2.1
2.2
     by Land.
               This relates to the big unit Chicken
2.3
     Swamp Branch Oil Unit. Mr. Watson.
```

Do you have copies, Tom, from 21,

2 yeah? 3 MR. WATSON: Chicken Swamp Branch. MR. ROGERS: Take your time. 4 We've got plenty of paper up here. 5 6 MR. WATSON: Mr. McQuillan, that's my 7 point. 8 MR. MCQUILLAN: I see. 9 MR. WATSON: I trust that you would 10 cherish this paper and the love that was put in 11 it putting it together. 12 MR. ROGERS: East Alabama produces a 13 lot of paper. We're keeping our paper mills

1

14

15

16

17

18

19

2.0

2.1

2.2

2.3

busy.

MR. WATSON: On my birthday in 2017, the Board promulgated the order unitizing
Chicken Swamp Branch. Here is that order.
That -- many of these wells in this petition today are within the unit boundaries of this field or this unit. The unit participation factor approved for Chicken Swamp Branch is a two-point factor: Poor volume and productivity or production over a given period of time. Each

- well in this unit is allocated a participation factor, okay. Now, if we start plugging wells
- 3 inside this unit boundary, we change the
- 4 participation factors.
- 5 MR. ROGERS: I don't know, Tom, about
- 6 that. Who set it up? Wells get plugged. That
- 7 doesn't affect what each tract gets.
- MR. WATSON: What do we do? Well,
- 9 okay, all right. I'm glad you stated that on
- 10 the record.
- MR. ROGERS: It's good to state that
- 12 on the record.
- MR. WATSON: So we do not have to do a
- 14 redetermination if we plug a well inside this
- 15 unit.
- MR. ROGERS: That's right. That's the
- 17 | last thing we'd want to do is reduce the tract's
- 18 | interest because the well got plugged.
- 19 MR. WATSON: That's right. That's
- 20 | right, so we're not advocating that. I just
- 21 | wanted to point that out and let us all know
- 22 what's going on here, okay.
- 23 MR. ROGERS: That's right. The well

- gets plugged in the unit. It doesn't change the tract participation, good point.
- MR. WATSON: All right. If it -- if

 it did, we would have to do a redetermination

 each time we plugged a well; right?
 - Okay. We have many wells -- 26 wells to go through. We'll try to be as brief as we possibly can and so just stop us if you have a question.
- MR. ROGERS: Proceed is I guess what we'll say.

12

13

14

15

16

17

18

19

2.0

2.1

2.2

2.3

6

7

8

9

EXAMINATION BY MR. WATSON:

- Q. The first of these wells, Mr. Sanders, is the Windham 35-6 number two -- excuse me, number two well. What's the situation with that well?
- A. It's shut in awaiting response to secondary recovery.
- Q. All right. And that's because your -the order that I just held up was -- allowed
 water injection and gas injection as a secondary
 recovery mechanism for this field; correct?

1 A. Correct.

2

3

4

5

6

7

8

9

10

15

16

19

2.0

2.1

2.2

23

- Q. Is this well in a situation -- is this well configured and in a situation to detect the water front or the gas injection as to when it may be able to produce?
 - A. Yes.
- Q. Okay. And do you have any estimate as to when this repressurization front will reach this well?
- A. I do not.
- Q. Okay. But this well has future

 utility because it's part of the unit and it's

 benefiting from the water and possibly gas

 injection at some point --
 - A. Right.
 - Q. -- in accordance with that order?
- A. Within a waterflood situation, of course it does.
 - Q. Sure.
 - The next well is the Grace 35-3 number three well. What's the situation with this well, Mr. Sanders?
 - A. It's shut in awaiting response from

- 1 | our secondary recovery effort.
- Q. All right, sir. And the Grace 35-2
- 3 | number two well?
- 4 A. Same situation.
- 5 Q. Awaiting response from secondary
- 6 recovery operation; correct?
- 7 A. Yes, sir.
- Q. And the Homan-Hagler 1-4 number one well?
- 10 A. Well, it's -- it's shut in awaiting 11 response.
- Q. All right. Do you have to change any equipment on this well, Mr. Sanders?
- A. Yes. It has -- has a hydraulic pump installed. That would have to be changed out to a rod pump.
- Q. Oh, okay, all right. And again, as
 you say, the well is awaiting response from the
 waterflood?
- 20 A. Correct.
- Q. The Windham 35-10 number one well,
- 22 | what's the situation with that?
- 23 A. It's closed in awaiting response to

- 1 | the water injection.
- Q. All right, sir. And the Cherie Reese
- 3 | 3-1 number one well?
- 4 A. It's -- it's being used as an
- 5 | observation well. It's the most down dip well
- 6 in the field and that's kept -- kept in order to
- 7 monitor bottomhole pressure that far into the
- 8 field.
- 9 Q. All right, okay. The Windham 35-8
- 10 | number two well?
- 11 A. It's shut in awaiting response from
- 12 water injection.
- 13 Q. All right, sir. The Elliott 26-14
- 14 | number two well?
- 15 A. Shut in awaiting response to the water
- 16 injection.
- 17 Q. The Holloway 2-2 number two well?
- 18 A. It's shut in awaiting response to the
- 19 | secondary recovery effort.
- Q. All right, sir. The Windham 35-12
- 21 | number one well?
- 22 A. Shut in awaiting response to the water
- 23 injection.

- Q. The Swedenburg 27-7 number one well?
- A. Shut in awaiting response to water and gas injection.

1

2

3

4

5

6

7

8

9

10

14

15

16

17

18

19

2.0

23

- Q. All right. The Keating 35-16 number one well?
- A. It's shut in awaiting response to the secondary recovery effort.
 - Q. The Newman White 2-7 number one well?
- A. It's shut in awaiting response to the secondary recovery effort.
- 11 Q. The Prater 27-4 number one well?
- 12 A. It's shut in awaiting response to the secondary recovery effort.
 - O. The Prater 27-10 number two well?
 - A. Shut in awaiting response to the secondary recovery effort.
 - O. The Prater 27-11 number one well?
 - A. It's shut in awaiting response to the secondary recovery effort.
 - O. The Richards 34-1 number one?
- 21 A. Shut in awaiting response to secondary recovery effort.
 - Q. The Weyerhaeuser 28-8 number one?

- A. Shut in awaiting response to secondary recovery.
 - Q. The Bishop 35-15 number one well?
- A. Shut in awaiting response to secondary recovery.
- Q. The Parham 26-16 -- the Parham 26-15 number one well?
- 8 A. That's not a unit well I don't think, 9 is it?
- Q. No, that's a -- that's a wildcat

 well -- the southwest quarter of the southeast

 quarter of Section 28 Township 18 South Range 15
- MR. ROGERS: Which well is that,
- 15 Mr. Watson?

West.

3

13

- MR. WATSON: That's the Parham 26-15
- 17 | number one well.
- MR. ROGERS: Okay.
- MR. WATSON: Okay.
- A. Well, now it's uneconomic to produce because of low rates.
- Q. So what are your plans for that well,
- 23 Mr. Sanders?

- A. That's being evaluated. It's -- we've just drilled a new well in that same reservoir, so depending on the results for that, we might either re-enter this one or put it back on production.
 - Q. So what is that -- what is that well producing? What zone is it producing from?
 - A. It's Pottsville A.
 - O. Pottsville A?
 - A. Uh-huh.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

- Q. So if the nearby well that has just been drilled is productive to the Pottsville A formation, would you -- you're telling the staff that you would be looking at recompleting this well in the Pottsville A?
- A. It's in the Pottsville A already.

 It's -- we considered putting it back on production based on what we see from the new well.
- Q. Okay. And give us a time frame for all of those events to fall into place.
- A. The new well has just been drilled, so in 2025.

- Q. Okay. Do you know the -- remember the name of that new well?
- A. It's the Parham 23-15 number one, I believe.
- 5 Q. Okay.

18

19

2.0

2.3

- 6 A. It's an active well.
- Q. All right, sir. The Windham 35-7 number two well? That's a unit --
- 9 A. The Windham 35-7 number two is a gas 10 injection well.
- 11 Q. And it's in the unit?
- 12 A. It is in the unit.
- Q. All right. And it's being kept to inject gas or is it present --
- A. Yeah. Right now it's not been used

 but the potential is it will be reinstated as a

 qas injection well.
 - Q. That's because of its location in the unit and its particular situation?
 - A. That's correct.
- Q. Okay. Near a -- is it a gas cap in Chicken Swamp Branch?
 - A. There was -- we speculate that

- 1 | there was a small one.
- 2 Q. Okay.

5

6

7

8

9

16

17

18

19

2.0

- A. And this should have -- this would be in it.
 - Q. Would be in the gas cap so that any gas injection would just repressure the gas cap, thus pushing the oil down to the wellbores; right?
 - A. Right.
- 10 Q. The Sanford 2-3 number one well?
- 11 A. It's awaiting response to secondary recovery.
- Q. It's a unit well, yes, sir.

 The Keating 35-9 number one well is in the unit. What's the situation on the Keating?
 - A. It's a gas -- this has been a gas injection well and eventually will be put back on as a gas injection well.
 - Q. Okay. And what's the source of the gas from the gas injection well?
- A. Well, that is unknown at this time.
 Right now we don't have any gas to inject.
- Q. Okay, all right. So should you

- 1 encounter a well in this further development
- 2 that has gas to produce, rather than selling
- 3 that gas --
- 4 A. Well, it's connected to our pipeline
- 5 so we can backflow gas over there.
- Q. Oh, okay.
- A. But we've got to have a source for it though.
- 9 Q. Okay, all right. The Taylor 2-6
 10 number one well, that's a unit well?
- 11 A. It's awaiting response to waterflood.
- 12 Q. All right, sir. And that's -- that's
- all of the wells in the Chicken Swamp Branch,
- 14 Mr. Sanders.
- 15 A. Do we have a count? I counted 15 and 16 17, I think.
- Q. All right. Whatever it is, it is.
- 18 A. Right.
- 19 Q. The number of wells that we've just 20 testified to.
- A. Of all the wells we've got that we operate, there's 37 of them that's on TA status at this point in time after these are done.

- 1 | Seventeen of them are at Chicken Swamp.
- 2 MR. WATSON: Okay. That's the kind of
- 3 | information Dr. Tew is referring to that they
- 4 | want in our well inventory. I have no further
- 5 questions on Chicken Swamp Branch.
- 6 MR. ROGERS: Any questions from the
- 7 staff about this unit and the field?
- 8 Mr. McQuillan.
- 9 MR. MCQUILLAN: Mr. Sanders, I
- 10 | don't -- I don't mean to catch you off guard
- 11 here but do you have like a ballpark figure of
- 12 | your daily injection volumes?
- 13 MR. SANDERS: They're not any water or
- 14 gas -- gas injection right now is not in effect.
- We're not putting any gas in the ground right
- 16 | now.
- MR. MCQUILLAN: Okay. Yeah, you
- 18 | stated --
- 19 MR. SANDERS: Water injection is
- 20 | approximately 200 barrels a day.
- 21 MR. MCQUILLAN: And what kind of
- 22 pressure are you injecting that in?
- MR. SANDERS: Well, the injection

- 1 | wells are on the back end.
- MR. MCQUILLAN: Back end, okay. And
- 3 | how many injection wells in the unit do you
- 4 have?
- 5 MR. SANDERS: We have two water and
- 6 two gas.
- 7 | MR. MCQUILLAN: Thank you.
- 8 Is that two gas, that's including the
- 9 | two you're asking for TA status; right?
- 10 MR. SANDERS: The two gas -- the two
- 11 gas injection wells were in the TA list.
- MR. MCQUILLAN: Right. Okay, right.
- 13 MR. GREGORY: So what is the source of
- 14 | the water injection?
- MR. SANDERS: It's produced water from
- 16 the field. We are injecting all of the field
- 17 | water from any of our wells connected around
- 18 there.
- MR. GREGORY: So you don't have any
- 20 makeup water?
- MR. SANDERS: We have makeup water
- 22 from some fresh water wells we drilled but
- 23 | they're not very effective.

```
1
               MR. GREGORY: So I guess I have to ask
 2
     the question: Your response to a lot of these
 3
     wells was we're awaiting response of waterflood,
     so if you don't ever put any -- put more water
 4
 5
     into the ground than you produce, then how are
     you going to see any response?
6
 7
               MR. SANDERS: We'll have to wait and
     see, I guess. I mean, the waterflood is not --
8
9
     not 100-percent effective all over the field.
10
     It's effective in some wells, so we put 200
11
     barrels of water in the ground and you have an
12
     effect on a well, you know, three or four
13
     locations over, it affects it and it could
14
     affect any of these. This is not -- this is not
15
     a repressurization.
16
               MR. WATSON: It's a sweep.
17
               MR. GREGORY: Sort of contrary to
18
     your --
19
               MR. SANDERS: I don't know what it is
2.0
     really.
2.1
               MR. GREGORY: -- to your testimony but
22
     okay.
               MR. SANDERS: Well, you find out --
2.3
```

you find out about your reservoir when you inject water and see where it comes out and we've had numerous wells that have responded to the water injection that's not directly or not right next to the injection wells, so.

- MR. GREGORY: I think we'll have to go back to when the field was unitized, I think the testimony at that time was -- would be that the reservoir is losing pressure, you're taking out more than you're putting back in so -- and then a lot of your responses to these TA requests was that you're awaiting response of the waterflood. So again, my conclusion is that if you don't ever put more water in than you take out, then you're not going to see any response, so we'll go back to why the field was originally unitized.
- MR. SANDERS: Well, my question is why not.
- 20 MR. WATSON: But Mr. Gregory --
- Q. (By Mr. Watson) Mr. Sanders, how much water is the unit producing?
- 23 A. Probably 150 barrels a day.

- Q. So you're not disposing of any of that water, you're putting all of the water back in the reservoir; right?
 - A. That is correct.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

23

- Q. The point Mr. Gregory I think is making is that's a 50-barrel differential. You don't have any plans to build any source wells or not oil and gas related for water input?
- A. We drilled two freshwater wells on the site of the injection wells but we've had poor results from those and so as a result, we have not had any extra makeup water.
- Q. So is it your plan to try to find some water sources in the area of the field so that you can add to the water that's being injected in the secondary recovery program?
- A. We're perfectly satisfied with what we're doing right now because we are maintaining some evidence of pressure in the field and so for us to spend any more money on injection or find an injection water is not economic for us.

MR. WATSON: Okay.

MR. GREGORY: Thank you.

1 MR. MCQUILLAN: Mr. Sanders, just to extend from that, I believe the original 2 3 testimony for the unit was to inject gas but you're not doing that, so --4 5 MR. SANDERS: That's right. MR. MCOUILLAN: -- can you briefly 6 7 state why you discontinued that or never started? 8 9 MR. SANDERS: Well, it was an economic 10 situation. First off, we didn't have any gas to 11 inject. There was no way to get it over there. 12 It is connected to the pipeline but the Gordo 13 facility where our pipeline terminates is 14 delivering three million a day to Southern Natural and at one time, we were injecting a 15 16 million a day and we don't have the facilities 17 to move it back over there to inject it. It's an economic situation. 18 19 If you're buying gas at \$4 and 2.0 spending a dollar to move it back over there, well, it's not economic to do that at this 2.1 2.2 It could be -- in the future, it will

23

877-373-3660 800.808.4958

be. If we had some gas wells along the system

that would produce, that would be different. one time we didn't -- we did have, got three of 2 3 those Magna Creek wells that were good producers and they were connected into our system and --4 5 but they have declined over the years and so it's not available right now. 6 7 MR. MCQUILLAN: You stated that the water injection wasn't as -- from my own hearing 8 9 that it wasn't as successful as you had hoped 10 the water injection. 11 MR. SANDERS: Well, I think it has 12 It's the main thing for field been. 13 production -- productive. 14 MR. MCQUILLAN: Okay. So -- but you 15 don't have a source of water to inject more?

2.0 MR. MCQUILLAN: I see.

a lot though.

1

16

17

18

19

2.1 MR. WATSON: Mr. McQuillan, you can 2.2 correct me if I'm wrong but I think that the 2.3 order approved both gas and water injection in

877-373-3660 800.808.4958

MR. SANDERS: Other than the field --

well, we're -- we're bringing all the water that

Land operates to the field when it comes but not

1 this field.

6

8

2 MR. MCQUILLAN: Right, that's what I'm

3 | getting at. Why -- I think you did start some

4 gas injection at one time.

5 MR. SANDERS: We did.

MR. WATSON: Yes.

7 MR. MCQUILLAN: What did you find out,

it wasn't -- it wasn't affecting it?

9 MR. SANDERS: No. We had some good

10 response from gas injection but the point was we

11 | ran out of gas to inject.

MR. MCQUILLAN: Okay.

MR. SANDERS: It was an economic

14 | situation as it affects everything. The

15 | economic does play a role.

MR. MCQUILLAN: I was getting the

impression that perhaps the water wasn't as

18 | effective because it didn't have the

19 permeability you needed but then gas you would

20 think would help in that case, you just don't

21 have the gas.

MR. SANDERS: Well, according to

23 bottomhole pressure records, the gas injection

1 | was working.

2 MR. MCQUILLAN: Okay. Butch, any

3 | other questions?

4 MR. ROGERS: No other questions? Go

5 ahead.

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

23

MR. GREGORY: I guess, yeah, for the record, I just want to clear up, you know, if -- again, a lot of the responses were you're waiting -- you're awaiting response from the waterflood and my point being from a reservoir engineering standpoint, if you never put more water in it than you take out, then you won't ever see a response and you won't ever -- you won't ever increase your bottomhole pressure.

MR. SANDERS: Well, I dispute that,
Butch, because you do see some response. It may
not be overall in the field but it is helping
some of the wells; right?

MR. WATSON: They have the records. He can answer that question. He's not on the stand but he would acknowledge that your statement would be true.

MR. MCQUILLAN: I'm assuming you're

saying there is a -- you're seeing an effect in the wells near where -- the injection wells but not overall in the field?

MR. SANDERS: That's correct.

MR. MCQUILLAN: Okay.

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

23

MR. SANDERS: You know, selective wells around the injection well have shown response. Average production from the field is probably five barrels a day or two barrels for the wells that are producing and some of these that are closer to the injection wells are at 15 barrels a day, so I mean, it's obvious that they are helping that situation.

MR. MCQUILLAN: And one last question: Is that your continued plan for 2025, the status quo?

MR. SANDERS: Yeah, we're continuing to operate like we're doing, yes.

MR. GREGORY: Again, my -- to clarify what I'm trying to say for the record: This hearing is to determine TA status, you know, what the status is for these -- these wells that are inactive, so -- but -- but the testimony is

```
1
     you're awaiting response from the waterflood, so
     again, those wells that are producing you may
 2
 3
     see a response but these wells right here that I
     don't think you'll ever see a response unless
 4
     you put more water in than you take out.
 5
 6
               MR. WATSON: Well, that's always an
 7
     option, yes, sir. We understand that.
8
               MR. SANDERS: Are you suggesting we
9
     should plug all these wells?
10
               MR. WATSON: No, he's not suggesting
11
     that at all.
12
               MR. SANDERS: I know he's not because
13
     that's a unit. (Inaudible due to crosstalk.)
14
               MR. GREGORY:
                             I'm not suggesting
15
     that --
16
                              We're not considering
               MR. SANDERS:
17
     plugging these wells.
18
               MR. GREGORY: What I'm suggesting is
19
     is that we do a proper waterflood but.
               MR. SANDERS: Well, it could be.
2.0
     Maybe somebody one of these days will come out
2.1
2.2
     there and do a proper one but we're doing all we
```

2.3

can do right now.

1 MR. GREGORY: Okay, thank you. Okay. Any more questions 2 MR. ROGERS: 3 on that Chicken Swamp Branch? 4 (No response.) 5 MR. ROGERS: The next one -- the last 6 one is Item 22. This involves the wildcat 7 wells, I believe, 11-05-24-10. 8 MR. WATSON: Mr. Rogers, these next 9 wells, the three wells that we'll name, are 10 wildcat wells in Pickens County. 11 MR. ROGERS: Yes, sir. 12 13 EXAMINATION BY MR. WATSON: 14 Ο. The first one is the Leslie Williamson 1-5 number three. Mr. Sanders, tell us the 15 16 situation of that well. 17 Α. That well was drilled and cased down 18 to 1,400 foot intermediate strength and drilled 19 all the way down through the Pottsville A Sand. 2.0 The Pottsville A Sand appeared to be wet when we drilled it and when we logged it, it shows 2.1 2.2 potential, so its situation right now is that

we're waiting to determine whether or not to run

2.3

- casing and to complete the well in the Pottsville A.
 - Q. Okay. And when do you anticipate doing that, Mr. Sanders?
 - A. 2025.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

- Q. All right, sir. The next well is the Joe Cook 27-12 number two well. As again it's a wildcat well. What's the situation of that well?
- A. It's shut in. It's not -- it's uneconomic to produce from the zone. It's producing from it right now but it does have potential to go back to the Pottsville A Sand.
- Q. Okay. And what would you have to do to produce the Pottsville A Sand in that wellbore?
- A. You would have to squeeze the existing zone off and then go back and perforate and frac the lower -- the Pottsville A, which is lower.
- Q. Okay. And do you have a time frame for that, Mr. Sanders?
- A. 2025.
- Q. And the last of the wildcats is the

Winters 19-5 number one well. What's the situation of that well?

3

4

5

6

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

- A. It's capable of production but at high water rates and I guess we could use the water over in Chicken Swamp Branch if we could get it over there.
- Q. Okay. And what -- what zone has a potential in that wellbore, Mr. Sanders?
 - A. It's producing from the Pottsville A.
- Q. Okay. And do you have another zone that has potential in that well?
- A. Our geologist says that the Mason Sand is -- should be productive, so we may attempt that.
- Q. Okay. So what -- what are the plans for this well other than the production or the lack thereof from the Pottsville A, what are the plans for the Mason Sand?
 - A. It will be attempted next year.
- MR. WATSON: All right. Now, any
 questions on these wells -- these wildcat wells?

 MR. ROGERS: Any questions on these
- 23 three wells from the staff?

DR. TEW: No.

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

MR. ROGERS: No questions.

- Q. (By Mr. Watson) Mr. Sanders, I'm going to ask you since we consolidated all of these items for hearing purposes and before we close down: Are these wells that you've just described, do these wells have potential or future utility for your company?
 - A. They do, every one.
- Q. Are these wells assets for your company, meaning they have potential for revenue production?
- A. They do.
- Q. Okay. Are any of these wells in an unsafe condition?
- A. No, they are not. They are all in good condition.
 - Q. And are all of these wells in compliance with the Board's rules and regulations?
- 21 A. Yes.
- Q. And would the status that we're requesting, the temporary abandonment status of

these wells, protect the correlative rights of both the operator and the royalty interest owners and the State through its severance tax collections?

A. Yes, they would.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

2.3

MR. WATSON: I tender the witness for any questions -- further questions that you have from this witness.

MR. ROGERS: All of the exhibits submitted by Land are admitted.

First I'm just going to mention that we -- the Oil and Gas Board, the staff, we're all pleased as can be that you continue to operate wells, Jerry, because you now operate as many wells as anybody in the State outside of the coalbed methane area and you are pretty much the only game in town in Northwest Alabama except for Buddy Simonis so far as I know.

MR. MCQUILLAN: Jebsco.

MR. ROGERS: Jebsco, there are a few others. We did note, however, that there were five wells that had -- that were -- hadn't produced in more than ten years. Frequently,

when that comes up, we raise those issues with other operators when you have wells that hadn't produced in so long because you question whether they have any potential, and you know, we don't want to have so many wells that -- that -- just if wells are due to be plugged, they ought to be plugged.

2.0

2.1

2.2

Any thoughts about plugging any wells that you operate, Mr. Sanders, with Land and Natural?

MR. SANDERS: Well, we've been discussing with y'all some of those.

MR. ROGERS: That's right. We've been discussing this.

MR. SANDERS: It's quite a bit of expense to plug a well in the Warrior Basin is excessive compared to what it needs to be, so we would like to enjoin y'all in some discussion about what rules we need to change so we can plug these wells economically because it doesn't make any sense to go spend \$35,000 to go plug a well which has some potential use when you could if you're -- if you weren't required to plug

- 1 them, you could do it for, like, 10,000 or 2 12,000.
- 3 MR. ROGERS: What would be the
- 4 simplest way to save money in plugging the well?
- 5 MR. SANDERS: The biggest expense of
- 6 | plugging right now is the cementing cost and
- 7 | right now the procedures require about three
- 8 | plugs -- three or four plugs to be set inside
- 9 | four -- inside your production stream and -- but
- 10 | anyway, we'll carry on that discussion with
- 11 Butch later.
- MR. ROGERS: All right. Well, we
- 13 | appreciate your cooperation.
- MR. SANDERS: By the way, for the
- 15 record, Land has probably plugged more wells in
- 16 the State of Alabama than anybody. Don't forget
- 17 Moundville.
- 18 MR. ROGERS: That's true. I forgot
- 19 | about Moundville.
- 20 DR. TEW: I remember Moundville
- 21 | well.
- MR. SANDERS: So do I.
- DR. TEW: That one was in my lap when

```
1 | I came into this job.
```

- 2 MR. ROGERS: All right. Anything
- 3 else?
- 4 MR. WATSON: That's all we have.
- 5 MR. ROGERS: We will review the
- 6 evidence and make a recommendation to the Board
- 7 on all of those items.
- The next item then is Item 23, Docket
- 9 Number 11-5-24-11, petition by Alog, LLC.
- MR. WATSON: Mr. Rogers, there are two
- 11 | wells in this petition for Alog, LLC -- the
- 12 Appleton 2-16 number one well and the D. W.
- 13 | McMillan number five saltwater disposal well in
- 14 Escambia County in the Appleton Field unit.
- 15 As you have heard from me before
- 16 today, the operator, Alog, plans to plug these
- wells within the next 12 months and I should say
- 18 as Mr. -- the operator tells me unless oil jumps
- 19 to over \$100 a barrel, we will get these wells
- 20 | plugged within the next 12 months. Otherwise,
- 21 we would come back and ask for relief if we
- 22 don't see oil going over \$100 a barrel in the
- 23 | next 12 months but let's -- you would not want

us to plug wells that are producing anyway if they are making that kind of money but anyway, the -- both of those wells are scheduled to be and will be plugged.

2.0

2.1

2.2

Roger Chapman pointed out to me that we are facing the holiday season and the rig that he has to get to plug these wells will not be available until after the first of the year, so if we said we were going to plug it at such and such time, we have to take into account when he can get the rig but within the 12-month period and earlier on rather than later on they're planning to plug these two wells.

MR. ROGERS: All right.

MR. WATSON: So I submit the affidavit of testimony that I prefiled for Roger Chapman, who is qualified as a petroleum geologist before this Board who has on file an affidavit of his qualifications as a petroleum geologist and is, in fact, the operating executive by Alog, LLC. I'd ask that you receive that into the record, Mr. Rogers.

MR. ROGERS: All right. So we'll

1	admit into the record the affidavit of				
2	publication, Exhibit A; Exhibit B is the				
3	affidavit of testimony; and then attached to				
4	Exhibit B, the affidavit, are Exhibits 1 and 2,				
5	so all of those exhibits are admitted.				
6	MR. WATSON: Yes, sir, thank you.				
7	MR. ROGERS: Anything else,				
8	Mr. Watson?				
9	MR. WATSON: No, sir.				
10	MR. ROGERS: The staff will review the				
11	evidence and make a recommendation to the Board.				
12	Item 24, Docket Number 11-5-24-12,				
13	petition by Natural Gas and Oil, Incorporated.				
14	MR. TYRA: Mr. Rogers, would you swear				
15	me in, please, sir.				
16	MR. ROGERS: Stand and state your name				
17	and address.				
18	MR. TYRA: I'm John Tyra, 3496 Fire				
19	Thorn Lane, Tuscaloosa, Alabama.				
20					
21	JOHN TYRA,				
22	being first duly sworn, was				
23	examined and testified as follows:				

2.0

MR. TYRA: Mr. Rogers and Dr. Tew and						
staff, this is Docket Number 11-05-24-12, which						
is a request by Natural Gas and Oil to approve a						
temporary abandoned status for a well in the						
McGee Lake Field in Lamar County, that well						
being the Ellen Rogers 25-1 number one well. I						
am an attorney in Alabama, have been practicing						
here for about 43 years and have been						
representing Natural Gas and Oil for, gosh, 30						
of those 43 years, so Phil Newton has previously						
filed the TA request and let me just sort of						
tell you what's going on here.						

This Ellen Rogers 25-1 number one well, which is permit number 2976, is located in the north half of Section 25, Township 16 South, Range 16 West, in the McGee Lake Field, which is in Lamar County. Last year on March 13th, 2023, that well received a shut-in status for one year and of course, that year has -- has passed.

Natural Gas and Oil is requesting a temporary abandoned status for the well for an additional one-year period.

Now, the Ellen Rogers 25-1 number one well produced from the Carter Sand oil pool and it has potential for other uphole sands, specifically Mr. Newton would like to test the Pottsville A Sand before making a decision whether to -- to plug this well or not for its potential future utility. They intend -- he intends to test the well in the Pottsville A and recomplete it if it's productive and if not, then this well will be plugged and abandoned.

2.0

2.1

2.2

At this point, the tubing has been removed from the well. In order to reactivate it, Natural Gas and Oil will set a bridge plug and then perforate in the potential sand and stimulate if necessary.

Natural Gas and Oil indicates that the well is in a safe condition. It poses no threat to the environment and that the downhole condition of the well is good and sound and also that Natural Gas and Oil owns 100 percent of the rights to drill and produce the hydrocarbons. It is our opinion that the granting of the petition will prevent waste and also prevent the

drilling of unnecessary wells while protecting correlative rights.

2.0

2.1

2.2

exhibits. The first Exhibit A is the TA SI request questionnaire completed by Mr. Newton for Natural Gas and Oil. That is followed by the affidavit of legal notice from the West Alabama Gazette as well as a tear sheet, Exhibit C, showing what was actually published by that newspaper and I would ask that this matter be approved based upon the TA status questionnaire that Mr. Newton has previously filed with the Board.

MR. ROGERS: All those exhibits are admitted. Any questions from the staff?
Mr. McQuillan.

MR. MCQUILLAN: So I assume because he did not answer the question when he expected to commence such operation, John, that he doesn't know or did he tell you?

MR. TYRA: He said no date is scheduled. He's waiting on market conditions to improve on the questionnaire.

```
1
               MR. MCQUILLAN:
                                Okay.
                           I would say 2025.
 2
               MR. TYRA:
                                2025. Yeah, a lot of
 3
               MR. MCQUILLAN:
     people leave that blank, which, you know, it's
 4
 5
     probably a -- you know, it's an important
6
     question to us.
 7
               MR. TYRA: Which question is that?
8
               MR. MCQUILLAN: It's in the middle of
9
     the page on page two.
10
               MR. TYRA: Right.
11
               MR. MCQUILLAN: A date when the --
12
               MR. TYRA: Oh, yeah, yeah, that's
13
     where answered it, yeah. No date is currently
14
     scheduled, waiting for market conditions. Yeah,
     I see what -- no date is not a date is what
15
16
     you're saying. I understand.
17
               MR. MCQUILLAN: In the future if you
18
     could get him to actually put something in
19
     there, I'd appreciate it.
2.0
               MR. TYRA: Sure, I understand.
               MR. ROGERS: Anything else?
2.1
2.2
               MR. MCQUILLAN:
                                No.
```

23

877-373-3660 800.808.4958

MR. ROGERS: The staff will review the

1 evidence and make a recommendation to the Board.

MR. TYRA: 2 Thank you.

3 MR. ROGERS: The last item then is

Item 26, Docket Number 11-5-24-14, petition by 4

Fletcher Petroleum requesting temporarily

abandoned status for certain wells in Brooklyn 6

Mr. Scogin. Field.

5

7

8

9

10

11

12

13

14

15

16

MR. SCOGIN: Yes, sir, Mr. Rogers, my name is Mark Scogin and I represent Fletcher Petroleum Corporation. This is a petition requesting the extension of temporarily abandoned status for two wells, the Pate 2-13 number one sidetrack well, permit number 17323-B-1, and the Pate 12-12 number one well, permit number 17316-B, both of them located in the Brooklyn Oil Unit II, Brooklyn Field,

17 Conecuh County, Alabama. I have prefiled a set

of exhibits. The originals were actually 18

19 prefiled last week but I've handed up additional

2.0 exhibits showing the questionnaires, schematic,

and the affidavit of testimony and the copy of 2.1

2.2 the proof of publication and I would ask that

those exhibits be admitted. 23

- Q. And an affidavit of your qualifications are on record with the Board?
 - A. Yes.

1

2

3

4

5

6

8

9

10

11

13

14

15

16

17

18

19

2.0

- MR. SCOGIN: I would ask that Mr. Owen be recognized an expert for purposes of this hearing.
- 7 MR. ROGERS: He is so recognized.
 - Q. (By Mr. Scogin) Are you familiar with the petition that has been filed by Fletcher Petroleum requesting the inspection of TA status for the two wells that I just identified?
- 12 A. Yes.
 - Q. And you've prepared exhibits, which we have just handed up to the staff?
 - A. Yes.
 - Q. Okay. And is the information contained in the exhibit packet true and accurate to the best of your knowledge, information, and belief?
 - A. That is right.
- Q. Would you give the staff a little
 history concerning the two subject wells for
 which we're here today and the future plans for

those wells?

2.0

2.1

2.2

A. Sure. So the Pate 12-12 number one well was originally drilled by Ventex. It was thereby transferred to us when we unitized this field back in 2021. That well was never completed. It was -- it entered the Smackover formation at noncommercial quantities so that well was never completed or never plugged for possible future utility. We see that well being either, one, used as a water source well potentially but more reasonably it could potentially be sidetracked for another take point in the reservoir.

The Pate 2-13 sidetrack was drilled roughly about -- I think about two years ago. That well also did not encounter commercial quantities of the Smackover. It is in a much better location for a potential water source well in the future. It is close to our water injection well so it could be used as a water source well but it also could be sidetracked again to be another take point in the field.

Q. Okay. So in your opinion, do both of

- those wells have future utility for the
 poperations of Fletcher in that field?
 - A. Yes, I believe so.
 - Q. And in your opinion, are those well or wellbores a threat to the environment?
 - A. No, I do not.
 - Q. Okay. Are you familiar with the term waste as that term is defined by the conservation statutes of the State of Alabama?
 - A. Yes.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

- Q. In your opinion, would the granting of this petition prevent waste and protect the rights of the owners of the wells?
- A. Yes.
- MR. SCOGIN: I would submit Mr. Owen for any questions by the staff.
- MR. ROGERS: The question I have:

 Where do you stand, Alex, on the injection?
- 19 know for some time the unit was -- there was no injection.
- MR. OWEN: Yes. This past summer, the water injection well went down. It took us a little while to get a rig mobilized to that part

of the state and it has been fixed now and injecting again.

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

2.0

2.1

2.2

23

3 MR. ROGERS: Okay. Any questions from the staff?

MR. GREGORY: You do have a current water source well?

MR. OWEN: Yes, that's the Pate 3-9 is the current water source and it is currently making enough water to properly supply that water injection.

MR. ROGERS: I'll mention this, Alex, that our agent has said that from time to time Fletcher hasn't been responsive to requests for information or just requests for this -- phone calls that she's made or the staff has made in Mobile or here and we expect reasonable response from Fletcher and we would appreciate your looking into that and addressing that.

MR. OWEN: Absolutely, yeah. I recently spoke to Ms. Leigh Blake and gave her my personal cell phone number to make sure she can reach me whenever she needs to. I apologize if there's been any delays in communications.

	Page 107
1	CERTIFICATE
2	
3	STATE OF ALABAMA
4	AT LARGE
5	
6	I hereby certify that the above and
7	foregoing deposition was taken down by me in
8	stenotype and the questions and answers thereto
9	were transcribed by means of computer-aided
10	transcription and that the foregoing represents
11	a true and correct transcript of the testimony
12	given by said witness upon said deposition.
13	I further certify that I am neither of
14	counsel, nor of kin to the parties to the
15	action, nor am I in anywise interested in the
16	result of said cause.
17	This the 4th day of December, 2024.
18	
19	Sherit Cannelly
20	green anney
21	SHERI G. CONNELLY, RPR
22	ACCR No. 439, Expires 9/30/2025
2.3	Notary Commission Exp : 1/25/2027

[**& - 2024**] Page 108

&	11-05-24-05 3:5	11-5-24-14	18335 107:20
& 4:23	11-05-24-06	100:4	19 3:17,17 56:23
	3:11	11.7 60:9 61:1	19-13 59:8
0	11-05-24-07	11.7. 60:23	19-5 88:1
02 40:21,22	3:17	11:45 106:15,19	19-9 49:2,8
1	11-05-24-08	12 8:11 43:13	2
1 14:18,19 19:11	3:23 59:3	57:14 93:17,20	2 22:3,9,12
23:2 32:1 95:4	11-05-24-09 4:6	93:23 94:11	23:16,21 26:15
100:14	11-05-24-10	12,000 92:2	27:2,11 43:21
1,400 86:18	4:12 86:7	12-12 100:14	95:4
1,500 20:23	11-05-24-11	103:2	2,400 20:21
1-4 67:8	4:18	120,000 18:13	2-13 100:12
1-5 86:15	11-05-24-12	13 2:4,4 8:23	103:14
1/25/2027	4:22 96:3	13-12 51:6	2-16 93:12
107:23	11-05-24-14 5:3	13th 96:18	2-1 68:17
10 8:8	11-12 19:21	14 2:10,10 3:11	2-3 73:10
10,000 92:1	24:3	38:4	2-6 74:9
10-1 24:5,6	11-15 52:1	14431 9:19	2-7 69:8
10-4 53:14,16	11-5 54:1	15 2:16,16 24:7	2.6 16:23 33:19
100 5:3 18:13	11-5-24-01 8:23	47:5 70:12	20 3:23,23 59:2
77:9 93:19,22	11-5-24-02 38:5	74:15 84:11	200 17:2 75:20
97:20	11-5-24-03 47:6	150 78:23	77:10
10:00 1:5	47:10	16 2:22,22 48:23	200,00 17:2
10:30 37:13	11-5-24-05	96:16,17	2012 43:4
11 8:9 26:4	50:21	16-11 23:5	2015 27:3
11-05-24-01 2:4	11-5-24-06 53:7	16547 26:19	2015-33 27:4
11-05-24-02	11-5-24-07 57:1	17 3:5,5 50:20	2017 63:15
2:10	11-5-24-09	74:16	2021 103:5
11-05-24-03	62:21	17-8 57:10	2022 13:9
2:16	11-5-24-11 93:9	17316 100:15	2023 96:18
11-05-24-04	11-5-24-12	17323 100:14	2024 1:3,12 6:2
2:22	95:12	175 44:4,5,14,14	6:5,11,18,22
	11-5-24-13 8:12	18 3:11 53:6 70:12	22:23 23:2,6

			,
107:17	27-7 69:1	4	7
2025 23:1,7,7	28 27:14 32:1	4 8:1 25:5,7	7 6:5,11,18,22
43:17,18 48:7	70:12	80:19	8:4
50:6 51:21 52:9	28-8 69:23	4-15 41:4,9	8
52:17 55:17	2976 96:15	42:12	
60:4 71:23	3	40 18:9,11 27:7	8 2:4 8:6
84:15 87:5,22	3 7:22 22:14,16	27:9	86 4:12
99:2,3	23:19 26:16	40,000 18:14	9
2026 36:21	27:4,10	400 18:22,22	9 8:7
21 4:6,6 62:21	3-1 68:3	33:22,22	9-16 20:6 24:6
63:1		420 1:10	9-17-24-03 7:23
22 4:12,12 13:5	3-9 105:7	43 96:9,11	9-17-24-04 8:1
22:3 30:13 86:6	30 96:10	43 90.9,11 439 107:22	9-17-24-05 8:3
23 4:18,18 14:23	300 20:23		9-17-24-06 8:4
22:14 25:12	33 14:21	450 35:17	9-17-24-08 8:5,6
26:2 30:13 93:8	34-1 69:20	47 2:16	9-17-24-09 8:7
23-15 72:3	3496 95:18	48 2:22	9-17-24-10 8:9
24 4:22,22 27:16	35,000 91:21	4th 107:17	
30:13,14 95:12	35-10 67:21	5	9-17-24-11 8:10
25 8:12 30:14	35-12 47:13	5 1:3,11 6:2,5,11	9-17-24-12 8:11
96:16 101:6	48:11 68:20	6:17,22 8:2	9/30/2025
25-1 96:7,14	35-15 70:3	16:14,20 25:6	107:22
· ·	35-16 69:4	27:13	93 4:18
97:1	35-2 67:2	50 3:5 79:6	95 4:22
250 18:5 31:11	35-3 66:20	53 3:11	a
26 5:3,3 65:6	35-6 65:15	56 3:17	a.m. 1:5 6:2
100:4	35-7 72:7,9	59 3:23	37:13 106:19
26-14 68:13	35-8 68:9		abandon 24:13
26-15 70:6,16	35-9 73:14	6	abandon 24.13
26-16 70:6	360 18:8,16	6 8:3	10:11 14:1,23
27-10 69:14	31:12	62 4:6	15:2 19:6,8 22:5
27-11 69:17	37 74:22	68 14:20	,
27-12 87:7	38 2:10		22:17 25:10,13
27-4 69:11	20 2.10		27:16,18 28:13
			28:15 41:4,12
	T T	ral Solutions	I

40.0 06.5 22	add 31:11 79:15	13:12 14:5 32:2	olog 4:10 02:0
49:9 96:5,22 97:10 100:6,12	added 19:19	32:6 39:17	alog 4:19 93:9 93:11,16 94:20
abandonment	31:13		amount 60:12
		94:15,18 95:1,3 95:4 98:7	
28:8 39:13 57:9	adding 51:17		announcing
89:23	addition 30:16	100:21 102:1	6:20
able 19:10,13	additional	affidavit's 11:12	annoyed 17:10
55:23 56:2 66:5	18:14 96:22	affidavits 9:5	answer 83:20
above 18:20	100:19	agent 105:12	98:18
107:6	address 9:17	ago 15:10 23:8	answered 45:3
absentee 33:8	38:11 95:17	53:18 103:15	99:13
absolutely	101:5	agree 31:15	answers 10:8
105:19	addressing	ahead 9:6,12	107:8
accordance	105:18	32:22 83:5	anticipate 61:16
66:16	adjourned	aided 107:9	87:3
account 94:10	106:16,18	al 26:19	anybody 90:15
accr 107:22	adjournment	alabama 1:1,8,9	92:16
accurate 102:18	1:11	1:11 28:20 29:5	anyway 92:10
accurately	admit 95:1	35:2 54:13 61:5	94:1,2
14:14	admitted 6:18	61:6,8 62:5	anywise 107:15
achieve 16:15	7:1 12:2,4 32:6	63:12 90:17	apologize 11:5
16:20	48:14 53:4 59:1	92:16 95:19	11:22 37:11,12
acknowledge	59:1 90:10 95:5	96:8 98:8	105:22
83:21	98:15 100:23	100:17 101:7	appeared 39:16
acre 27:7	101:1 106:9	104:9 107:3	86:20
acres 27:9	advocating	alex 5:6 101:6	appearing 6:15
action 107:15	64:20	101:10 104:18	appleton 93:12
active 72:6	affect 64:7	105:11	93:14
activities 30:12	77:14	allocate 55:8	appointing 7:3
30:15	affecting 82:8	allocated 64:1	appreciate
actually 15:15	affects 77:13	allow 27:4	92:13 99:19
17:18,22 18:20	82:14	allowables 62:5	105:17
19:7,12,15,21	affidavit 10:13	allowed 51:16	approve 96:4
25:1 34:4,5 98:9	10:22,23 11:10	65:21	approved 23:18
99:18 100:18	11:23 12:3		63:21 81:23

98:11	67:5,10,18,23	bad 15:12 16:16	benefiting 66:13
approximately	68:11,15,18,22	35:21	benefits 59:21
75:20	69:2,6,9,12,15	baldwin 10:13	berry 1:18
april 27:3	69:18,21 70:1,4	10:16,18	best 14:12
area 34:19	73:11 74:11	ballpark 75:11	102:18
79:14 90:16	77:3 78:12 83:9	barbour 23:5	better 16:20
aside 56:7	85:1	24:6	17:12 103:18
asked 45:3	b	barge 35:22	big 62:22
asking 19:5,8	b 1:9 21:10,20	36:1,3,6,16 37:4	biggest 15:14
22:6 41:12	26:13 51:23	barrel 79:6	16:1 36:18 92:5
45:20 57:8 59:7	95:2,4 100:14	93:19,22	billion 57:19,20
76:9	100:15	barrels 18:5,8	birthday 63:15
assets 89:10	back 19:10 20:1	18:16,22 31:11	bishop 70:3
assume 11:3	20:4,16 22:1	31:12 75:20	bit 91:15
44:7 98:17	26:5 30:16 34:4	77:11 78:23	blake 105:20
assuming 83:23	37:23 40:16	84:9,9,12	blank 99:4
attached 95:3	41:18,21 43:22	based 71:18	board 1:1,8
attempt 21:6	47:23 49:16	98:11	6:21 7:3,4,16
43:8 47:21	51:12,13 53:18	basically 15:10	10:10 12:17,20
54:10 57:15	53:19 57:16	31:14 37:1	13:13 14:2,9
88:13	58:7 59:11	basics 13:10	22:6 27:21 28:7
attempted 88:19	61:12 71:4,17	basin 91:16	29:6,15 32:12
attendance 1:15	73:17 76:1,2	battling 15:22	37:22 39:12,16
attention 14:17	78:7,10,16 79:2	bcf 60:9 61:1	41:3 47:4 48:21
22:2,13 25:5	80:17,20 87:13	bcfs 61:2	50:9,17 51:15
attorney 96:8	87:18 93:21	beaverton 53:8	53:5 54:21
attractive 58:11	103:5	53:11	56:22 58:21
available 81:6	backflow 74:5	becoming 13:9	62:2 63:16
94:8	background	behalf 7:4 39:11	90:12 93:6
average 18:4,6,9	13:3	belief 14:13	94:18 95:11
18:10 84:8	backs 52:7	102:19	98:13 100:1
averaging 18:8	backward 31:14	believe 34:16	101:22 102:2
awaiting 58:2	Suchivity 31.1T	61:4 72:4 80:2	106:10
65:18 66:23		86:7 104:3	

Veritext Legal Solutions

[board's - come] Page 112

board's 6:13	bunch 18:18	cases 16:11	75:1,5 86:3 88:5
89:19	burns 1:22	cash 17:6	circulation
bond 28:6	42:23 43:20	casing 19:23	10:17
book 22:4,15	44:2,17 46:1,16	21:21 24:4	civic 6:8
bottomhole	47:2 48:16	47:20 87:1	clarification
61:13 68:7	50:14 52:19,20	catch 75:10	60:8
82:23 83:14	60:18	cause 107:16	clarify 84:19
bought 15:17	busy 63:14	ccr 1:12	clarke 10:12,15
17:4 18:4,7	butch 1:20 83:2	cell 105:21	10:18
34:16	83:16 92:11	cementing 92:6	classified 26:20
boundaries	buying 15:17	certain 7:14	classify 10:10
63:19	80:19	10:10 100:6	cleaned 19:14
boundary 64:3	c	certainly 21:4	35:16
branch 62:23	c 19:20 23:16,19	certificate 107:1	clear 83:7
63:3,17,21	23:21 26:15,16	certify 107:6,13	close 18:21 54:2
72:22 74:13	26:19 27:2,4,10	chad 2:8 9:18	89:6 103:19
75:5 86:3 88:5	27:11 98:9	9:23 33:3	closed 51:8 52:3
briarhills 9:20	call 33:12 41:2	challenge 36:19	67:23
bridge 97:13	46:4	chance 25:1	closer 84:11
bridgmon 1:23	called 41:9	chandler 41:19	clue 43:14
brief 13:3 65:7	calls 105:15	41:23	coal 47:7,12
briefly 12:10	cap 72:21 73:5,6	change 26:9	48:10 57:2,8
14:18 80:6	capable 25:13	37:19,22 64:3	58:17
brilliant 62:16	26:20 88:3	65:1 67:12	coalbed 90:16
bringing 19:12	carlton 10:12	91:19	code 29:4
19:14 23:4	11:2,8 13:1 15:4	changed 67:15	coequal 55:10
81:17	15:8 29:1	chapman 94:5	55:11
brings 62:20	carry 92:10	94:16	collections 90:4
broke 57:14	carter 44:10,11	chart 61:15	combine 53:20
brooklyn 100:6	97:2	cherie 68:2	combined 54:19
100:16,16	case 34:3 82:20	cherish 63:10	come 29:20 30:4
buddy 90:18	cased 86:17	chicken 62:22	54:21 85:21
build 36:19,22	- Cubeu 00.17	63:3,17,21	93:21
79:7		72:22 74:13	
	Varitant Las	101	

Veritext Legal Solutions

[comes - counties] Page 113

comes 36:3,5	compliance	conoco 13:7	cook 87:7
78:2 81:18 91:1	27:20 89:19	conservation	cooperation
coming 19:2,3	compression	104:9	92:13
20:15 25:17	53:21 59:11	consider 22:7	copies 6:19 7:9
commence	compressor	considerable	9:8 63:1
98:19	59:14,22 60:3	60:12	copy 100:21
commercial	computer 107:9	considered	corp 5:4
103:16	concerning	71:17	corporation
commingle	102:22	considering	100:10
54:22	conclusion	85:16	correct 8:17
commingled	78:13	consolidate	11:15,16 12:4,6
44:9 51:16	condition 27:19	38:22	32:7,18 40:21
54:18,19 55:1	42:16 89:15,17	consolidated	42:18 44:8,16
commission	97:17,19	39:3,6 89:4	54:7 55:13,14
107:23	conditions 15:8	constitute 24:16	59:23 65:23
common 54:3	98:22 99:14	contained	66:1 67:6,20
communicatio	conduct 7:4	102:17	72:20 79:4
105:23	conecuh 100:17	contiguous	81:22 84:4
company 2:6	configured 66:3	38:22	107:11
9:2 10:5 44:19	confirmation	continuation	corrected 12:1,5
89:8,11	6:22	41:13	58:5
compared 91:17	confused 40:3	continue 26:7	corrections 8:18
compilation	connect 54:9,9	32:20 34:18	correlative
25:7	connected 54:3	54:10 90:13	29:10 42:14
compiled 6:14	59:18 74:4	continued 7:20	55:11,12 90:1
complete 87:1	76:17 80:12	7:22 8:16 84:15	98:2
completed	81:4	continuing 19:1	cost 92:6
20:18 27:6 98:5	connecting	84:17	counsel 1:17
103:6,8	54:14 58:7	continuously	107:14
completely	connection 54:6	16:11	count 74:15
31:15 37:4	58:3	contrary 77:17	counted 74:15
completion	connelly 1:12	convert 21:5	counties 10:13
47:19,21 49:20	107:21	26:6	10:18

[counting - dr] Page 114

counting 27:10	daily 75:12	deputy 1:19	92:10
county 10:15	dang 36:9	describe 14:18	disposal 14:22
86:10 93:14	data 25:7	15:7	93:13
96:6,18 100:17	date 10:19	described 89:7	disposing 79:1
couple 22:18,23	43:17 98:21	detailed 22:9,11	disprove 34:2
30:3	99:11,13,15,15	22:12	dispute 83:15
course 45:7	day 6:8 17:11	detect 66:3	district 53:18
66:18 96:20	18:5,8,16,23	determine 84:21	54:13
covered 19:4	31:12,12 75:20	86:23	docket 2:3,4,10
covering 28:3	78:23 80:14,16	determining	2:16,22 3:5,11
creek 41:5,10	84:9,12 107:17	58:4	3:17,23 4:6,12
47:7,12 48:10	days 10:19	detinue 24:17	4:18,22 5:3 6:16
50:20 51:2	85:21	development	7:15,22 8:1,2,3
52:12,15 57:2,8	december	2:12,18 3:1,7,13	8:5,6,7,8,9,11
58:17 81:3	107:17	3:19 4:2,8,14	8:12,23 10:14
cross 20:7,7	decision 24:8	8:14 28:18 38:4	12:14 28:12
crossflow 20:20	25:3 97:5	50:19 74:1	38:5 41:8 47:5
21:1,3,8 26:8,9	declined 81:5	different 45:4,4	53:6 57:1 59:2
26:11	defined 29:4	45:10 81:1	62:21 93:8
crosstalk 85:13	104:8	differential 79:6	95:12 96:3
cubic 57:20	definitely 31:13	dip 68:5	100:4
cumulative 60:8	dehydration	direct 14:17	dockets 6:18
curious 61:21	53:21	22:2,13 25:5	docks 36:6
current 15:7	delaney 54:1	directly 78:4	doing 16:8 34:1
28:1 105:5,8	55:22 56:9	director 1:19	79:18 80:4
currently 16:19	delayed 47:19	disconnected	84:18 85:22
18:20 21:2 23:3	delays 105:23	53:17	87:4
23:5 25:19	delivering 80:14	discontinued	dollar 80:20
99:13 105:8	democrat 10:16	80:7	downhole 97:18
cut 34:8	depending	discuss 22:19,22	download 44:11
d	20:22 71:3	discussing 12:9	dr 1:18 6:4,7
d 19:11 23:2	depicted 14:19	91:12,14	32:9 33:15 37:8
93:12	deposition	discussion	37:10,15 45:16
	107:7,12	23:18 91:18	45:22,23 46:6,9

[dr - executive] Page 115

46:12,14,18	82:13,15	engineering	events 71:21
60:7,14,15,20	economically	13:16,20 83:11	eventually
61:1 62:9,15	34:15 91:20	england 2:8	26:11 73:17
75:3 89:1 92:20	effect 28:4	9:18,19,23 10:8	everybody
92:23 96:2	75:14 77:12	12:9,13 13:18	36:10 37:13
drill 97:21	84:1	21:13,18 22:2	evidence 32:3
drilled 47:17	effective 76:23	29:23 30:10,22	32:11 47:4
71:2,12,22	77:9,10 82:18	31:2,6,19 33:6,9	48:21 50:16
76:22 79:9	effort 19:17	33:13,18 34:22	53:4 56:22
86:17,18,21	67:1 68:19 69:7	35:5 36:1,5,14	58:20 62:2
103:3,14	69:10,13,16,19	37:9,17	79:19 93:6
drilling 98:1	69:22	enjoin 91:18	95:11 100:1
drive 20:12	eight 34:8	ensure 28:7	106:9
101:7	either 71:4	enter 71:4	exactly 15:10
dry 36:12,15,15	103:10	entered 103:6	examination
due 41:14 49:10	elbert 1:21	entire 35:10	12:12 39:9 47:9
51:9 52:4 85:13	election 6:7	environment	49:6 50:23
91:6	eliminate 37:1	28:1 42:17	53:10 57:6 59:5
duly 10:1 38:17	45:19	97:18 104:5	65:13 86:13
95:22 101:11	ellen 96:7,14	ep 13:9	101:16
duplications	97:1	equates 18:13	examined 10:2
44:6 46:6	elliott 68:13	equip 41:23	38:18 95:23
duty 6:8	email 38:1	equipment	101:12
e	emma 21:9,20	49:22 67:13	example 44:7
earlier 26:14	26:13	error 11:5,22	except 7:19 32:6
62:11 94:12	encounter 74:1	37:12	90:18
early 33:10,11	103:16	escambia 93:14	excess 57:13
33:13	encourage	especially 34:9	excessive 91:17
east 63:12	28:18	estate 26:19	excuse 28:13
easy 45:16 46:1	ended 13:8	estimate 66:7	65:15 106:2
economic 15:7	energy 13:9	estimated 61:14	executed 14:5
59:21 79:21	enforce 29:9	et 26:19	executive 94:20
80:9,18,21	engineer 1:20	evaluated 71:1	101:19
00.7,10,21	39:18 62:6		

[exhibit - fix] Page 116

exhibit 14:17,19	explained 30:18	102:8 104:7	103:22 104:2
22:3,4,9,12,13	exploration	family 56:9,10	fields 39:14
22:14,15,16	101:20	56:14	figure 24:23
25:7 41:7 43:21	extend 39:12	far 68:7 90:18	25:2 44:18
44:21 45:1,22	41:3 80:2	feel 21:4	75:11
46:9,10 48:9	extension 42:11	fees 37:18	file 28:7 39:17
49:8 50:8 95:2,2	47:11 100:11	feet 57:19,20	94:18
95:4 98:4,8	extra 18:13	ferguson 47:12	filed 12:14
102:17	79:12	48:11	13:13 28:11
exhibits 9:6	\mathbf{f}	field 10:12 13:2	39:11 53:12
12:9 14:9,14	facilities 37:1	13:16,19 14:21	96:12 98:12
25:5,6 27:13,15	80:16	15:5,8,10,12,12	102:9
32:1,5 48:13	facility 80:13	15:17,18,22	find 56:18 57:3
53:3 58:22 90:9	facing 94:6	16:2,19 18:1,5	77:23 78:1
95:4,5 98:4,14	fact 19:1 94:20	18:17,23 19:16	79:13,21 82:7
100:18,20,23	factor 58:4	20:8,13,22	fine 37:14
102:13 106:8	63:21,22 64:2	23:23 29:1,11	fire 47:7,12
existing 30:6	factors 64:4	31:13 34:4,5,17	48:10 57:2,8
87:17	facts 14:15	34:18 37:2,3,3,5	58:17 95:18
exp 107:23	fail 17:5	40:11 41:5,10	first 6:7,16 8:22
expect 23:6	failing 16:17	47:7,12 49:1,3	10:1 29:19 38:8
105:16	fails 16:6	50:13,20 51:2,4	38:17 40:6 41:1
expected 98:18	failure 16:3,5	51:23,23 52:12	51:7 65:14
expense 91:16	16:13,14,16	53:8,12 54:1	80:10 86:14
92:5	17:9,11,12,20	57:2,8 58:17	90:11 94:8
experience 13:6	23:11	59:3,6 63:20	95:22 98:4
13:11	failures 15:23	65:23 68:6,8	101:11
expert 13:16,19	16:2	75:7 76:16,16	fishing 24:10
13:22 39:21	fairhope 101:7	77:9 78:7,16	25:21
40:1 101:22	fall 71:21	79:14,19 81:12	five 16:18 19:21
102:5	familiar 12:13	81:16,18 82:1	24:3 84:9 90:22
expires 107:22	12:16 13:23	83:17 84:3,8	93:13
explain 21:16	39:10 51:1	93:14 96:6,17	fix 20:1 21:23
26:23		100:7,16 103:5	24:18

Veritext Legal Solutions

[fixed - goes] Page 117

fixed 17:11	forgot 92:18	59:20,21 66:11	98:6
19:14 23:9,9	form 46:11	80:22 89:8 97:7	gazette 98:8
29:20 57:15	formation 71:13	99:17 102:23	gen 1:17
105:1	103:7	103:9,19 104:1	geologist 1:21
			1:22 50:2 88:12
fixing 16:13 17:13 33:20	forth 62:6	g	
	forward 25:4 four 14:21	g 1:12 2:14,20	94:17,19 101:22
35:11		3:3,9,15,21 4:4	getting 15:19,20
fletcher 5:4	16:18 26:6 45:4	4:10,16 38:12	15:21 17:16
100:5,9 101:18	57:19,19,20	38:16 107:21	35:11,12 55:6
102:9 104:2	77:12 92:8,9	game 90:17	82:3,16
105:13,17	frac 87:18	gardner 41:4,9	gilmer 49:16,21
flood 34:20	fracking 49:22	42:12	49:23
flooded 34:19	frame 48:5 50:4	gas 1:1,8 4:23	give 13:3 43:16
34:23	71:20 87:20	6:21 7:3 13:6,6	71:20 102:21
floods 35:1	frank 33:21	28:20 29:1	given 63:23
flow 20:7,7	frankly 16:15	51:10,15 52:4	107:12
focus 15:14,19	19:10,17 20:2	53:18 54:13	gives 10:8
16:9 23:7,11,12	24:20 31:7 34:2	56:5,5 57:17,20	giving 39:21
34:1	34:17 36:7,15	57:23 58:9 61:6	glad 64:9
focused 17:15	frequently	61:8 65:22 66:4	go 9:6,7,11 11:7
17:16	90:23	66:13 69:3 72:9	15:13,18 17:6
follow 46:14	fresh 76:22	72:14,17,21	17:21 20:1,4
followed 98:6	freshwater 79:9	73:5,6,6,16,16	31:14,14 32:22
following 45:23	front 66:4,8	73:18,20,20,22	38:23 42:21
46:9	further 29:15	74:2,3,5 75:14	45:6 46:15
follows 7:13	55:19 58:13	75:14,15 76:6,8	53:13 62:4 65:7
10:2 38:18	60:6 74:1 75:4	76:10,11 79:8	78:6,16 83:4
95:23 101:12	90:7 107:13	80:3,10,19,23	87:13,18 91:21
foot 86:18	furthermore	81:23 82:4,10	91:21
force 28:4	6:19	82:11,19,21,23	goal 17:14 18:22
foregoing 107:7	future 21:4,5	90:12 95:13	31:16 33:22
107:10	24:14 26:2	96:4,10,21	36:19
forget 92:16	41:17,18 42:8	97:13,16,20	goes 36:7
	49:13 54:8	71.13,10,40	
	T7.13 JT.0		

	0 7 4 4 4 0 0 5 4	, , , , , , ,	1
going 16:23	85:14,18 86:1	hear 7:14,14,18	houston 9:19
17:14 19:9 21:1	105:5	62:13	hrg 1:17
21:12,22 23:8	gross 35:18	heard 7:19 8:22	huge 37:5
23:12,20 24:2,5	ground 17:16	56:8 93:15	huh 61:9 71:10
24:6,23 25:3	33:17 75:15	hearing 6:2 7:3	human 37:16
26:9 30:20 32:7	77:5,11	7:4,10,13,16,17	hydraulic 67:14
36:22,23 40:11	guard 75:10	10:15,20 32:4	hydrocarbons
40:18 47:23	guess 46:4 61:12	38:23 48:10	29:10 97:21
55:23 56:2	62:13 65:10	49:4 81:8 84:21	hypothetically
59:10 64:22	77:1,8 83:6 88:4	89:5 102:6	44:9
77:6 78:15 89:4	guide 46:9	106:13,16,18	i
90:11 93:22	h	held 65:21	
94:9 96:13		help 82:20	idea 61:17,18
good 9:3 19:15	h 1:18 26:18	helping 83:17	identified
24:22 30:1	hackberry 1:10	84:13	102:11
36:16 37:7 44:6	hagler 67:8	hey 37:19 56:4	ii 2:5 9:1 10:5
55:22 56:1	half 96:16	high 88:3	100:16
64:11 65:2 81:3	hall 1:10	higher 35:19	immediately
82:9 89:17	hand 9:6,21	highest 18:17	30:8
97:19	38:14 40:15,18	61:5,7	important 99:5
gordo 80:12	40:19 101:8	hilcorp 13:7	impression
gosh 96:10	handed 100:19	historically	82:17
grace 66:20	102:14	19:16 20:18	improve 98:23
67:2	handling 33:4	history 13:4	improvement
granting 28:10	happen 34:9	18:19,19 102:22	31:15
28:17,22 29:3,8	happened 30:19	holding 37:13	inactive 43:13
42:11 97:22	happy 6:7 22:9	holiday 94:6	84:23
104:11	22:19	holloway 68:17	inaudible 85:13
	hard 16:7 34:12	homan 67:8	including 25:9
greater 16:3,4,5	36:16 56:18		76:8
gregory 1:20	hauled 35:17	hook 54:17	incorporated
76:13,19 77:1	hazard 27:23	hope 33:3 34:3	8:1,14 38:4
77:17,21 78:6	head 48:16	hoped 81:9	50:19 95:13
78:20 79:5,23		hopefully 16:20	
83:6 84:19		17:4 43:18	

[incorrect - know] Page 119

incorrect 11:12	injector 26:12	8:1,2,3,4,6,7,8,9	jobs 24:10 25:21
increase 83:14	input 79:8	8:10,12,23,23	joe 87:7
index 2:1	inside 64:3,14	38:2,4,8 40:6	john 5:1 8:15
indicates 97:16	92:8,9	41:1,8 42:20	95:18,21 98:19
information	inspection	46:21 47:5,5	jones 1:10
6:19 7:9 14:13	102:10	48:22,23 50:18	josh 35:14
45:8,15 54:12	inspectors	50:20 53:6,6	jr 1:18
75:3 102:16,19	35:15	55:19 56:23,23	jumps 93:18
105:14	install 53:20	58:14 59:2,2	k
initial 32:18	installed 67:15	60:6 62:21 86:6	keating 69:4
initials 11:19	intend 20:1	93:8,8 95:12	73:14,15
inject 72:14	21:23 33:21	100:3,4	keep 18:3 40:18
73:22 78:2 80:3	34:1 97:7	items 6:4,10,15	40:18
80:11,17 81:15	intends 97:8	6:17 7:14,17,18	keeping 31:18
82:11	intention 15:17	7:19,20,22 8:22	63:13
injected 79:15	interest 64:18	38:3,22 39:5,22	kept 68:6,6
injecting 75:22	90:2	58:23 89:5 93:7	72:13
76:16 80:15	interested	j	kin 107:14
105:2	107:15	j 26:18 59:8	kind 45:21 75:2
injection 26:6	intermediate	january 35:8	75:21 94:2
65:22,22 66:4	86:18	jebsco 90:19,20	kirk 1:19
66:14 68:1,12	interrupt 10:21	jennifer 1:23	know 15:9,13
68:16,23 69:3	inventory 43:22	7:7 40:4	15:19 16:4,18
72:10,17 73:6	75:4	jeremy 35:14	16:21,22 17:4
73:17,18,20	involved 56:16	jerry 44:21	17:15 18:18,22
75:12,14,19,23	involves 86:6	52:16 61:11	20:21 23:10
76:3,11,14 78:4	issue 16:1 36:8	90:14	26:10 31:4,11
78:5 79:10,20	iggrang 10.22		· · · · · · · · · · · · · · · · · · ·
70.5 75.10,20	issues 19:23	iim 2·7 9·14	33.4 9 22 22
79:21 81:8,10	21:22 24:4 25:2	jim 2:7 9:14	33:4,9,22,22 34:2,7,9,12,16
,	21:22 24:4 25:2 91:1	10:22 21:11	34:2,7,9,12,16
79:21 81:8,10	21:22 24:4 25:2	10:22 21:11 37:15,19	34:2,7,9,12,16 34:20 35:11,11
79:21 81:8,10 81:23 82:4,10	21:22 24:4 25:2 91:1 item 2:3,4,10,16 2:22 3:5,11,17	10:22 21:11 37:15,19 job 19:23 21:22	34:2,7,9,12,16 34:20 35:11,11 35:13,18 36:10
79:21 81:8,10 81:23 82:4,10 82:23 84:2,7,11	21:22 24:4 25:2 91:1 item 2:3,4,10,16	10:22 21:11 37:15,19	34:2,7,9,12,16 34:20 35:11,11 35:13,18 36:10 36:17 45:6,9,13
79:21 81:8,10 81:23 82:4,10 82:23 84:2,7,11 103:20 104:18	21:22 24:4 25:2 91:1 item 2:3,4,10,16 2:22 3:5,11,17	10:22 21:11 37:15,19 job 19:23 21:22	34:2,7,9,12,16 34:20 35:11,11 35:13,18 36:10

Veritext Legal Solutions

[know - managing]

(2.0.15 (4.5.01	1	lacation 70:10	
62:8,15 64:5,21	leases 28:3	location 72:18	m
72:1 77:12,19	leave 20:20	103:18	mack 51:6
83:7 84:6,21	37:20 99:4	locations 77:13	made 7:5 35:20
85:12 90:18	leaving 21:2,8	log 47:18	46:17 56:5
91:4 98:20 99:4	left 60:12 61:10	logged 47:17	105:15,15
99:5 104:19	62:7	86:21	magna 81:3
knowledge	legal 98:7	long 91:3	main 20:10
14:12 102:18	leigh 105:20	look 10:22	81:12
knows 36:10	leslie 86:14	24:19,20 49:7	maintaining
1	level 36:9	looking 30:12	79:18
lack 88:17	lewis 44:10,12	44:23 60:20	maintenance
laid 22:19	56:10	71:14 105:18	14:23
lake 59:3,6 96:6	life 34:10	losing 78:9	make 16:8 24:7
96:17	line 43:7,11	loss 30:18	24:8 25:3 26:11
lamar 96:6,18	59:15	lot 16:12,22,22	30:8 31:8 32:12
land 2:11,17,23	list 19:12,20	16:23 23:10	37:22 41:23
3:6,12,18 4:1,7	21:7,15,16 23:4	34:17 35:16,19	44:21 47:4,20
4:13 8:13 38:3,7	23:6 24:8 30:14	45:10 56:13	48:21 50:16
39:5,11 41:2	43:9 45:12	63:13 77:2	53:5 56:22
47:6,22 48:23	76:11 98:3	78:11 81:19	58:20 62:2
50:18 53:8	listed 22:6 30:13	83:8 99:3	91:21 93:6
	31:5	lots 48:3 56:5	95:11 100:1
58:23 62:22	listing 45:5	love 27:8 63:10	105:21 106:3,3
81:18 90:10	little 17:11	low 35:2 36:9,18	105:21 106:3,3
91:9 92:15	19:11 102:21	41:15,15 49:10	
lane 1:10 95:19	104:23	51:9,9 52:4 58:9	makeup 76:20
lap 92:23	llc 2:6 4:19 9:2	70:21	76:21 79:12
large 107:4	10:5 93:9,11	lower 87:19,19	making 31:10
largest 10:17	94:20	lowest 24:1	48:1,1 79:6 94:2
late 34:10 62:12	load 36:6	luck 33:15 37:7	97:5 105:9
106:4	local 56:10	luckily 35:19	man 35:13 56:4
latest 54:12	located 96:15	lumber 37:22	62:16
learned 48:3	100:15		managing 12:23
077 272 2660	Veritext Leg	gal Solutions	000 000 4050

[march - never] Page 121

march 35:8	99:22	minute 23:8	named 41:9
96:18	mean 11:3 16:5	mixture 20:8	narrow 43:15
mark 5:5 100:9	18:12 20:1,20	mobile 105:16	natural 2:5,11
marked 41:7	31:7 33:18 34:5	mobilized	2:17,23 3:6,12
market 98:22	34:9 35:17 36:7	104:23	3:18 4:1,7,13,23
99:14	43:14 75:10	money 16:8,12	8:13 9:1 10:4
marvin 1:17	77:8 84:12	16:22,23 17:5,7	28:19 38:3,7
mason 88:12,18	meaning 16:4	17:12,13 20:2	39:12 41:3 47:6
massive 20:10	17:3 89:11	34:18 35:10,20	47:22 50:19
20:11,16,19	means 107:9	79:20 92:4 94:2	53:8 80:15
23:14,20 26:17	measured 55:5	monitor 68:7	91:10 95:13
27:11	mechanism	monitored 55:4	96:4,10,21
matter 41:13	65:23	month 18:6,9,10	97:13,16,20
50:8 58:6 98:10	meeting 6:5,11	18:21 35:7	98:6
matters 14:14	7:12	94:11	near 72:21 84:2
106:5	meetings 6:21	months 18:7	nearby 71:11
mccracken	meets 20:14	93:17,20,23	necessary 43:21
48:23 49:3	member 12:23	morning 9:3	97:15
50:12	members 37:12	moundville	need 16:15 20:4
mcevers 49:2,8	mention 90:11	92:17,19,20	20:15 23:13
mcgee 59:3,6	105:11	mountain 49:1	24:19,19 25:1
96:6,17	mentioned 23:2	49:3 50:12	25:20,22,23
mcmillan 93:13	24:3 25:20	move 23:22	31:7,8 45:6
mcquillan 1:19	26:14 35:17	49:17 80:17,20	53:20 91:19
43:1,2,6,12,18	meter 54:20	movement 31:5	needed 82:19
52:16 58:18	methane 90:16	moving 33:19	needs 12:4
61:4 63:6,8 75:8	mid 35:8,8	n	15:19,20 17:17
75:9,17,21 76:2	middle 99:8	name 9:14,17,18	20:14 91:17
76:7,12 80:1,6	million 17:1	11:20 32:18	105:22
81:7,14,20,21	33:19 80:14,16	38:11 72:2 86:9	negative 30:17
82:2,7,12,16	mills 63:13	95:16 100:9	neither 107:13
83:2,23 84:5,14	mind 18:3	101:4	never 15:15
90:19 98:16,17	minor 17:9,11		18:19 80:7
99:1,3,8,11,17			83:11 103:5,8,8

[new - operates] Page 122

new 71:2,18,22	noticed 6:6,12	105:21	97:16,20 98:6
72:2	november 1:3	numbers 45:18	100:16
newman 69:8	1:11 6:2,5,10,17	numerous 78:3	okay 9:11 12:7
news 55:22 56:1	6:22	0	33:2 37:21
newspaper	number 2:3,3,4	o 19:20	40:15,20,23
98:10	2:10,16,22 3:5	o'clock 6:1	41:20 42:2,9
newspapers	3:11,17,23 4:6	observation	44:17 49:12
10:17	4:12,18,22 5:3	68:5	50:3,7 51:11,19
newton 96:11	7:21,22 8:1,2,4	obvious 84:12	52:23 53:23
97:4 98:5,12	8:5,6,7,8,10,11	occur 55:15	54:4,16 58:2
nick 1:18	8:12,22,23 12:8	october 15:11	59:14,17 60:22
nix 2:7 9:4,9,13	14:18,19 19:21	43:4	64:2,9,22 65:6
9:14 10:4 11:1,4	22:3,14 24:3	office 106:1	66:7,11 67:17
11:9,13,16,21	26:19 27:4 38:3	officer 1:17 7:3	68:9 70:18,19
12:6,8,12 13:18	38:5 41:10	7:10,13,16	71:20 72:1,5,21
13:23 21:13	42:13 44:22	offshore 7:23	73:2,19,23 74:6
29:13 31:23	45:12,14,17	ogden 53:14,16	74:9 75:2,17
32:13,16,19	47:6,13 48:11	55:22 56:9,14	76:2,12 77:22
33:2 37:10,21	51:6 52:1 53:7	oh 11:4,10 33:6	79:22 81:14
noncommercial	57:1,10 59:3,8	40:15,17 60:22	82:12 83:2 84:5
103:7	62:21 65:15,16	62:9 67:17 74:6	86:1,2 87:3,14
normally 20:21	66:20 67:3,8,21	99:12	87:20 88:7,10
north 61:5,6,8	68:3,10,14,17	oil 1:1,8 4:23	88:15 89:14
62:5 96:16	68:21 69:1,4,8	6:21 7:2 13:5,6	99:1 102:16
northwest 53:18	69:11,14,17,20	27:5 28:20,23	103:23 104:7
54:13 90:17	69:23 70:3,7,17	31:8,10,11,13	105:3
notary 107:23	72:3,8,9 73:10	33:16 34:8,14	ones 22:20 40:5
note 58:22	73:14 74:10,19	35:22 36:2,16	56:10
90:21	86:15 87:7 88:1	47:7 51:15	online 59:11
notice 10:14,14	93:9,12,13	62:23 73:7 79:8	operate 34:12
10:23 11:10,11	95:12 96:3,7,14	90:12 93:18,22	74:22 84:18
11:14,23 32:6	96:15 97:1	95:13 96:4,10	90:14,14 91:9
98:7	100:4,13,13,14	96:21 97:2,13	operates 44:19
	100:15 103:2		81:18

[operating - phoenix]

_			
operating 2:6	overkill 45:21	particular 41:8	permit 23:18
9:2 10:5 94:20	46:5	47:15 48:6 49:4	26:19 45:17,18
operation 67:6	overseeing	50:4 51:20	96:15 100:13,15
98:19	101:20	72:19	personal 105:21
operations 13:1	owen 5:6 101:6	particularly	personally 14:8
101:20 104:2	101:6,10,17	17:15	pertaining
operator 24:22	102:4 104:15,21	parties 59:22	27:16
90:2 93:16,18	105:7,19	107:14	petition 7:23 8:2
operators 45:11	own 81:8	pass 40:8	8:3,4,5,6,8,9,10
91:2	owned 34:13	passed 62:7	8:11,13 9:1 10:9
opinion 28:10	56:11	96:20	12:14 14:3,6
29:8 97:22	owners 15:4	past 34:13	19:5 28:11 41:2
103:23 104:4,11	29:10 55:12	104:21 106:2	47:6,10 48:23
option 85:7	90:3 104:13	pate 100:12,14	50:18 53:8
order 7:2,5 27:3	owns 97:20	103:2,14 105:7	62:21 63:18
37:20 54:22	р	patterson 1:21	93:9,11 95:13
58:5 63:16,17	p 29:21 30:4,7	29:17,18 30:9	97:23 100:4,10
65:21 66:16	61:12 62:3	30:11,23 31:3	102:9 104:12
68:6 81:23	packet 102:17	31:17,21,22	petitioner 10:6
97:12	page 2:3 22:3,14	payments 18:15	petitions 39:11
original 9:10	44:2 99:9,9	people 34:13	petroleum 5:4
40:5 80:2	paper 63:5,10	99:4	13:16,20 39:18
originally 13:8	63:13,13	percent 18:9,11	94:17,19 100:5
61:16 78:16	paralegal 1:23	34:8 77:9 97:20	100:10 101:18
103:3	parham 70:6,6	perfectly 79:17	101:22 102:10
originals 9:4	70:16 72:3	perforate 87:18	phil 96:11
100:18	parkway 9:20	97:14	phillips 13:7
oswald 19:21	parkway 9.20 part 7:5 32:3	perforating	phoenix 2:5 9:1
oswell 24:3	66:12 104:23	49:21	10:4,7 11:3
ought 91:6	participation	period 18:15	12:22,23 13:8
outside 90:15	63:20 64:1,4	35:7 63:23	13:10 15:4 22:4
overall 83:17	65:2	94:12 96:23	24:12 28:6
84:3	03.2	permeability	45:11
		82:19	

[phone - previous]

phone 105:14	pleased 90:13	portray 14:14	prefiled 10:13
105:21	pleasure 62:18	pose 27:23	12:8 32:1 94:16
pickens 86:10	plenty 56:8 63:5	poses 97:17	100:17,19
pieces 40:10	plug 24:12,15	position 12:22	premature
pilot 20:8,10,13	24:18 41:18	62:6 101:17	24:15 28:12
20:16,19 21:5	42:3,6 49:15	possibility	42:3,6
23:13	51:13 52:7	41:19	prepare 14:8
pipe 36:23 37:2	64:14 85:9	possible 103:9	prepared
pipeline 53:17	91:16,20,21,23	possibly 65:8	102:13
54:3,3,6,10	93:16 94:1,7,9	66:13	present 7:15
57:13 58:2,4,7	94:13 97:6,13	posted 6:19	72:14
59:18 74:4	plugged 64:6,18	postings 6:23	president
80:12,13	65:1,5 91:6,7	potential 17:23	101:19
place 26:4 59:23	92:15 93:20	49:15,23 51:13	pressure 14:22
71:21 106:3	94:4 97:10	52:7 57:23	14:22 20:21
plan 30:12 31:1	103:8	72:16 86:22	24:1 34:4 68:7
49:16 51:19	plugging 28:6,8	87:13 88:8,11	75:22 78:9
52:5,8 60:2	28:12,14 64:2	89:7,11 91:4,22	79:19 82:23
79:13 84:15	85:17 91:8 92:4	97:3,7,14	83:14
planned 30:15	92:6	103:18	pressures 15:21
30:21	plugs 92:8,8	potentially	17:17,21 23:23
planning 26:4,5	point 7:7 21:3,5	52:17 103:11,12	61:13
26:7,12,15	21:14 44:5 55:2	pottsville 47:21	pressurized
53:21 94:13	55:3,6,7,8 57:14	47:23 48:4	20:15
plans 22:4,8,11	63:7,22 64:21	51:14 52:8 71:8	pretty 15:12
22:16,19,22	65:2 66:14	71:9,12,15,16	19:15 36:12
24:12 41:16	74:23 79:5	86:19,20 87:2	90:16
42:2 47:15	80:22 82:10	87:13,15,19	prevent 28:12
49:12 70:22	83:10 97:11	88:9,17 97:5,8	28:14 29:4
79:7 88:15,18	103:13,22	pounds 20:21	42:13 97:23,23
93:16 102:23	pointed 94:5	20:23 21:1	104:12
play 82:15	pool 27:5,7 97:2	practicing 96:8	previous 60:13
please 15:7	poor 63:22	prater 69:11,14	60:16
95:15	79:10	69:17	

[previously - question]

previously	produced 23:16	program 79:16	pursuant 1:11
12:19 13:15	27:1 57:17	project 36:22	27:3
96:11 98:12	76:15 90:23	projects 23:15	pushing 73:7
101:21	91:3 97:2	promulgated	put 11:8,19,19
price 35:19	producer 21:6	63:16	19:21 20:16
49:11	26:12	proof 9:5	21:21 22:1 25:1
prices 41:15	producers 81:3	100:22	30:3,20 32:17
51:10 52:4	produces 44:9	proofs 6:15,16	41:20 49:19
58:10	63:12	7:8 12:1	53:19 57:15
prior 10:19	producing	proper 11:20	58:3 59:11,22
24:21	14:21 17:3	28:7 85:19,22	60:2 62:6 63:10
probably 16:3	25:14 50:1 61:6	properly 6:5,11	71:4 73:17 77:4
29:23 30:2 44:7	61:8 71:7,7	11:12 105:9	77:4,10 78:14
78:23 84:9	78:22 84:10	prospective	83:11 85:5
92:15 99:5	85:2 87:12 88:9	43:17	99:18
problem 33:14	94:1	protect 29:9	putting 59:14
procedure 7:12	production 26:5	42:13 90:1	63:11 71:17
procedures 92:7	26:21 28:18	104:12	75:15 78:10
proceed 12:7	30:17 31:8	protecting	79:2
65:10	41:15,21 43:4	55:10 98:1	q
proceedings 1:7	49:10,19 51:9	prove 34:2	qualifications
process 62:4	51:12 52:4	publication	13:13 39:18
produce 21:6	53:19 54:22	6:15,17 7:8 9:5	94:19 102:2
23:21 26:15	55:9 57:13 60:8	12:1 95:2	qualified 94:17
27:4,8,11 41:14	61:14 63:23	100:22	quantities 103:7
43:7,8 49:10,22	71:5,18 81:13	published 10:15	103:17
51:9 52:3 54:5	84:8 88:3,16	11:15 98:9	quarter 70:11
54:10 55:7,23	89:12 92:9	pump 20:3	70:12
56:2 57:23 58:5	productive	41:23 67:14,16	question 30:1
61:16 66:5	71:12 81:13	purchaser 53:17	30:11 34:14
70:20 74:2 77:5	88:13 97:9	purposes 26:7	42:9 45:3 52:20
81:1 87:11,15	productivity	38:23 40:6 89:5	52:22 60:7 65:9
97:21	63:22	102:5	77:2 78:18
	Veritext Leg	gal Solutions	000 000 4070

83:20 84:14	raining 36:14	receive 48:9	82:23 83:19
91:3 98:18 99:6	raise 9:21 38:14	94:21	recovery 28:23
99:7 104:17	91:1 101:8	received 6:14	65:19,23 67:1,6
	ran 16:10 82:11	32:2 96:19	68:19 69:7,10
questionnaire			· · · · · · · · · · · · · · · · · · ·
43:3,3 49:8 50:8	range 70:12	recently 36:8 105:20	69:13,16,19,22
51:5 98:5,11,23	96:17		70:2,5 73:12
questionnaires	rate 16:3,5,13	recognized	79:16
25:9 53:13	16:14,16 17:2	13:15,19,21	recycled 35:19
100:20	17:13 18:5,16	39:23 102:5,7	redetermination
questions 10:8	18:17,21 23:11	recommendati	64:14 65:4
29:14,15,16,19	23:12 31:11,13	32:12 47:4	redoing 17:7
31:20 32:8,11	rates 41:15	48:21 50:17	reduce 64:17
42:22,23 47:1,2	49:11 51:9 52:4	53:5 56:22	reese 68:2
48:12,15,18	70:21 88:4	58:20 62:2 93:6	reference 43:21
50:9,11,16	rather 74:2	95:11 100:1	referencing
52:13,14 55:19	94:12	106:10	62:3
55:20,21 58:14	reach 66:8	recommendati	referred 54:1
58:16,19 75:5,6	105:22	7:15 8:19	referring 10:7
83:3,4 86:2	reactivate 97:12	recomplete	75:3
88:21,22 89:2	ready 54:17	23:17,20 26:16	regular 1:8
90:7,7 98:15	real 17:18,19,22	27:10 41:22	regulations
104:16 105:3	20:13	43:7 97:9	12:17 27:20
107:8	realized 37:15	recompleting	29:5 89:20
quick 29:18	really 16:17	71:14	reinstated 72:16
quite 91:15	18:18 24:23	record 6:18 7:1	related 48:23
quo 84:16	33:23 44:14	7:5 9:13 12:2	50:20 53:7 59:3
r	77:20	32:3 43:20	79:8
	reason 15:16	44:13 48:9 61:5	relates 57:1
r 2:14,20 3:3,9	19:17 24:17	64:10,12 83:7	62:22
3:15,21 4:4,10	34:11	84:20 92:15	relating 10:12
4:16 38:12,16	reasonable	94:21 95:1	47:7
51:6	105:16	102:2	relief 28:11,17
rain 36:10	reasonably	records 24:21	28:22 29:4,9
	103:11	24:21 44:5	93:21
	L	_	1

Veritext Legal Solutions

[remarkable - right]

remarkable	require 19:23	85:1,3,4 86:4	11:13,15 16:7
61:21	21:22 24:10	105:16 106:7,14	21:19 29:21
remember 72:1	25:21,21 49:21	responses 78:11	30:2,22 31:2,8
92:20	59:11 92:7	83:8	31:12,17 32:5,7
removed 97:12	required 25:8	responsible	34:12 35:2,3
repair 26:4	91:23	13:1	36:4,5 38:2,10
repairing 18:1,3	requires 51:17	responsive	38:14 39:4,7
repeat 42:10	reservoir 20:9	105:13	40:23 41:6
report 7:11 62:5	34:3 71:2 78:1,9	rest 7:18 22:23	43:12,19 44:1
reports 106:4	79:3 83:10	40:19	45:22 48:8,13
represent 10:4	103:13	restoration	49:18 51:22
100:9	reservoirs 20:10	23:13	52:5,10 54:6
representing	20:12	restore 26:13	55:6,18 58:9
38:7 96:10	resource 2:11	restoring 17:2	59:19,20 60:1,5
represents	2:17,23 3:6,12	result 28:23	60:9 61:20
107:10	3:18 4:1,7,13	79:11 107:16	62:20 64:9,16
repressure 24:1	8:13 28:19 38:4	results 47:18	64:19,20,23
73:6	50:19	71:3 79:11	65:3,5,20 66:15
repressurization	resources 2:5	revenue 89:11	67:2,12,17 68:2
23:9 66:8 77:15	9:1 10:5 38:7	review 32:11	68:9,13,20 69:4
request 11:23	respectfully	47:3 48:20	72:7,13,15 73:8
13:18 25:9	10:18	50:16 53:4	73:9,22,23 74:9
31:23 96:4,12	responded 78:3	56:21 58:20	74:12,17,18
98:5	response 8:20	61:19 62:1 93:5	75:14,15 76:9
requested 26:18	61:23 65:18	95:10 99:23	76:12,12 78:5
28:11 29:3	66:23 67:5,11	106:9	79:3,18 80:5
requesting	67:18,23 68:11	revise 46:8,8	81:6 82:2 83:18
25:13,19 39:12	68:15,18,22	richards 69:20	85:3,23 86:22
41:3 47:11	69:2,6,9,12,15	rig 16:10 19:22	87:6,12 88:20
89:23 96:21	69:18,21 70:1,4	21:21 25:1,23	91:13 92:6,7,12
100:5,11 102:10	73:11 74:11	30:6 35:6,9,12	93:2 94:14,23
requests 78:11	77:2,3,6 78:12	94:6,11 104:23	99:10 101:8
105:13,14	78:15 82:10	right 6:13 7:21	102:20
	83:9,13,16 84:8	8:15,21 9:11,21	

[rights - second] Page 128

	1	I	1
rights 29:10	56:21 58:15,16	S	78:18,21 80:1,5
42:14 55:11,12	58:19 60:6,10	s 1:17	80:9 81:11,16
90:1 97:21 98:2	61:11,20 62:1,8	sad 62:5	82:5,9,13,22
104:13	62:10,13,16,18	safe 27:19 42:16	83:15 84:4,6,17
rigs 16:12	63:4,12 64:5,11	57:22 97:17	85:8,12,16,20
river 35:2 36:6	64:16,23 65:10	safeguard 29:9	86:15 87:4,21
36:17,17	70:14,18 75:6	sales 55:2,3,8	88:8 89:3 91:9
robinson 52:1	83:4 86:2,5,8,11	saltwater 14:21	91:11,15 92:5
rod 67:16	88:22 89:2 90:9	93:13	92:14,22
roger 94:5,16	90:20 91:13	sand 27:5 41:19	sands 51:16,17
rogers 1:17 6:1	92:3,12,18 93:2	49:16 51:14	52:8 97:3
6:10,13 8:18,21	93:5,10 94:14	86:19,20 87:13	sanford 73:10
9:8,11,13,16,21	94:22,23 95:7	87:15 88:12,18	satisfied 79:17
10:21 11:2,6,11	95:10,14,16	97:2,5,14	save 92:4
11:14,17 12:3,7	96:2,7,14 97:1	sanders 2:14,20	saying 30:23
13:21 21:11,19	98:14 99:21,23	3:3,9,15,21 4:4	84:1 99:16
29:13,16 31:20	100:3,8 101:1,4	4:10,16 38:12	says 44:14 88:12
31:23 32:5,10	101:8,14 102:7	38:12,16 39:10	scanning 40:6
32:14,17,21	104:17 105:3,11	39:21 41:7,17	schedule 59:12
33:3,8,11 34:19	106:6,8,12,15	42:4 43:2,5,9,16	scheduled 94:3
35:1,22 36:3,12	role 82:15	44:16 45:2	98:22 99:14
37:7,10,14,19	roughly 103:15	47:13 49:7,14	schematic
37:23 38:6,10	royalty 18:15	50:5,9,23 51:2	100:20
38:14,20,21	90:2	52:13,18 53:12	schematics
39:2,5,20,23	rpr 1:12 107:21	55:16 56:4 57:7	25:10 27:15
40:7,9,13,17,22	rules 12:16	57:18 59:6 60:7	scogin 5:5 100:7
41:1,8 42:20,21	27:20 29:5	60:11 61:9,18	100:8,9 101:2
44:20 45:9 46:4	89:19 91:19	65:14 66:22	101:16 102:4,8
46:20,23 47:3	run 35:6,9	67:13 70:23	104:15 106:11
48:11,13,17,20	47:20 86:23	74:14 75:9,13	scott 20:6
50:11,15 52:12	101:6	75:19,23 76:5	season 94:6
52:14,19,22	running 30:7	76:10,15,21	sec 1:18
53:3 55:20,21		77:7,19,23	second 30:11
56:7,13,16,18		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	33:1 51:22
L	1	1	

Veritext Legal Solutions

	1		
secondary	session 1:9 6:3	25:8,11 26:20	site 79:10
65:19,22 67:1,5	set 7:17 61:5	27:17,19 28:15	situation 41:11
68:19 69:7,10	64:6 92:8 97:13	53:16 57:12	47:14 51:7
69:13,16,19,21	100:17	65:18 66:23	57:11 59:9
70:1,4 73:11	sets 22:16	67:10 68:11,15	65:16 66:2,3,17
79:16	setting 62:4	68:18,22 69:2,6	66:21 67:4,22
secretary 6:20	seven 14:22	69:9,12,15,18	72:19 73:15
6:23 7:9	26:8 34:6	69:21 70:1,4	80:10,18 82:14
section 70:12	seventeen 75:1	87:10 96:19	84:13 86:16,22
96:16	several 9:8	si 98:4	87:8 88:2
see 10:22 11:13	39:13,14	side 23:19,23	six 34:7
16:15 17:23	severance 18:14	sidetrack	smackover
25:23 31:4,6,15	90:3	100:13 103:14	103:6,17
33:16 34:7	shakes 48:16	sidetracked	small 73:1
42:22 48:22	shallow 19:22	103:12,21	sold 13:9
61:19 62:20	shape 15:12	signature	somebody 22:20
63:8 71:18 77:6	sheet 57:4 98:8	107:20	85:21
77:8 78:2,15	shelton 57:10	simonis 90:18	soon 59:22
81:20 83:13,16	sheri 1:12	simplest 92:4	sorry 60:22
85:3,4 93:22	107:21	simplicity 10:6	sort 45:17 46:2
99:15 103:9	shooting 16:14	45:21	77:17 96:12
seeing 17:12	16:19	single 55:2,3,8	sound 97:19
84:1	shortcut 45:13	sir 8:17 11:1,16	source 73:19
seeking 10:10	show 43:3 44:11	13:17 21:13	74:7 76:13 79:7
selective 84:6	showing 98:9	31:22 33:13,18	81:15 103:10,18
selling 74:2	100:20	34:22 46:22	103:21 105:6,8
send 37:23	shown 14:15,19	48:8 51:3,22	sources 79:14
sense 30:8 91:21	22:15 25:6	52:10 53:2	south 10:12
sent 11:11	27:13 44:5 84:7	56:20 58:9 67:2	11:2,8 13:1 15:4
separately 55:5	shows 19:2 44:4	67:7 68:2,13,20	15:8 23:22 29:1
separating 57:3	86:21	72:7 73:13	47:7,12 48:10
service 27:3	shut 10:11 14:1	74:12 85:7	70:12 96:16
serving 54:20	15:1,3 20:20	86:11 87:6 95:6	southeast 70:11
	21:2 22:5,17	95:9,15 100:8	

southern 80:14	stafford 62:7	74:22 76:9	suggesting 85:8
southwest 70:11	stamp 7:8	84:15,21,22	85:10,14,18
specific 22:20	stand 9:16	89:22,23 96:5	suggestion
23:15	38:11 83:21	96:19,22 98:11	46:16
specifically 97:4	95:16 104:18	100:6,12 102:10	summary 44:3
speculate 72:23	standpoint	statuses 44:3	summer 104:21
spend 15:18	83:11	statutes 104:9	supervision
17:13 79:20	start 64:2 82:3	steel 35:18,19	14:10
91:21	started 13:10	stenotype 107:8	supervisor 1:18
spending 35:10	80:8	step 32:19,22	supply 105:9
80:20	starting 13:7	47:20	support 14:6
spent 16:12,21	53:14	steve 56:10	supposed 19:15
16:23 17:2,7	state 1:1,8 6:20	stimulate 97:15	sure 19:9 35:14
19:17 20:2	6:23 7:2 9:16	stipulate 46:15	40:20 43:12
33:19 34:17	15:22 16:19	stop 65:8	45:20 66:19
spoke 105:20	18:12 28:1,19	stream 92:9	99:20 103:2
spring 101:6	28:20 38:11	strength 86:18	105:21 106:3,4
squeeze 19:23	64:11 80:7 90:3	strike 11:7,18	surface 35:16
21:22 24:11	90:15 92:16	strong 20:12	37:1
25:22 87:17	95:16 101:4	study 24:7	suspect 47:18
stacy 59:8,9,10	104:9 105:1	stuff 35:13 48:3	swamp 62:23
60:18,19,20,21	107:3	subject 49:3	63:3,17,21
staff 1:16 6:14	state's 7:10	102:22	72:22 74:13
7:13 29:17 32:7	stated 64:9	submit 50:7,8	75:1,5 86:3 88:5
32:10 37:11	75:18 81:7	94:15 104:15	swd 21:10,20
47:3 48:15,17	statement 83:22	submitted 14:9	22:1 26:13,14
50:12,15 52:15	states 44:3	43:22 51:5	swear 95:14
53:4 58:17 62:1	station 36:20,23	58:23 90:10	swedenburg
71:13 75:7	54:20	98:3	69:1
88:23 90:12	status 19:6,9	substantial 15:3	sweep 77:16
95:10 96:3	25:13,19 39:13	subsurface 17:1	sworn 9:15 10:1
98:15 99:23	41:4 42:12	35:13	38:9,17 95:22
102:14,21	47:11 52:2	successful 6:23	101:3,11
104:16 105:4,15	53:15 57:9 59:7	47:23 81:9	

[system - time] Page 131

system 80:23	96:13 98:20	testing 51:17	82:20 85:4
81:4	telling 71:13	tew 1:18 6:4,7	103:15
systems 106:3	tells 93:18	32:9 33:15 37:8	thinking 43:14
t	temporarily	37:10,15 45:16	thorn 95:19
	10:11 14:1,23	45:22,23 46:6,9	thought 45:2
t 7:23 8:2,3,4,5	15:2 19:5 22:5	46:12,14,18	thoughts 91:8
8:7,8,9,10,12 19:19 21:7 25:8	22:17 25:10,13	60:7,14,15,20	threat 42:17
25:19	27:18 28:13,15	61:1 62:9,15	97:17 104:5
ta 42:12 47:11	41:12 49:9	75:3 89:1 92:20	three 18:6,7,9
59:7 74:22 76:9	100:5,11	92:23 96:2	18:10,21 19:19
76:11 78:11	temporary 19:8	texas 9:19	20:10 21:14
84:21 96:12	27:16 28:14	thank 11:21	35:7 40:14
98:4,11 102:10	39:13 41:4 57:9	32:13 37:5,8,21	43:15 45:3
take 18:9 21:12	89:23 96:5,21	38:20 40:20	66:21 77:12
23:22 32:22,23	ten 6:1 10:19	46:18,19 76:7	80:14 81:2 86:9
37:17 40:2,7	40:10 90:23	79:23 86:1 95:6	86:15 88:23
41:20 49:18,20	tender 29:14	100:2 101:14	92:7,8
51:6 63:4 78:14	39:20 48:12	106:11,16	thursday 7:17
83:12 85:5	55:20 58:15	thereof 55:9	7:18
94:10 103:12,22	90:6	88:17	time 6:16 7:6
taken 27:2	term 104:7,8	thereon 14:15	15:18 19:17,18
107:7	terminates	thereto 107:8	24:19 26:10
talk 22:10	80:13	thesis 34:3	27:8 30:5 33:4
talked 23:7	terry 1:22 43:19	thing 17:10	34:21,21 35:6
35:14	test 97:4,8	22:18 59:17	35:10 37:6 40:2
talking 35:12	testified 10:2	64:17 81:12	40:10,12 42:10
tax 90:3	12:19 38:18	things 17:6	42:10 43:6,11
taxes 18:14	74:20 95:23	35:11 45:5	48:5 50:3 63:4
taylor 74:9	101:12,21	106:4	63:23 65:5
tear 98:8	testimony 1:7	think 25:17 30:6	71:20 73:21
tell 45:12 47:13	39:22 77:21	36:20,21 43:20	74:23 78:8
47:14 52:1	78:8 80:3 84:23	56:6 70:8 74:16	80:15 81:2 82:4
53:14 86:15	94:16 95:3	78:6,7 79:5	87:20 94:10
	100:21 107:11	81:11,22 82:3	104:19 105:12
977 272 2660	Veritext Leg	gal Solutions	000 000 4050

[time - used] Page 132

105:12 106:15	transcription	72:8,9 76:5,6,8	36:21
times 10:16 16:6	107:10	76:9,10,10 79:9	unheard 34:8
45:4	transferred	84:9 87:7 93:10	unit 27:7 55:9
today 7:15,19	103:4	94:13 99:9	62:22,23 63:19
8:22 10:9 19:2,3	truck 37:3	100:12 102:11	63:20,20 64:1,3
19:13 22:7 23:4	trucking 36:20	102:22 103:15	64:15 65:1
25:17 30:17	36:22	typographical	66:12 70:8 72:8
63:19 93:16	true 17:23,23	11:4 37:11	72:11,12,19
102:23	83:22 92:18	tyra 5:1 8:17	73:13,15 74:10
together 30:3	102:17 107:11	95:14,18,18,21	75:7 76:3 78:22
45:19 63:11	trust 63:9	96:2 98:21 99:2	80:3 85:13
told 30:19	try 45:6 65:7	99:7,10,12,20	93:14 100:16
tom 2:13,19 3:2	79:13	100:2	104:19
3:8,14,20 4:3,9	trying 20:9	u	unitized 78:7,17
4:15,20 38:6	84:20	uh 61:9 71:10	103:4
40:2,10 62:10	tubing 20:3	ultimate 36:19	unitizing 63:16
63:1 64:5	97:11	ultimately 13:8	units 28:3 55:13
tons 35:18	turn 21:23	28:23	university 1:9
took 15:9,11	turnover 106:1	unacceptable	unknown 73:21
16:2 19:10	tuscaloosa 1:10	16:7	unnecessary
104:22	27:5 38:13	under 14:10	98:1
total 14:20 44:4	95:19	26:5 47:21	unsafe 89:15
45:12,14	two 6:21 7:16	underground	unstapled 40:5
town 90:17	7:18 16:3,4,5,6	17:21	40:7
township 70:12	16:11,17 20:11	understand	uphole 97:3
96:16	25:6 26:19	31:19 85:7	upper 27:5
track 31:18	29:18 30:16	99:16,20	51:14 52:8
tract 64:7 65:2	35:7 40:13	uneconomic	upside 20:13
tract's 64:17	45:18 51:4	41:14 49:10	upstream 13:6
transcribed	52:11 53:11	51:8 52:3 70:20	use 17:5 30:6
107:9	55:12 56:8	87:11	88:4 91:22
transcript	63:22 65:15,16	unfortunately	used 68:4 72:15
107:11	67:3 68:10,14	15:21 17:19	103:10,20
	68:17 69:14		

[utah - wells] Page 133

	1	1	
utah 20:11,12	26:16,18 27:2,4	105:9,10	70:19 75:2
20:16 23:14,17	want 17:20	waterflood	77:16 78:20,21
23:21 26:15	23:15,17 27:10	15:14,15 17:18	79:22 81:21
27:5,12	31:6,15 33:16	17:19,22 20:9	82:6 83:19 85:6
utility 24:15	34:1 46:11	20:14 34:5	85:10 86:8,13
26:2 41:17,18	54:18 64:17	66:17 67:19	88:20 89:3 90:6
42:8 59:21	75:4 83:7 91:5	74:11 77:3,8	93:4,10 94:15
66:12 89:8 97:7	93:23	78:12 83:10	95:6,8,9
103:9 104:1	wanted 21:14	85:1,19	way 46:1 80:11
utilization	44:4 64:21	waterflooded	86:19 92:4,14
28:19	warrior 91:16	15:16	wayne 62:7
v	waste 24:16	waterfloods	ways 45:4
value 15:3	28:13 29:4	34:7	we've 14:9
ventex 103:3	42:13 97:23	watson 2:13,19	15:13,22 16:9
vice 101:19	104:8,12	3:2,8,14,20 4:3	16:21,21 17:8,8
volume 63:22	water 15:19,20	4:9,15,20 38:6,7	18:2,7 19:19
volume 03.22 volumes 58:10	17:16,20 20:12	38:21 39:4,7,9	26:18 36:9 38:3
75:12	20:15 23:13,22	39:20 40:4,11	48:2,3 57:14
vote 6:9 33:4	33:20 36:9 42:1	40:15,20,23	63:4 71:1 74:7
voted 33:7,8	57:13 65:22	41:6 42:19 44:1	74:19,21 78:3
voting 33:11,13	66:4,13 68:1,12	45:20 46:3,7,13	79:10 91:11,13
	68:15,22 69:2	46:15,19,21,22	106:1
W	75:13,19 76:5	47:9 48:8,18,19	website 6:20
w 1:9 7:23 8:2,3	76:14,15,17,20	49:2,6 50:7	7:10 44:8 45:8
8:4,5,6,8,9,10	76:21,22 77:4	52:10 53:1,2,10	week 36:15
8:11 51:23	77:11 78:2,4,14	55:18 56:1,12	100:19
93:12	78:22 79:2,2,8	56:15,17,19,20	wellbore 25:9
wait 32:23 77:7	79:12,14,15,21	57:2,3,6 58:13	27:15 87:16
waiting 54:15	81:8,10,15,17	59:5 60:5,13,16	88:8
83:9 86:23	81:23 82:17	60:19,22 61:2,7	wellbores 44:15
98:22 99:14	83:12 85:5 88:4	62:3,11,17,23	44:18,23 45:14
walk 24:2	88:4 103:10,18	63:3,6,9,15 64:8	73:7 104:5
wall 19:11	103:19,20	64:13,19 65:3	wells 10:10 14:2
23:16,19 26:15	104:22 105:6,8	65:13 70:15,16	14:20,22,23

[wells - zone] Page 134

15:1,3 16:13	92:15 93:11,17	woolbank 50:20	99:12,12,13,14
17:3,7,8,14 18:1	93:19 94:1,3,7	51:1,23 52:11	105:19
18:3 19:4,8,19	94:13 98:1	52:15	year 15:10,10
20:17,19 21:14	100:6,12 102:11	work 17:1 19:1	15:11 16:6,10
22:5,9,17 23:1,3	102:22 103:1	19:11,18 20:4	16:11,12 17:15
23:10 24:7,9,10	104:1,13	24:5,11,17	18:13,15,15,23
24:13,14,16,20	went 31:11	25:22 30:4	19:20 23:6
25:8,11,12,18	104:22	35:16,16 36:16	30:19,21 31:1,4
25:23 26:2,3,4,6	west 70:13	50:4	33:21,23,23
26:8,9 27:6,16	96:17 98:7	worked 17:8	34:20 35:6,17
27:17,19,23	wet 86:20	24:4	35:20 43:17
28:4,8,15 30:3	weyerhaeuser	working 35:10	52:9 53:22
30:13,14,20	69:23	83:1	55:17 58:8
33:20 39:13	white 69:8	workover 25:20	59:13 62:11
44:4,14,22 45:5	wildcat 70:10	30:12,15,21	88:19 94:8
45:10,13,14	86:6,10 87:8	31:1	96:18,19,20,23
48:1 51:4 52:11	88:21	wow 60:10	106:2
52:15 53:11	wildcats 87:23	wrong 46:10	year's 21:15,16
54:14,18,23	williams 21:9,20	81:22	years 13:5 16:17
55:4,7,10,22,23	26:13 35:14	y	16:18 18:18
56:3,5,9 63:18	williamson	y'all 15:9 32:20	22:18,23 24:13
64:2,6 65:6,6,14	86:14	35:22 37:6	34:6 43:13,15
74:13,19,21	win 37:5	91:12,18	48:3 53:18 56:8
76:1,3,11,17,22	windham 65:15	y'all's 45:8	81:5 90:23 96:9
77:3,10 78:3,5	67:21 68:9,20	yeah 11:8 13:5	96:11 103:15
79:7,9,10 80:23	72:7,9	21:18 23:2 27:7	yellow 41:5,10
81:3 83:18 84:2	winters 88:1	30:10 31:19	young 35:15
84:2,7,10,11,22	wish 33:15,19	32:16,21 33:9	Z
85:2,3,9,17 86:7	witness 9:14	36:1 37:9 40:17	z 62:3
86:9,9,10 88:21	29:14 32:2 38:8	43:13 44:16	zone 54:11 71:7
88:21,23 89:6,7	39:21 48:12	46:3,7,7 63:2	87:11,18 88:7
89:10,14,18	55:19 58:14	72:15 75:17	88:10
90:1,14,15,22	90:6,8 101:2	83:6 84:17 99:3	00.10
91:2,5,6,8,20	107:12	05.0 0 1.17 77.5	

[zs - zs] Page 135

ZS	61:12

Veritext Legal Solutions 877-373-3660