

**CASE NOS. 21069 and 21070**

**APPLICATIONS OF  
MATADOR PRODUCTION COMPANY FOR COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO**

**EXHIBITS**

1. Applications and Proposed Ads
2. Landman's Affidavit (Cassie Hahn) with Original Land Testimony
3. Original Geologist's Testimony (Clark Collier)
4. Geologist's Affidavit for Wolfbone Pool (Clark Collier)
5. Affidavit of Notice
6. Affidavits of Publication
- 7A and 7B. Pooling Checklists

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION OF MATADOR PRODUCTION  
COMPANY FOR COMPULSOR POOLING, LEA  
COUNTY, NEW MEXICO.

Case No. 21069

APPLICATION

Matador Production Company applies for an order pooling all mineral interests in the Wolfbone formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 18, Township 25 South, Range 35 East, N.M.P.M., Lea County, New Mexico, and in support thereof, states:

1. Applicant is an operator in the E/2E/2 of Section 18, and has the right to drill a well thereon.
2. Applicant has drilled the Biggers Fed. Com. Well No. 214H to a depth sufficient to test the Wolfbone formation. Applicant seeks to dedicate the E/2E/2 of Section 18 to the well in the Wolfbone formation, with a first take point in the SE/4SE/4 and a last take point in the NE/4NE/4 of Section 18.
3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the E/2E/2 of Section 18 for the purposes set forth herein.
4. Although applicant attempted to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the well or to otherwise commit their interests to the well, certain interest owners have failed or refused to join in dedicating their interests. Therefore, applicant seeks an order pooling all mineral interest owners in the Wolfbone formation underlying the E/2E/2 of Section 18, pursuant to NMSA 1978 §70-2-17.

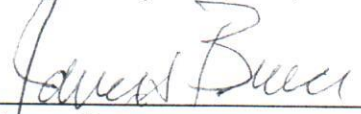
EXHIBIT 1

5. Approval of the non-standard unit, and the pooling of all mineral interests in the Wolfbone formation underlying the E/2E/2 of Section 18, will prevent the drilling of unnecessary wells, prevent waste, and protect correlative rights.

**WHEREFORE**, applicant requests that, after notice and hearing, the Division enter its order:

- A. Pooling all mineral interests in the Wolfbone formation underlying the E/2E/2 of Section 18;
- B. Designating applicant as operator of the well;
- C. Considering the cost of drilling and completing the well, and allocating the costs among the well's working interest owners;
- D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and
- E. Setting a 200% charge for the risk involved in drilling and completing the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,

  
\_\_\_\_\_  
James Bruce  
Post Office Box 1056  
Santa Fe, New Mexico 87504  
(505) 982-2043  
*jamesbruc@aol.com*

Attorney for Matador Production Company

PROPOSED ADVERTISEMENT

Case No. \_\_\_\_\_:

*Application of Matador Production Company for compulsory pooling, Lea County, New Mexico.* Applicant seeks an order the pooling all mineral interests in the Wolfbone formation underlying in a horizontal spacing unit comprised of the E/2E/2 of Section 18, Township 25 South, Range 35 East, NMPM. The unit is to be dedicated to the Biggers Fed. Com. Well No. 214H, with a first take point in the SE/4SE/4 and a last take point in NE/4NE/4 of Section 18. Also to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The unit is located approximately 12 miles west of Jal, New Mexico.

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

APPLICATION OF MATADOR PRODUCTION  
COMPANY FOR COMPULSOR POOLING, LEA  
COUNTY, NEW MEXICO.

Case No. 21070

APPLICATION

Matador Production Company applies for an order pooling all mineral interests in the Wolfbone formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 18, Township 25 South, Range 35 East, N.M.P.M., Lea County, New Mexico, and in support thereof, states:

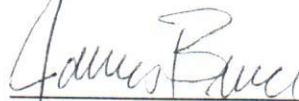
1. Applicant is an operator in the W/2E/2 of Section 18, and has the right to drill a well thereon.
2. Applicant has drilled or proposes to drill the Biggers Fed. Com. Well Nos. 203H and 217H to a depth sufficient to test the Wolfbone formation. Applicant seeks to dedicate the W/2E/2 of Section 18 to the wells in the Wolfbone formation, with first take points in the SW/4SE/4 and last take points in the NW/4NE/4 of Section 18.
3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the W/2E/2 of Section 18 for the purposes set forth herein.
4. Although applicant attempted to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the wells or to otherwise commit their interests to the wells, certain interest owners have failed or refused to join in dedicating their interests. Therefore, applicant seeks an order pooling all mineral interest owners in the Wolfbone formation underlying the W/2E/2 of Section 18, pursuant to NMSA 1978 §70-2-17.

5. Approval of the non-standard unit, and the pooling of all mineral interests in the Wolfbone formation underlying the EW2E/2 of Section 18, will prevent the drilling of unnecessary wells, prevent waste, and protect correlative rights.

**WHEREFORE**, applicant requests that, after notice and hearing, the Division enter its order:

- A. Pooling all mineral interests in the Wolfbone formation underlying the W/2E/2 of Section 18;
- B. Designating applicant as operator of the wells;
- C. Considering the cost of drilling and completing the wells, and allocating the costs among the wells' working interest owners;
- D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and
- E. Setting a 200% charge for the risk involved in drilling and completing the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,



James Bruce  
Post Office Box 1056  
Santa Fe, New Mexico 87504  
(505) 982-2043  
*jamesbruc@aol.com*

Attorney for Matador Production Company

PROPOSED ADVERTISEMENT

Case No. \_\_\_\_\_:

*Application of Matador Production Company for compulsory pooling, Lea County, New Mexico.* Applicant seeks an order the pooling all mineral interests in the Wolfbone formation underlying in a horizontal spacing unit comprised of the W/2E/2 of Section 18, Township 25 South, Range 35 East, NMPM. The unit is to be dedicated to the Biggers Fed. Com. Well Nos. 203H and 217H, with first take point in the SW/4SE/4 and last take points in NW/4NE/4 of Section 18. Also to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The unit is located approximately 12 miles west of Jal, New Mexico.

STATE OF NEW MEXICO  
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES  
OIL CONSERVATION DIVISION

APPLICATIONS OF MATADOR PRODUCTION  
COMPANY FOR COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO.

CASE NOS. 21069 & 21070

AFFIDAVIT OF CASSIE HAHN

Cassie Hahn, of lawful age and being first duly sworn, declares as follows:

1. My name is Cassie Hahn. I work for MRC Energy Company, an affiliate of Matador Production Company ("Matador"), as a Landman.
2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum land matters. My credentials as a petroleum landman have been accepted by the Division and made a matter of record.
3. I am familiar with the applications filed by Matador in these consolidated cases and the status of the lands in the subject area.
4. The purpose of Matador's applications is to change the pool under the original Orders of the Division in Case Nos. 16178 (Order R-14825), 16179 (Order R-14826) and 16180 (Order R-14827) from the original Dogie Draw; Wolfcamp Pool (Pool Code 1790) to the WC-025 G-09 S243532M; Wolfbone Pool (Pool Code 98098).
5. In its previous cases, Matador pooled the following spacing units:
  - a. In **Case No. 16178 and 16180**, a 160-acre, more or less, horizontal spacing unit in the Wolfcamp formation comprised of the W/2 E/2 of Section 18, Township 25 South, Range 35 East, NMPM, Lea County, New Mexico, which was dedicated to the Matador's **Biggers Fed Com Well #203H** and **Biggers Fed Com Well #217H**. Separate cases were filed for these wells despite being in the same spacing unit

4B because Matador also sought approval of a non-standard location for its **Biggers Fed Com Well #217H**.<sup>203 H</sup>

- b. In **Case No. 16179**, a 160-acre, more or less, horizontal spacing unit in the Wolfcamp formation comprised of the E/2 E/2 of Section 18, Township 25 South, Range 35 East, NMPM, Lea County, New Mexico, which was dedicated to the Matador's **Biggers Fed Com Well #214H**.
6. Matador has now drilled and completed all three of the above-referenced initial wells.
7. The reason for the requested change in pool is that while completing the **Biggers Fed Com Well #214** and **Biggers Fed Com Well #217H**, Matador inadvertently completed a small portion of well that was believed to be in the lower Third Bone Spring formation. After Matador discussed the issue with Mr. Paul Kautz, the three wells referenced above were moved to a Wolfbone pool (WC-025 G-09 S243532M; Wolfbone Pool (Pool Code 98098)).
8. Matador filed these applications to amend the pool in the Division's previous orders to align with the current pool for these wells.
9. Attached as **Exhibit A** is a copy of the transcript that includes my previous testimony before the Division in Case Nos. 16178, 16179 and 16180 for these spacing units.
10. The working interest ownership and breakdown, as referenced in Exhibit 3 of my previous testimony, is the same in the Bone Spring formation and Wolfcamp formation for both spacing units.
11. Similarly, there are no depth severances in the overriding royalty interests between the Bone Spring formation and Wolfcamp formation in both spacing units.

12. As a result, there is no change in the allocation of production between any interest owners as a result of the requested pool change.

FURTHER AFFIANT SAYETH NOT.

Cassie Hahn  
CASSIE HAHN

STATE OF TEXAS )  
COUNTY OF Dallas )

SUBSCRIBED and SWORN to before me this 26<sup>th</sup> day of May 2020 by  
Cassie Hahn.

Stephanie M Kinsman  
NOTARY PUBLIC

My Commission Expires:

4/10/2021



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED  
BY THE OIL CONSERVATION DIVISION FOR  
THE PURPOSE OF CONSIDERING:

APPLICATION OF MATADOR PRODUCTION                      CASE NOS. 16178,  
COMPANY FOR A NONSTANDARD OIL    16179,  
SPACING AND PRORATION UNIT, AN    16180  
UNORTHODOX WELL LOCATION, AND  
COMPULSORY POOLING, LEA COUNTY,  
NEW MEXICO.

REPORTER'S TRANSCRIPT OF PROCEEDINGS

EXAMINER HEARING

May 31, 2018

Santa Fe, New Mexico

EXHIBIT

A

BEFORE: WILLIAM V. JONES, CHIEF EXAMINER  
LEONARD LOWE, TECHNICAL EXAMINER  
DAVID K. BROOKS, LEGAL EXAMINER

This matter came on for hearing before the  
New Mexico Oil Conservation Division, William V. Jones,  
Chief Examiner, Leonard Lowe, Technical Examiner, and  
David K. Brooks, Legal Examiner, on Thursday, May 31,  
2018, at the New Mexico Energy, Minerals and Natural  
Resources Department, Wendell Chino Building, 1220 South  
St. Francis Drive, Porter Hall, Room 102, Santa Fe,  
New Mexico.

REPORTED BY: Mary C. Hankins, CCR, RPR  
New Mexico CCR #20  
Paul Baca Professional Court Reporters  
500 4th Street, Northwest, Suite 105  
Albuquerque, New Mexico 87102  
(505) 843-9241

1 APPEARANCES

2 FOR APPLICANT MATADOR PRODUCTION COMPANY:

3 JAMES G. BRUCE, ESQ.  
 4 Post Office Box 1056  
 5 Santa Fe, New Mexico 87504  
 (505) 982-2043  
 jamesbruc@aol.com

6

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11 Witnesses:

12 Cassie Hahn:

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14 Cross-Examination by Examiner Brooks 17

15 Clark Collier:

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21 EXHIBITS OFFERED AND ADMITTED

22 Matador Production Company Exhibit Numbers 1  
 23 through 5 14

24 Matador Production Company Exhibit Numbers 6  
 25 through 10 26

1 (10:17 a.m.)

2 EXAMINER JONES: Let's call Case Number  
3 16178, application of Matador Production Company for a  
4 nonstandard oil spacing and proration unit, an  
5 unorthodox well location, and compulsory pooling in Lea  
6 County, New Mexico.

7 And let's also call Case Number 16179.

8 EXAMINER BROOKS: Is this Lea County or  
9 Eddy County? It is Lea County. There is a mistake in  
10 here, in the exhibit; is that right?

11 EXAMINER JONES: It's the Jal area.

12 EXAMINER BROOKS: Okay. I'm sorry.

13 EXAMINER JONES: West of Jal.

14 EXAMINER BROOKS: Go ahead. Call the  
15 cases, and I'll look and see what I was looking at.

16 EXAMINER JONES: Okay. The second one was  
17 Case Number 16179, application of Matador Production  
18 Company for a nonstandard oil spacing and proration unit  
19 and compulsory pooling, Lea County, New Mexico.

20 And let's call also Case Number 16180,  
21 application of Matador Production Company for a  
22 nonstandard oil spacing and proration unit and  
23 compulsory pooling, Lea County, New Mexico.

24 Call for appearances in these three cases.

25 MR. BRUCE: Mr. Examiner, Jim Bruce of

1 Santa Fe representing the Applicant. I have two  
2 witnesses.

3 EXAMINER JONES: Any other appearances in  
4 these cases?

5 Will the witnesses stand and the court  
6 reporter swear the witnesses?

7 (Ms. Hahn and Mr. Collier sworn.)

8 EXAMINER BROOKS: For the record, the error  
9 I was referring to is in the Table of Contents with  
10 Mr. Bruce's exhibit notebook. It says "Eddy County."  
11 I'm not sure if it should be Lea County.

12 MR. BRUCE: I hope so.

13 MS. HAHN: Yes. It should be Lea County.

14 EXAMINER BROOKS: I'm going to make the  
15 change.

16 EXAMINER JONES: What exhibit?

17 EXAMINER BROOKS: Table of Contents of the  
18 exhibit notebook preceding Exhibit 1.

19 CASSIE HAHN,  
20 after having been previously sworn under oath, was  
21 questioned and testified as follows:

22 DIRECT EXAMINATION

23 BY MR. BRUCE:

24 Q. Would you please state your name and city of  
25 residence for the record?

1           A.     Cassie Hahn, Dallas, Texas.

2                     EXAMINER BROOKS:  I'm sorry.  Is it Hahn?

3                     THE WITNESS:  Yes, sir.

4                     EXAMINER BROOKS:  H-A-H-N?

5                     THE WITNESS:  Yes, sir.

6           **Q.     (BY MR. BRUCE) Who are you employed by and in**  
7 **what capacity?**

8           A.     Matador Resources as a landman.

9           **Q.     And have you testified before the Division?**

10          A.     Yes, I have.

11          **Q.     And were your credentials as an expert**  
12 **petroleum landman accepted as a matter of record?**

13          A.     Yes.

14          **Q.     And are you familiar with the land matters**  
15 **involved in this application?**

16          A.     Yes, I am.

17          **Q.     And does your area of responsibility at Matador**  
18 **include this portion of southeast New Mexico?**

19          A.     Yes, it does.

20                     MR. BRUCE:  Mr. Examiner, I tender Ms. Hahn  
21 as an expert petroleum landman.

22                     EXAMINER JONES:  She's qualified as an  
23 expert in petroleum land matters.

24          **Q.     (BY MR. BRUCE) Let's move on to Exhibit 1.**  
25 **There is 1A, B and C.  Would you briefly identify those**

1     **for the Examiner?**

2           A.     Sure.  Tabs A, B and C are the C-102s for the  
3     proposed wells.  Tab A is the Biggers Fed Com 203.  Tab  
4     B is the Biggers Fed Com 214, and then Tab C is the  
5     Biggers Fed Com 217.  These exhibits also show the API  
6     numbers, pool codes and pool names for these wells.

7           **Q.     Exhibit 1B, the last digits of the API numbers**  
8     **are missing.  Do you have those available?**

9           A.     1B?  Yes, I do.  So do you want me to go ahead?  
10    It's 30-025-44483.

11          **Q.     And is the 203 well, which is 1A, and the 217H**  
12    **well, which is 1C -- is the well unit for those two**  
13    **wells both the west half of the east half of Section 17?**

14          A.     Yes, they are.  They're the same proration  
15    unit.

16          **Q.     Or excuse me.  18.  18.**

17                   And, again, the township is 25 South, 35  
18    **East?**

19          A.     Correct.

20          **Q.     And the well unit for the 214H is the east**  
21    **half-east half of Section 18?**

22          A.     Yes, that's correct.

23          **Q.     Which formation does Matador seek to force pool**  
24    **in these applications?**

25          A.     The Wolfcamp Formation.

1           Q.    And looking at Exhibit 1A, that well is at an  
2 unorthodox location; is it not?

3           A.    Correct.  Yes.

4           Q.    And we do request approval for that unorthodox  
5 location?

6           A.    Right.

7           Q.    Will the next witness discuss the reason for  
8 the location?

9           A.    Yes, he will.

10          Q.    And looking at the C-102s, other than the  
11 unorthodox location being the center of the east half of  
12 Section 18, will the end setbacks comply with state  
13 rules?

14          A.    Yes, they will.

15          Q.    Is there any depth severance in the Wolfcamp?

16          A.    No, there's not.

17          Q.    Looking at Exhibit 2, can you identify this and  
18 identify what types of land are involved?

19          A.    Sure.  This is a Midland Map and it shows the  
20 leasehold ownership.  You can see -- so there are two  
21 federal leases.  One is in the north half of the  
22 northeast quarter, and the second one is the entire  
23 southeast quarter, and then the middle, southeast, all  
24 fee.

25          Q.    So that the south half of the northeast quarter

1 is one -- one tract; is that correct?

2 A. Correct. But it's a few different fee leases.

3 Q. So as a result, the unorthodox location will  
4 not adversely affect any interest owner?

5 A. Right.

6 Q. Even though you're encroaching on it, it's all  
7 the same people?

8 A. Right, all the same owner.

9 Q. What is Exhibit 3?

10 A. This is our summary of interest for all three  
11 wells, and it shows we are seeking to pool 10.57 percent  
12 interest. And it will show our uncommitted working  
13 interest owners, as well as our unleased mineral  
14 interest owners.

15 Q. Have any of these parties indicated they might  
16 join in the well?

17 A. Yes. COG, we've talked to a few times. They  
18 are still just running it up the chain. And Energen, I  
19 have talked to recently as well and same thing with  
20 them. Marathon, I think, is just still on the fence.  
21 And then the unleased mineral owners, we have located  
22 and spoken to everyone there.

23 Q. So there is no unlocatable owner?

24 A. Correct.

25 Q. Again, the interests are common in each well?

1 A. Yes.

2 Q. Are there any overriding royalty interests?

3 A. Yes, there are.

4 Q. Do any of them require pooling?

5 A. No, they don't. They're all -- pooling.

6 Q. And if you subsequently come to terms,  
7 voluntary agreements with any of these interest owners,  
8 will you notify the Division?

9 A. Yes, we will.

10 Q. What is Exhibit 4?

11 A. Exhibit 4, these are our proposal letters we  
12 sent out February 1st, 2018. And Tab A is for the  
13 Biggers Fed Com 203. Tab B is for the Biggers Fed Com  
14 214, and Tab C is for the Biggers Fed Com 217.

15 Q. Were slightly different letters sent to the  
16 unleased mineral owners as opposed to the lessees?

17 A. Yes.

18 Q. But they all propose the drilling of the well  
19 and gave the location and AFEs were attached?

20 A. Right, and the option to participate or lease  
21 or sell.

22 Q. Now, besides these letters, have you had  
23 follow-up contacts with them?

24 A. I have, yes.

25 Q. Okay. And phone calls and emails, the usual?

1           A.    Correct.

2           Q.    And are you continuing to work with these  
3 parties even after this hearing?

4           A.    Yes, I am.

5           Q.    In your opinion, has Matador undertaken a  
6 good-faith effort to obtain the voluntary joinder of  
7 these interest owners in the proposed wells?

8           A.    Yes.

9           Q.    Looking at Exhibit 4A -- go three pages back --  
10 is one of the -- is that one of the -- the AFEs for that  
11 particular well?

12          A.    Yes, it is.

13          Q.    What is the completed well costs of that? This  
14 is the 203H well.

15          A.    Yes. This one is a little over 8 million.

16          Q.    And were the remaining AFEs submitted as part  
17 of the Exhibit 4 all approximately just slightly over  
18 \$8 million?

19          A.    Yes, they are.

20          Q.    And are these well costs fair and reasonable  
21 and in line with the cost of similar wells drilled in  
22 this area of New Mexico?

23          A.    Yes.

24          Q.    What overhead rates do you request?

25          A.    We're requesting 7,000 a month while drilling

1 and 700 a month while producing.

2 Q. And are these costs similar to what Matador and  
3 other operators are charging for other wells in this  
4 area?

5 A. Yes, they are.

6 Q. And are these the rates set forth in your JOA?

7 A. Yes, they are.

8 Q. Do you request that these overhead rates be  
9 adjusted periodically as provided by the COPAS  
10 accounting procedure?

11 A. Yes.

12 Q. Moving to Exhibit 5, did Matador, in  
13 preparation for this hearing, identify the interest  
14 owners in all three of these wells?

15 A. Yes.

16 Q. And, again, everyone was locatable who you  
17 needed to pool?

18 A. Correct.

19 Q. Did you also identify the offset operators or  
20 working interest owners to these proposed wells?

21 A. Yes, we did.

22 Q. Was notice given to all the parties being  
23 pooled?

24 A. Yes.

25 Q. And is that reflected by the letter behind Tab

1     **5?**

2           A.     Yes, it is.

3                   MR. BRUCE:   Mr. Examiner, the green cards  
4     were received from everyone except Ohio State  
5     University. I guess they're maybe unlocatable. I don't  
6     know.

7                   EXAMINER JONES:   Aren't you from Ohio?

8                   (Laughter.)

9                   MR. BRUCE:   No. No, I'm not.

10                  EXAMINER BROOKS:   Michigan.

11                  EXAMINER JONES:   Oh, sorry. I insulted you  
12     there.

13                  EXAMINER BROOKS:   Yeah. I think that is a  
14     considerable insult.

15                  EXAMINER JONES:   I'm sorry, Mr. Bruce.

16           **Q.     (BY MR. BRUCE) Mr. Hahn, have you had telephone**  
17     **conversations with the people in the legal department of**  
18     **Ohio State University?**

19           A.     Yes. Yes.

20           **Q.     What did they say about that? They're an**  
21     **unleased mineral owner?**

22           A.     They are.

23                   They said that they had a policy against  
24     leasing or participating in any wells, oil and gas  
25     operations (laughter).

1 EXAMINER BROOKS: Was this Ohio State  
2 University?

3 EXAMINER JONES: They make enough off of  
4 football (laughter).

5 Q. (BY MR. BRUCE) And then the last page of  
6 Exhibit 5, does that list the offset operators or  
7 working interests to the three wells?

8 A. Yes, it does.

9 MR. BRUCE: Mr. Examiner, I had to publish  
10 notice. I don't have that yet. And I actually  
11 misplaced my notice letter to the offsets, but I'll dig  
12 that up. And so as a result, this matter will have to  
13 be continued two weeks to finalize the notice matters --

14 EXAMINER JONES: Okay.

15 MR. BRUCE: -- for these wells.

16 Q. (BY MR. BRUCE) Ms. Hahn, were Exhibits 1  
17 through 5 prepared by you or under your supervision or  
18 compiled from company business records?

19 A. Yes, they were.

20 Q. And in your opinion, is the granting of these  
21 three applications in the interest of conservation and  
22 the prevention of waste?

23 A. Yes.

24 Q. One final matter: Do you request the cost plus  
25 200 percent risk charge be assessed against any interest

1     **owner who does not consent in the well?**

2           A.     Yes, we do.

3                     MR. BRUCE:  Mr. Examiner, I move the  
4     admission of Exhibits 1 through 5.

5                     EXAMINER JONES:  Exhibits 1 through 5 are  
6     admitted.

7                     (Matador Production Company Exhibit Numbers  
8                     1 through 5 are offered and admitted into  
9                     evidence.)

10                    EXAMINER JONES:  So you're not admitting,  
11     obviously, 6?

12                    MR. BRUCE:  Not yet.  The rest are  
13     geologic.

14                    EXAMINER LOWE:  I had a question.

15                                 CROSS-EXAMINATION

16     BY EXAMINER LOWE:

17           **Q.     What are your dimensions for the first take**  
18     **point and the last take point, just to clarify?**

19           A.     All three of them?

20           **Q.     For your --**

21           A.     The unorthodox?

22           **Q.     -- 203H.**

23           A.     Okay.  Let's see.  So the issue is on the  
24     eastern boundary.  It's right in the middle of the  
25     section.  And that is -- it's not giving the dimensions.

1 It's just to the end of the section line, which is  
2 1,346, so we are the 330 from the south line of the  
3 section.

4 Q. So where are you unorthodox?

5 A. Because the -- it's right in the middle of the  
6 east half of the section, so we're right on the  
7 lease line, basically.

8 MR. BRUCE: Only about 25 feet off the --

9 THE WITNESS: The middle of the --

10 MR. BRUCE: -- quarter-quarter section  
11 lines.

12 EXAMINER LOWE: Twenty-five feet on the  
13 bottom first perf and 30 feet from the last perf.

14 MR. BRUCE: Roughly.

15 EXAMINER LOWE: Roughly.

16 Did you also include your diagonal on all  
17 this?

18 MR. BRUCE: I'm not sure what you mean on  
19 that.

20 EXAMINER LOWE: Well, from what I could  
21 gather from your C-102, I don't know if it's 1,295 from  
22 the west for your first perf and 990 feet from the south  
23 line.

24 THE WITNESS: Oh, no. It's 330 from the  
25 south line. It's kind of hard -- the arrow is just kind

1 of hard to see. Yeah, but --

2 MR. BRUCE: The first and last perforations  
3 will be standard north and south. It's only -- they're  
4 too far -- too close to the quarter-quarter section --

5 EXAMINER LOWE: To the east line.

6 MR. BRUCE: -- in the middle of the two  
7 units.

8 THE WITNESS: It's basically too close to  
9 the other spacing unit.

10 EXAMINER LOWE: What I could -- I wanted to  
11 figure out how close you are to the east line, and then  
12 from that point, the diagonal, how far you are off the  
13 diagonal off of those, but I can't determine that from  
14 what's given.

15 MR. BRUCE: Well, it's 1,349 from the east  
16 line at the terminus and 1,346 from the east line at the  
17 beginning point. If you look in the northeast-northeast  
18 and the southeast-southeast, those are the distances  
19 there.

20 EXAMINER LOWE: I just want you guys to  
21 make sure you account for the diagonal in all this. I  
22 can't determine it from what's given here.

23 THE WITNESS: Okay.

24 EXAMINER LOWE: That's all I've got for  
25 now. Thank you.

1 EXAMINER JONES: Mr. Brooks?

2 CROSS-EXAMINATION

3 BY EXAMINER BROOKS:

4 Q. The ownership in these two section -- these two  
5 units -- proposed units is identical?

6 A. Correct. Yes.

7 Q. That's the working interest ownership?

8 A. Right.

9 Q. All other interests are also identical?

10 A. Right. Correct.

11 Q. Okay. Are there any overrides?

12 A. There are.

13 Q. There are not?

14 A. There are overrides. Yes.

15 Q. There are overrides?

16 A. Right.

17 Q. Okay. I didn't see any mention of the  
18 overrides.

19 These are state leases?

20 A. These are -- there are two federal and fee  
21 leases so a mix.

22 Q. I'm sorry. Two federal and --

23 A. Fee.

24 MR. BRUCE: One fee.

25 EXAMINER BROOKS: One fee. Okay.

1           Q.    (BY EXAMINER BROOKS) On the overrides, under  
2   the federal leases, are they -- are you satisfied that  
3   they are bound by -- you've got -- Matador has the power  
4   to pool these?

5           A.    Yes, sir. I examined all of instruments that  
6   created the overrides, and they all allow for it.

7           Q.    Now, you said all the interests -- everybody  
8   was located except Ohio State University?

9           A.    They were located. They were locatable because  
10   I did talk to a guy there, and he tried to persuade us  
11   to --

12          Q.    Now, one of the parties listed is West Texas  
13   A & M University. Where is that located?

14          A.    I am actually -- I have to look at the green  
15   card to see where it's actually located at.

16          Q.    It's funny because I'm from West Texas and I've  
17   never heard of it.

18                   MR. BRUCE: The name changed. It's Canyon.

19                   THE WITNESS: Okay.

20                   EXAMINER BROOKS: Oh. It used to be West  
21   Texas State University so I assume, then, it's part of  
22   the Texas A & M University system.

23                   THE WITNESS: Yes.

24                   EXAMINER BROOKS: I'm very familiar with  
25   that.

1 THE WITNESS: Okay.

2 Q. (BY EXAMINER BROOKS) What about the heirs of  
3 John Sparling?

4 A. So we sent them proposals. We sent them  
5 letters in the mail. We had our brokers contact the  
6 heirs. And we finally, in the last few days, have  
7 gotten a phone call from one of the heirs, so we've been  
8 in contact with them.

9 Q. Okay. You're comfortable you know who the  
10 heirs are?

11 A. Yes. Well, from titles, we tracked them down.

12 Q. How did you get the address at which you served  
13 them?

14 A. We had our brokers go through the title and  
15 look up on the Internet, look at Accurint, our special  
16 software system.

17 Q. Now, I used to know a John Sparling in Dallas,  
18 Texas. I wonder if it's the same person?

19 A. I know Mr. John Sparling has deceased.

20 Q. Yeah. Well, I assumed he was --

21 A. Okay. The heirs.

22 Q. -- since we had heirs of the estate?

23 A. Right. I don't know. Maybe.

24 Q. Well, this person was older than I, so -- he  
25 ran for district attorney in Dallas County the same year

1 I ran for district judge. And he lost and I won --

2 A. There you go (laughter).

3 Q. -- that time.

4 Okay.

5 A. That's interesting.

6 Q. You're confident you know who the heirs are?

7 A. Yeah.

8 Q. There are no unknown heirs?

9 A. Correct. As far as today stands, yes.

10 Q. Okay. Now, what about the parties you're still  
11 negotiating with?

12 A. That would be Concho.

13 Q. Have they had notice of this proceeding?

14 A. Yes, they have. I actually noticed them this  
15 last week.

16 Q. This is an area we have some -- some issues  
17 with because our order forms says "all uncommitted  
18 interests," whatever they may be. That obviates the  
19 necessity to come back for another compulsory pooling  
20 proceeding if your negotiations fail. We like to do it  
21 that way, but we want to make sure that the notice is  
22 proper.

23 Okay. Thank you. That's all I have.

24 A. Thank you very much.

25

# **MATADOR PRODUCTION COMPANY**

**Biggers Federal**

**Nos. 203H, 214H and 217H**

**Cases 16178, 16179 and 16180**

**STATE OF NEW MEXICO  
DEPARTMENT OF ENERGY, MINERALS AND NATURAL  
RESOURCES  
OIL CONSERVATION DIVISION**

**APPLICATIONS OF MATADOR  
PRODUCTION COMPANY  
FOR COMPULSORY POOLING  
AND NONSTANDARD OIL SPACING  
AND PRORATION UNITS  
LEA COUNTY, NEW MEXICO**

CASE NOS. 16178, 16179 & 16180

May 31, 2018

**EXHIBIT NOTEBOOK  
Biggers Federal #203H, #214H & #217H**

Exhibit 1	C-102 Forms
Exhibit 2	Midland Map
Exhibit 3	Summary of Interests
Exhibit 4	Well Proposal Letters
Exhibit 5	Affidavit, notice letters, proof of mailing
Exhibit 6	Locator Map
Exhibit 7	Structure Map
Exhibit 8	Stratigraphic Cross Section A-A'
Exhibit 9	Isopach Map
Exhibit 10	Biggers Federal Wells' Completions

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources  
Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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WELL LOCATION AND ACREAGE DEDICATION PLAT

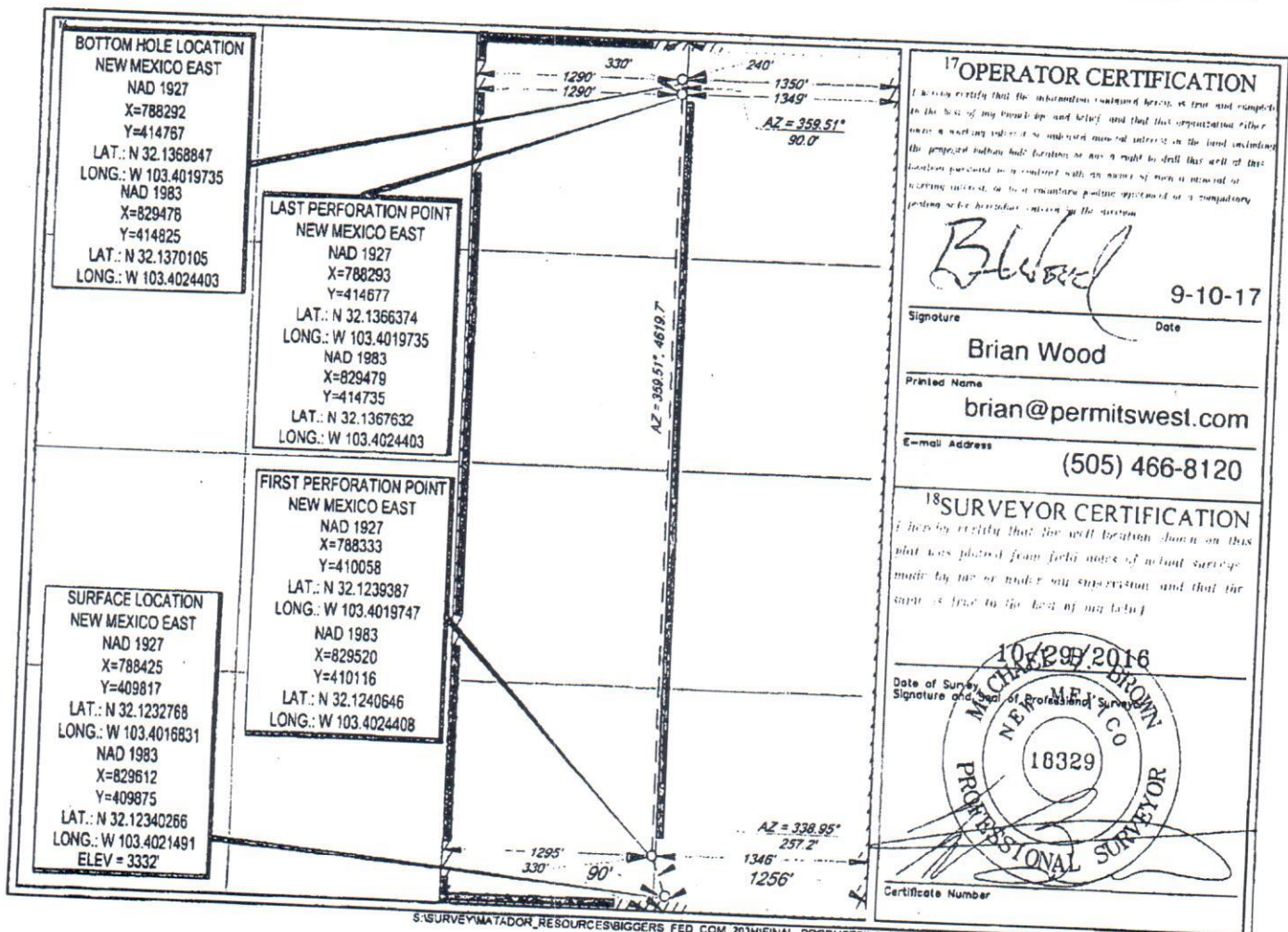
<sup>1</sup> API Number 30-025-44645	<sup>1</sup> Pool Code 17980	<sup>1</sup> Pool Name Dogie Draw; Wolfcamp
<sup>1</sup> Property Code 320789	<sup>1</sup> Property Name BIGGERS FED COM	<sup>1</sup> Well Number #203H
<sup>1</sup> GRID No. 228937	<sup>1</sup> Operator Name MATADOR PRODUCTION COMPANY	<sup>1</sup> Elevation 3332'

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	18	25-S	35-E	-	90'	SOUTH	1256'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	18	25-S	35-E	-	240'	NORTH	1350'	EAST	LEA

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code C	<sup>15</sup> Order No. NSL-
--------------------------------------	-------------------------------	---------------------------------------	---------------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



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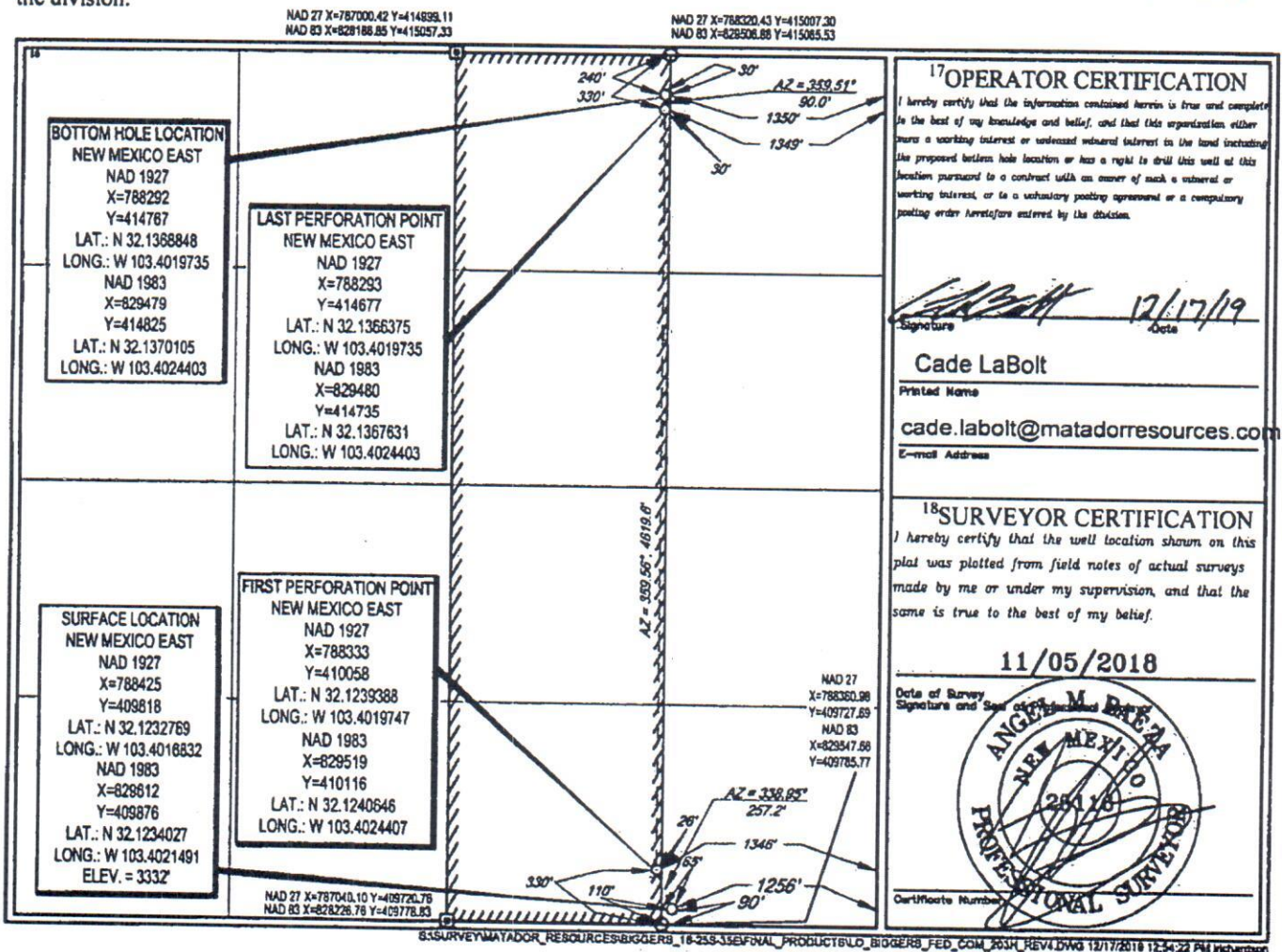
1 API Number 30-025-44645		2 Pool Code 17980		3 Pool Name WC-025 G-09 S243532M;WOLFBONE	
4 Property Code 320789		5 Property Name BIGGERS FED COM			6 Well Number #203H
7 OGRID No. 228937		8 Operator Name MATADOR PRODUCTION COMPANY			9 Elevation 3332'

10 Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	18	25-S	35-E	-	90'	SOUTH	1256'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	18	25-S	35-E	-	240'	NORTH	1350'	EAST	LEA

11 Dedicated Acres 160	12 Joint or Infill	13 Consolidation Code	14 Order No.
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30-025- <sup>1</sup> API Number		<sup>2</sup> Pool Code 17980		<sup>3</sup> Pool Name Dogie Draw; Wolfcamp	
<sup>4</sup> Property Code		<sup>5</sup> Property Name BIGGERS FED COM			<sup>6</sup> Well Number #214H
<sup>7</sup> OCRID No. 228937		<sup>8</sup> Operator Name MATADOR PRODUCTION COMPANY			<sup>9</sup> Elevation 3332'

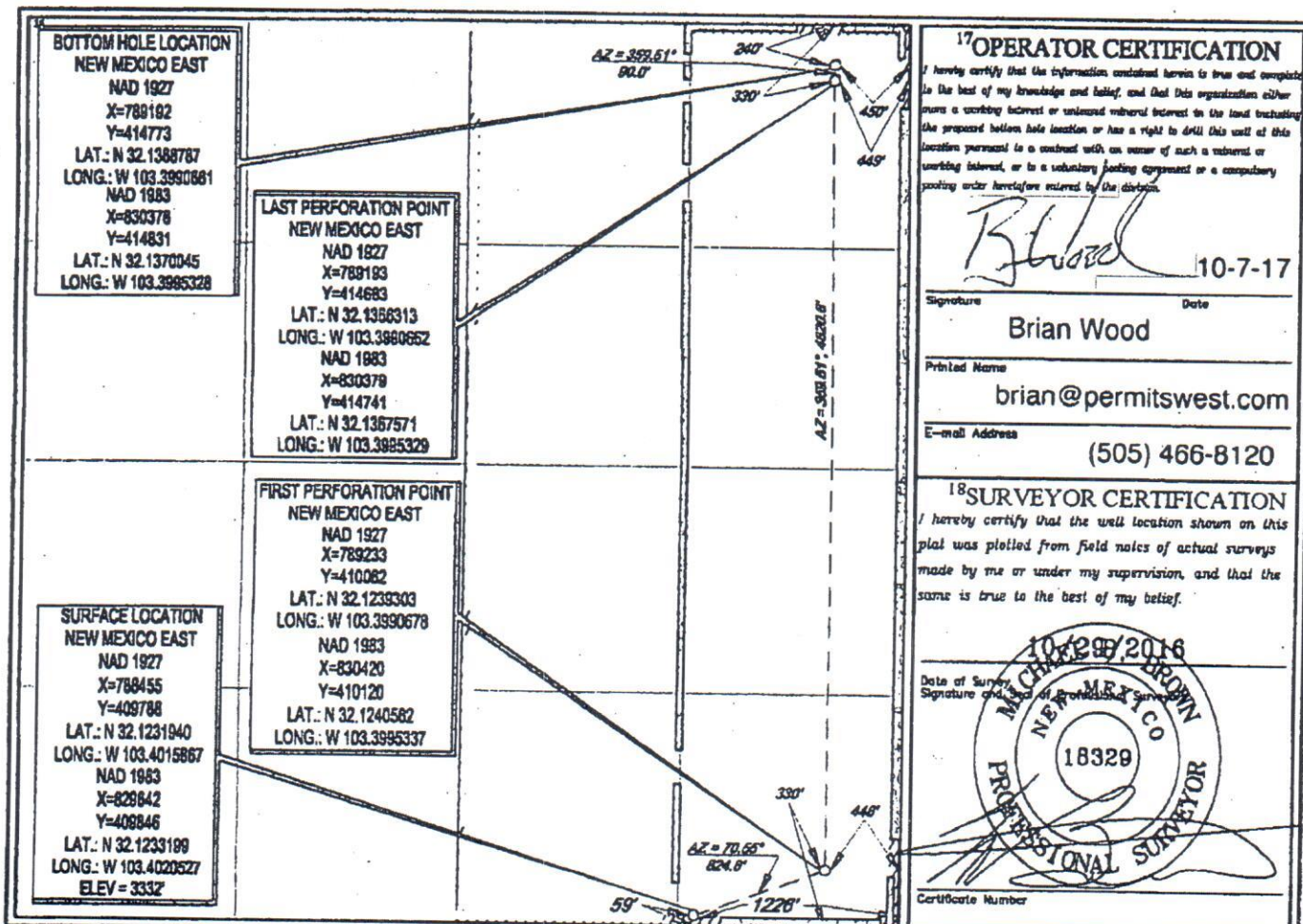
<sup>10</sup>Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	18	25-S	35-E	-	59'	SOUTH	1226'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	18	25-S	35-E	-	240'	NORTH	450'	EAST	LEA

<sup>11</sup> Dedicated Acres 160	<sup>12</sup> Joint or Infill	<sup>13</sup> Consolidation Code C	<sup>14</sup> Order No.
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WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-44483	<sup>2</sup> Pool Code 98098	<sup>3</sup> Pool Name WC-025 G-09 S243532M; Wolfbone
<sup>4</sup> Property Code 320789	<sup>5</sup> Property Name BIGGERS FED COM	
<sup>6</sup> OGRIID No. 228937	<sup>7</sup> Operator Name MATADOR PRODUCTION COMPANY	<sup>8</sup> Well Number 214H
		<sup>9</sup> Elevation 3333'

<sup>10</sup>Surface Location

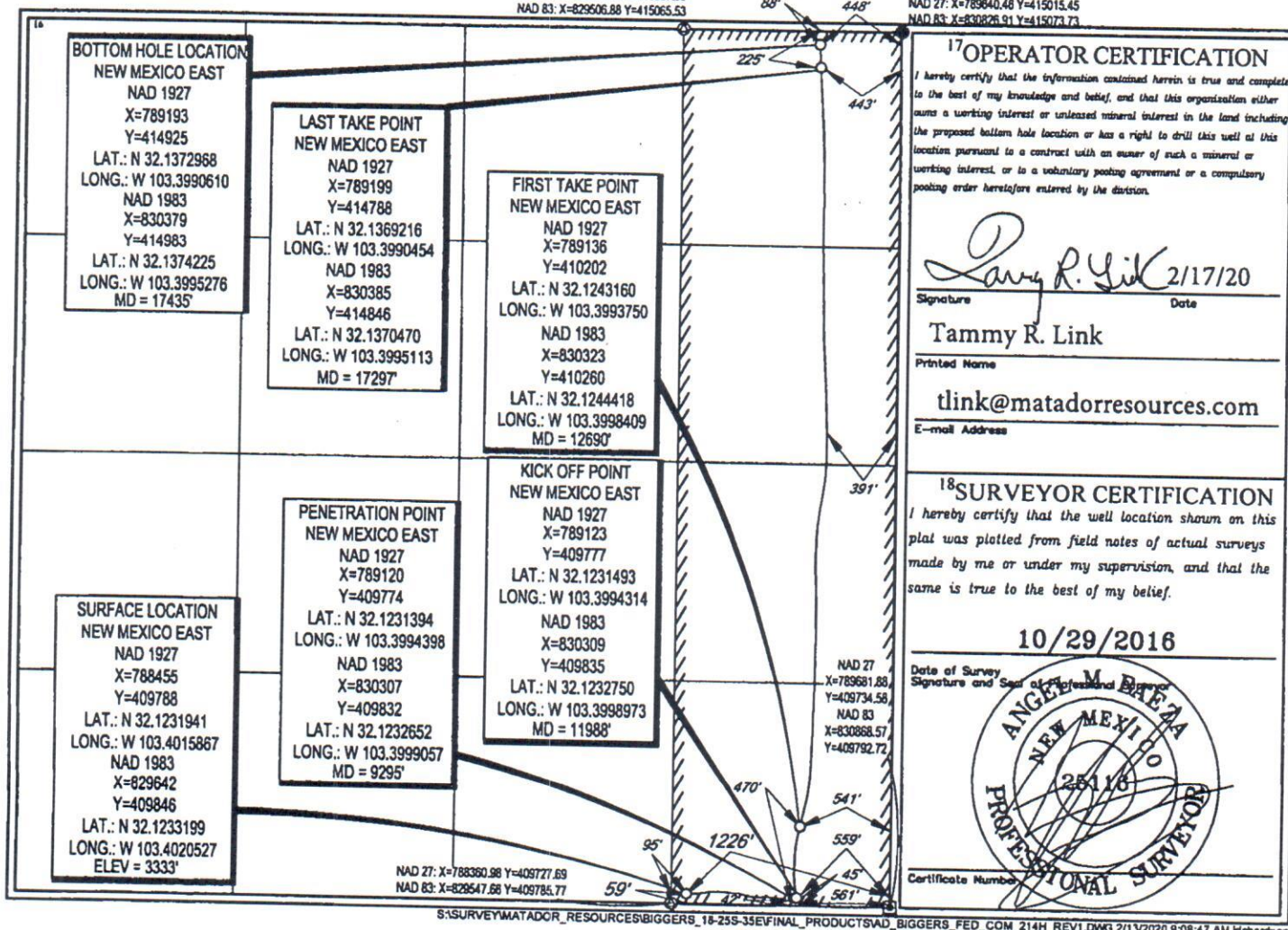
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	18	25-S	35-E	-	59'	SOUTH	1226'	EAST	LEA

<sup>11</sup>Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	18	25-S	35-E	-	88'	NORTH	448'	EAST	LEA

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-025-44646</b>	<sup>1</sup> Pool Code <b>17980</b>	<sup>1</sup> Pool Name <b>Dogie Draw; Wolfcamp</b>
<sup>2</sup> Property Code <b>320789</b>	<sup>2</sup> Property Name <b>BIGGERS FED COM</b>	<sup>2</sup> Well Number <b>#217H</b>
<sup>3</sup> GRID No. <b>228937</b>	<sup>3</sup> Operator Name <b>MATADOR PRODUCTION COMPANY</b>	<sup>3</sup> Elevation <b>3332'</b>

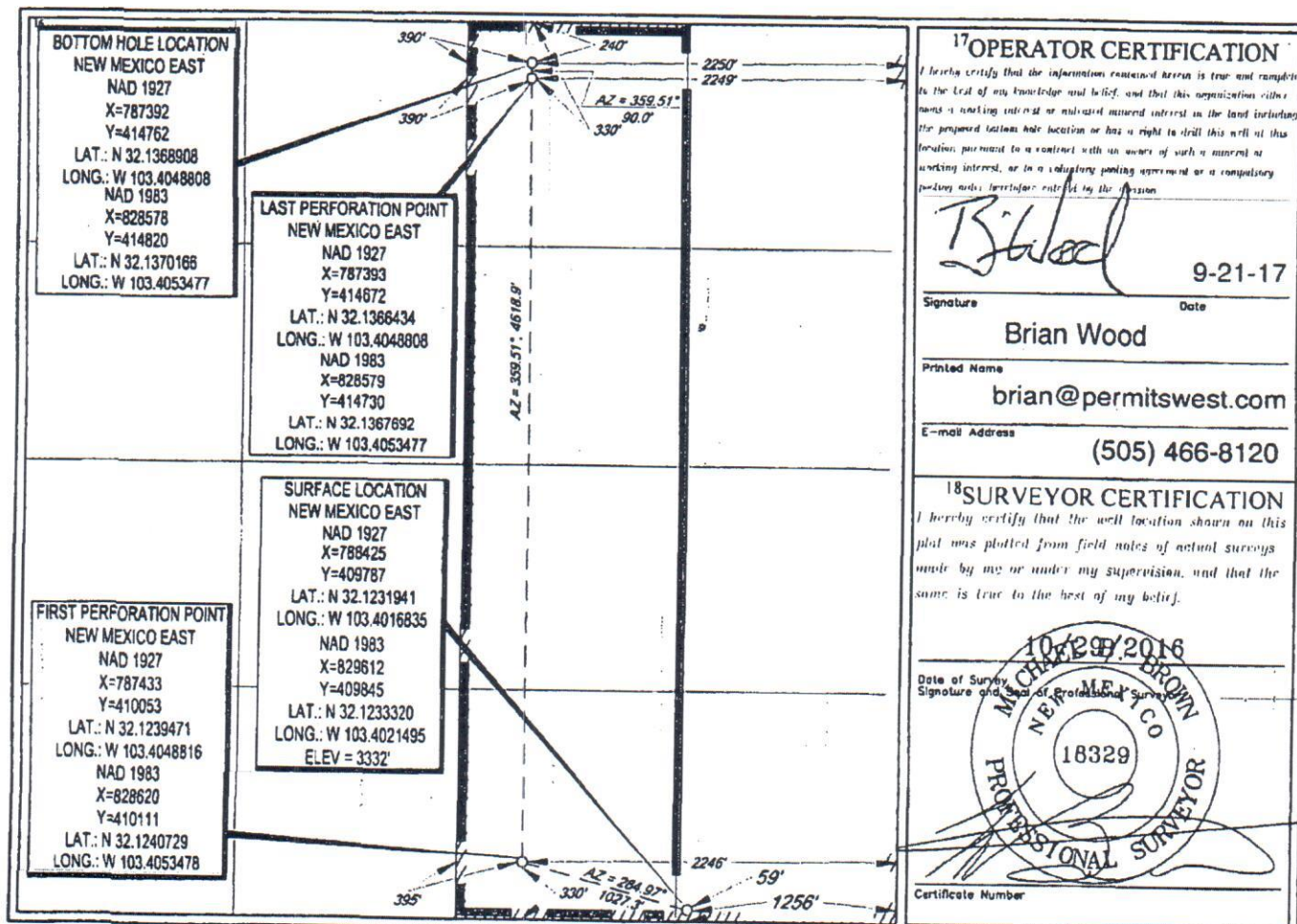
<sup>10</sup>Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>P</b>	<b>18</b>	<b>25-S</b>	<b>35-E</b>	<b>-</b>	<b>59'</b>	<b>SOUTH</b>	<b>1256'</b>	<b>EAST</b>	<b>LEA</b>

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>B</b>	<b>18</b>	<b>25-S</b>	<b>35-E</b>	<b>-</b>	<b>240'</b>	<b>NORTH</b>	<b>2250'</b>	<b>EAST</b>	<b>LEA</b>

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
<b>160</b>		<b>C</b>	

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**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-025-44646		<sup>2</sup> Pool Code 98098	<sup>3</sup> Pool Name WC-025 G-09 S243532M; Wolfbone
<sup>4</sup> Property Code 320789	<sup>5</sup> Property Name BIGGERS FED COM		<sup>6</sup> Well Number 217H
<sup>7</sup> OGRID No. 228937	<sup>8</sup> Operator Name MATADOR PRODUCTION COMPANY		<sup>9</sup> Elevation 3332'

<sup>10</sup>Surface Location

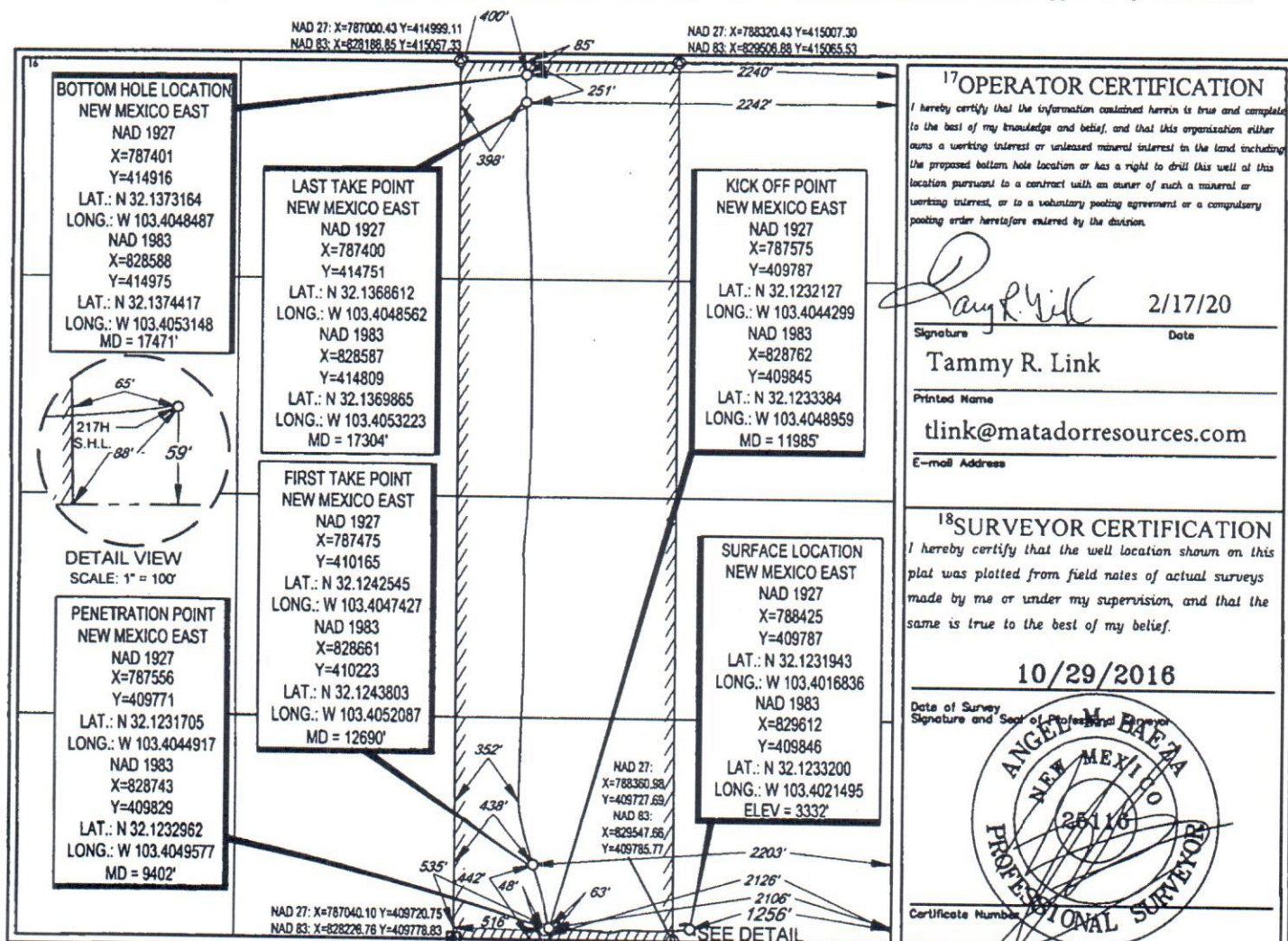
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	18	25-S	35-E	-	59'	SOUTH	1256'	EAST	LEA

<sup>11</sup>Bottom Hole Location If Different From Surface

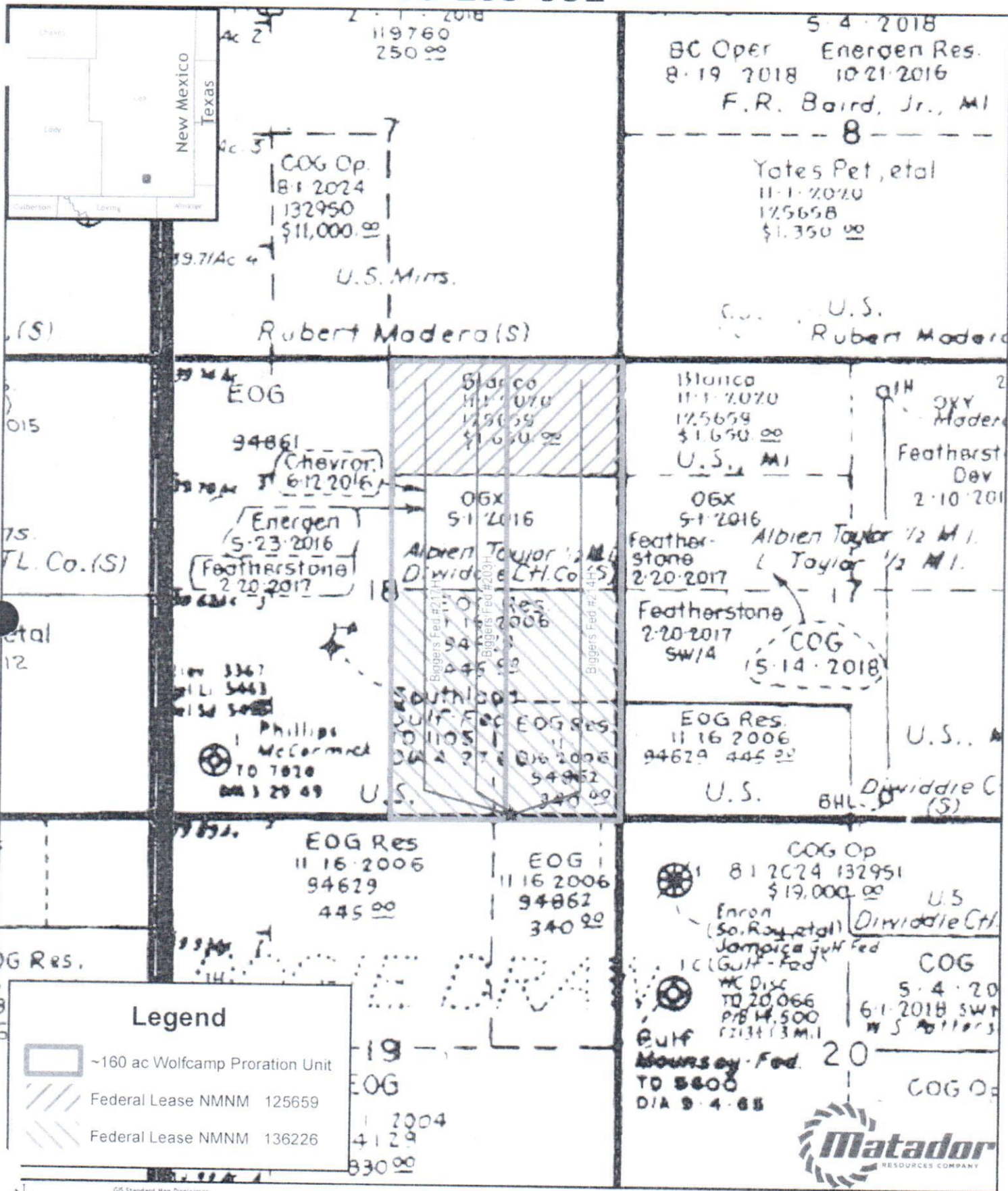
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
B	18	25-S	35-E	-	85'	NORTH	2240'	EAST	LEA

<sup>12</sup> Dedicated Acres 160	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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# 18-25S-35E



1:18,000

1 inch = 1,500 feet

Southeast New Mexico

Coordinate System: NAD 1927 StatePlane New Mexico East FIPS 3001  
 Projection: Transverse Mercator; Datum: North American 1927; Units: Foot US  
 Sources: IHS, ESRI



## Summary of Interests

MRC Permian Company Working Interest			77.453124%
Voluntary Joinder			11.979167%
Compulsory Pool Interest Total:			10.567709%
Interest Owner:	Description:	Interest:	
COG Operating, LLC	Uncommitted Working Interest Owner	2.145834%	
COG Acreage, LP	Uncommitted Working Interest Owner	1.250000%	
Energen Resources Corporation	Uncommitted Working Interest Owner	3.578125%	
Marathon Oil Permian, LLC	Uncommitted Working Interest Owner	1.562500%	
GGM Exploration, Inc	Unleased Mineral Interest Owner	.068750%	
TD Minerals LLC	Unleased Mineral Interest Owner	.275000%	
Heirs/devisees of John C. Sparling	Unleased Mineral Interest Owner	1.562500%	
Ohio State University	Unleased Mineral Interest Owner	.062500%	
West Texas A&M University	Unleased Mineral Interest Owner	.062500%	



## MRC Permian Company

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240  
Voice 972.371.5440 • Fax 214.866.4883  
[chahn@matadorresources.com](mailto:chahn@matadorresources.com)

---

Cassie Hahn  
Landman

February 1, 2018

VIA CERTIFIED RETURN RECEIPT MAIL

COGAcreage LP  
2208 West Main Street  
Artesia, NM 88210

Re: Matador Production Company – Biggers Fed Com #203H (the “Well”)  
Participation Proposal  
Section 18, Township 25 South, Range 35 East  
Lea County, New Mexico

Dear COGAcreage LP:

MRC Permian Company (“MRC”) proposes the drilling of Matador Production Company’s Biggers Fed Com #203H well, located in Section 18, Township 25 South, Range 35 East, Lea County, New Mexico to the Wolfcamp formation.

In connection with the above, please note the following:

- The estimated cost of drilling, testing, completing, and equipping the Well is \$8,091,999 as found on the enclosed AFE dated January 30, 2018.
- The proposed surface location of the Well is approximately 90’ FSL and 1256’ FEL of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico. The proposed bottom hole location of the subject well is approximately 240’ FNL and 1350’ FWL of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico.
- The Well will have a targeted interval within the Wolfcamp formation. We plan to drill the Well horizontally in the Wolfcamp (~12,588’ TVD) to a Total Measured Depth of approximately 17,307’ resulting in a productive lateral of approximately 4,500’.

MRC reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. MRC will advise you of any such modifications.

COGAcreage LP, will own an approximate 0.01250000 working interest in the Well based on the JOA, subject to title verification.

MRC requests that you indicate your election to participate in the drilling and completion of the Well in the space provided below, sign and return one (1) copy of this letter to the undersigned.

MRC is proposing to drill the Well under the terms of the modified 1989 AAPL form of Operating Agreement which is enclosed for your review and approval. The enclosed Operating Agreement dated March 15, 2018, by and between Matador Production Company, as operator and MRC Permian Company et al as Non-Operators, covers the E2 of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico and has the following general provisions:

- 100/300/300 Non-consenting penalty
- \$7,000/\$700 Drilling and Producing rate
- Matador Production Company named as Operator

If your election is to participate in the drilling and completion of the Well, please sign and return a copy of the enclosed AFE within thirty (30) days of receipt of this notice. Additionally, if your election is to participate, please accept this letter as an invoice notice and request for payment. Please remit payment for your proportionate share of costs in the amount of \$101,149.99 to Matador Production Company on or before thirty (30) days after receipt of this estimate and invoice. Please be aware that the enclosed AFE is only an estimate of costs to be incurred and by electing to participate in the Well, each working interest owner shall be responsible for their proportionate share of all costs incurred.

Sincerely,

  
Cassie Hahn

Enclosure(s)

Please elect one of the following and return to sender.

\_\_\_\_\_ COGAcreage LP hereby elects to participate for its proportionate share of the costs detailed in the enclosed AFE associated with the Matador Production Company's Biggers Fed Com #203H well, located in Lea County, New Mexico.

\_\_\_\_\_ COGAcreage LP hereby elects not to participate for its proportionate share of the costs detailed in the enclosed AFE associated with the Matador Production Company's Biggers Fed Com #203H well, located in Lea County, New Mexico.

\_\_\_\_\_ COGAcreage LP is interested in selling its interest in this unit, please contact us to discuss.

COGAcreage LP

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

# MATADOR PRODUCTION COMPANY

ONE LINCOLN CENTRE • 5400 LBJ FREEWAY • SUITE 1500 • DALLAS, TEXAS 75240

Phone (972) 371-8200 • Fax (972) 371-8201

## ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	January 30, 2018	AFE NO.:	300023 025.01.001
WELL NAME:	Biggers Fed Com 203H	FIELD:	
LOCATION:	Section 18-26S-35E	MD/TVD:	17307/12588'
COUNTY/STATE:	Lea, NM	LATERAL LENGTH:	about 4500'
MRC Wt:			
GEOLOGIC TARGET:	Wolfcamp		
REMARKS:	Drill, complete and equip a horizontal upper Wolfcamp well with 22 stages		

	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	FACILITY COSTS	TOTAL COSTS
<b>INTANGIBLE COSTS</b>					
Land / Legal / Regulatory	\$ 181,500				\$ 181,500
Location, Surveys & Damages	200,500	8,000	4,000	20,000	232,500
Drilling	766,000				766,000
Cementing & Float Equip	227,000				227,000
Logging / Formation Evaluation		8,000			8,000
Mud Logging	27,600				27,600
Mud Circulation System	56,160				56,160
Mud & Chemicals	141,000	30,000			171,000
Mud / Wastewater Disposal	155,000				155,000
Freight / Transportation	43,200	19,500		2,500	65,200
Rig Supervision / Engineering	139,500	39,800	5,400	14,400	199,100
Drill Bits	111,200				111,200
Fuel & Power	126,000				126,000
Water	70,000	326,000			396,000
Drig & Completion Overhead	10,500	18,000			28,500
Plugging & Abandonment					
Directional Drilling, Surveys	230,000				230,000
Completion Unit, Swab, CTU		70,000	15,000		85,000
Perforating, Wireline, Silckline		102,300			102,300
High Pressure Pump Truck		38,500			38,500
Stimulation		2,156,000			2,156,000
Stimulation Flowback & Disp		150,400	90,000		240,400
Insurance	31,320				31,320
Labor	149,000	18,500	4,000		169,500
Rental - Surface Equipment	71,500	123,350	3,000	5,000	202,850
Rental - Downhole Equipment	60,000	40,000		10,000	110,000
Rental - Living Quarters	51,200	24,300	1,000		76,500
Contingency	227,854	101,265	3,240		332,359
<b>TOTAL INTANGIBLES &gt;</b>	<b>3,076,034</b>	<b>3,269,916</b>	<b>128,640</b>	<b>51,900</b>	<b>6,523,489</b>
<b>TANGIBLE COSTS</b>					
Surface Casing	\$ 56,675				\$ 56,675
Intermediate Casing	153,750				153,750
Drilling Liner	345,800				345,800
Production Casing	289,685				289,685
Production Liner					
Tubing			50,000		50,000
Wellhead	70,000		25,000		95,000
Packers, Liner Hangers		52,800	6,000		58,800
Tanks				60,000	60,000
Production Vessels			63,000	25,000	88,000
Flow Lines			50,000		50,000
Rod string					
Artificial Lift Equipment			20,000		20,000
Compressor				10,000	10,000
Installation Costs				64,000	64,000
Surface Pumps			5,000		5,000
Non-controllable Surface					
Non-controllable Downhole					
Downhole Pumps					
Measurement & Meter Installation			12,500	49,000	61,500
Gas Conditioning / Dehydration					
Interconnecting Facility Piping				80,000	80,000
Gathering / Bulk Lines					
Valves, Dumps, Controllers			2,000	4,000	6,000
Tank / Facility Containment				12,500	12,500
Flare Stack				17,500	17,500
Electrical / Grounding				5,000	5,000
Communications / SCADA				7,500	7,500
Instrumentation / Safety			10,000	22,000	32,000
<b>TOTAL TANGIBLES &gt;</b>	<b>916,710</b>	<b>82,800</b>	<b>243,500</b>	<b>356,500</b>	<b>1,568,510</b>
<b>TOTAL COSTS &gt;</b>	<b>3,991,744</b>	<b>3,322,716</b>	<b>369,140</b>	<b>408,400</b>	<b>8,091,999</b>

PREPARED BY MATADOR PRODUCTION COMPANY:

Drilling Engineer: Blake Harms	Team Lead - WTX/NM <u>WTE</u>	
Completions Engineer: Waylon Wolf	WTE	
Production Engineer: John Romano		

MATADOR RESOURCES COMPANY APPROVAL:

Executive VP, COO/CFO _____ DEL	VP - Res Engineering _____ BMR	VP - Drilling _____ BG
Executive VP, Legal _____ CA	Exec Dir - Exploration _____ NLF	
President _____ MVH		

NON OPERATING PARTNER APPROVAL:

Company Name: _____	Working Interest (%): _____	Tax ID: _____
Signed by: _____	Date: _____	
Title: _____	Approval: Yes _____ No (mark one)	

This AFE is for informational purposes only and may not be used as a contract or any other legal document. It is subject to the terms and conditions of the AFE. The Participant agrees to pay its proportionate share of actual costs incurred, including, but not limited to, regulatory fees and costs under the terms of the applicable joint operating agreement, regulatory order or other agreement covering this well. Participants shall be released by and held proportionately for Operator's well control and general liability insurance unless participant provides Operator's evidence of its own insurance to an amount acceptable to the Operator by the date of start.

## MRC Permian Company

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240  
Voice 972.371.5440 • Fax 214.866.4883  
[chahn@matadorresources.com](mailto:chahn@matadorresources.com)

---

Cassie Hahn  
Landman

February 1, 2018

VIA CERTIFIED RETURN RECEIPT MAIL

GGM Exploration, Inc  
420 Throckmorton, Suite #200  
Fort Worth, TX 76102

Re: Matador Production Company – Biggers Fed Com #203H (the “Well”)  
Participation Proposal  
Section 18, Township 25 South, Range 35 East  
Lea County, New Mexico

Dear GGM Exploration, Inc:

MRC Permian Company (“MRC”) proposes the drilling of Matador Production Company’s Biggers Fed Com #203H well, located in Section 18, Township 25 South, Range 35 East, Lea County, New Mexico to the Wolfcamp formation.

In connection with the above, please note the following:

- The estimated cost of drilling, testing, completing, and equipping the Well is \$8,091,999 as found on the enclosed AFE dated January 30, 2018.
- The proposed surface location of the Well is approximately 90’ FSL and 1256’ FEL of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico. The proposed bottom hole location of the subject well is approximately 240’ FNL and 1350’ FWL of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico.
- The Well will have a targeted interval within the Wolfcamp formation. We plan to drill the Well horizontally in the Wolfcamp (~12,588’ TVD) to a Total Measured Depth of approximately 17,307’ resulting in a productive lateral of approximately 4,500’.

MRC reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. MRC will advise you of any such modifications.

GGM Exploration, Inc , will own an approximate 0.00068750 working interest in the Well based on the JOA, subject to title verification.

MRC requests that you indicate your election to participate in the drilling and completion of the Well in the space provided below, sign and return one (1) copy of this letter to the undersigned.

MRC is proposing to drill the Well under the terms of the modified 1989 AAPL form of Operating Agreement which is enclosed for your review and approval. The enclosed Operating Agreement dated March 15, 2018, by and between Matador Production Company, as operator and MRC Permian Company et al as Non-Operators, covers the E2 of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico and has the following general provisions:

- 100/300/300 Non-consenting penalty
- \$7,000/\$700 Drilling and Producing rate
- Matador Production Company named as Operator

If your election is to participate in the drilling and completion of the Well, please sign and return a copy of the enclosed AFE within thirty (30) days of receipt of this notice. Additionally, if your election is to participate, please accept this letter as an invoice notice and request for payment. Please remit payment for your proportionate share of costs in the amount of \$5,563.25 to Matador Production Company on or before thirty (30) days after receipt of this estimate and invoice. Please be aware that the enclosed AFE is only an estimate of costs to be incurred and by electing to participate in the Well, each working interest owner shall be responsible for their proportionate share of all costs incurred.

Sincerely,



Cassie Hahn

Enclosure(s)

Please elect one of the following and return to sender.

\_\_\_\_\_ GGM Exploration, Inc hereby elects to participate for its proportionate share of the costs detailed in the enclosed AFE associated with the Matador Production Company's Biggers Fed Com #203H well, located in Lea County, New Mexico.

\_\_\_\_\_ GGM Exploration, Inc hereby elects not to participate for its proportionate share of the costs detailed in the enclosed AFE associated with the Matador Production Company's Biggers Fed Com #203H well, located in Lea County, New Mexico.

\_\_\_\_\_ GGM Exploration, Inc is interested in selling its interest in this unit, please contact us to discuss.

GGM Exploration, Inc

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**MATADOR PRODUCTION COMPANY**  
 ONE LINCOLN CENTRE • 5400 LBJ FREEWAY • SUITE 1500 • DALLAS, TEXAS 75240  
 Phone (972) 371-5200 • Fax (972) 371-5201

**ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE**

DATE:	January 30, 2018	AFE NO.:	300023.025 01.001
WELL NAME:	Biggers Fed Com 203H	FIELD:	
LOCATION:	Section 18-25S-35E	MD/VTD:	17307/12588'
COUNTY/STATE:	Lea, NM	LATERAL LENGTH:	about 4500'
MRC Wt:			
GEOLOGIC TARGET:	Wolfcamp		
REMARKS:	Drill, complete and equip a horizontal upper Wolfcamp well with 22 stages		

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	FACILITY COSTS	TOTAL COSTS
Land / Legal / Regulatory	\$ 181,500	\$ -	\$ -	\$ -	\$ 181,500
Location, Surveys & Damages	200,500	8,000	4,000	20,000	232,500
Drilling	766,000	-	-	-	766,000
Cementing & Float Equip	227,000	-	-	-	227,000
Logging / Formation Evaluation	-	6,000	-	-	6,000
Mud Logging	27,600	-	-	-	27,600
Mud Circulation System	56,180	-	-	-	56,180
Mud & Chemicals	141,000	30,000	-	-	171,000
Mud / Wastewater Disposal	155,000	-	-	-	155,000
Freight / Transportation	43,200	19,500	-	2,500	85,200
Rig Supervision / Engineering	139,500	39,800	5,400	14,400	199,100
Drill Bits	111,200	-	-	-	111,200
Fuel & Power	126,000	-	-	-	126,000
Water	70,000	326,000	-	-	396,000
Drig & Completion Overhead	10,500	18,000	-	-	28,500
Plugging & Abandonment	-	-	-	-	-
Directional Drilling, Surveys	230,000	-	-	-	230,000
Completion Unit, Swab, CTU	-	70,000	15,000	-	85,000
Perforating, Wireline, Slickline	-	102,300	-	-	102,300
High Pressure Pump Truck	-	38,500	-	-	38,500
Stimulation	-	2,156,000	-	-	2,156,000
Stimulation Flowback & Disp	-	150,400	90,000	-	240,400
Insurance	31,320	-	-	-	31,320
Labor	149,000	16,500	4,000	-	169,500
Rental - Surface Equipment	71,500	123,350	3,000	5,000	203,850
Rental - Downhole Equipment	80,000	40,000	-	10,000	110,000
Rental - Living Quarters	51,200	24,300	1,000	-	76,500
Contingency	227,854	101,285	3,240	-	332,359
<b>TOTAL INTANGIBLES &gt;</b>	<b>3,976,034</b>	<b>3,269,915</b>	<b>129,640</b>	<b>81,900</b>	<b>8,523,489</b>
TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	FACILITY COSTS	TOTAL COSTS
Surface Casing	\$ 56,675	\$ -	\$ -	\$ -	\$ 56,675
Intermediate Casing	153,750	-	-	-	153,750
Drilling Liner	345,600	-	-	-	345,600
Production Casing	289,685	-	-	-	289,685
Production Liner	-	-	-	-	-
Tubing	-	-	50,000	-	50,000
Wellhead	70,000	-	25,000	-	95,000
Packers, Liner Hangers	-	52,800	6,000	-	58,800
Tanks	-	-	-	60,000	60,000
Production Vessels	-	-	63,000	25,000	88,000
Flow Lines	-	-	50,000	-	50,000
Rod string	-	-	-	-	-
Artificial Lift Equipment	-	-	20,000	-	20,000
Compressor	-	-	-	10,000	10,000
Installation Costs	-	-	-	64,000	64,000
Surface Pumps	-	-	5,000	-	5,000
Non-controllable Surface	-	-	-	-	-
Non-controllable Downhole	-	-	-	-	-
Downhole Pumps	-	-	-	-	-
Measurement & Meter Installation	-	-	-	-	-
Gas Conditioning / Dehydration	-	-	12,500	49,000	61,500
Interconnecting Facility Piping	-	-	-	-	-
Gathering / Bulk Lines	-	-	-	80,000	80,000
Valves, Dumps, Controllers	-	-	2,000	4,000	6,000
Tank / Facility Containment	-	-	-	12,500	12,500
Flare Stack	-	-	-	17,500	17,500
Electrical / Grounding	-	-	-	5,000	5,000
Communications / SCADA	-	-	-	7,500	7,500
Instrumentation / Safety	-	-	10,000	22,000	32,000
<b>TOTAL TANGIBLES &gt;</b>	<b>916,710</b>	<b>62,800</b>	<b>243,500</b>	<b>368,500</b>	<b>1,589,510</b>
<b>TOTAL COSTS &gt;</b>	<b>3,991,744</b>	<b>3,322,715</b>	<b>369,140</b>	<b>408,400</b>	<b>8,091,999</b>

PREPARED BY MATADOR PRODUCTION COMPANY:

Drilling Engineer:	Blake Hermes	Team Lead - WTX/NM	<u>WTE</u>
Completions Engineer:	Waylon Wolf		
Production Engineer:	John Romano		

MATADOR RESOURCES COMPANY APPROVAL:

Executive VP, COO/CFO	VP - Res Engineering	VP - Drilling
DEL	BMR	BG
Executive VP, Legal	Exec Dir - Exploration	
CA	NLF	
President		
MVH		

NON OPERATING PARTNER APPROVAL:

Company Name:	Working Interest (%):	Tax ID:
Signed by:	Date:	
Title:	Approval: Yes	No (mark one)

This AFE is for informational purposes only and may not be considered as a contract or a final cost estimate. The AFE is subject to change without notice. The AFE is not a contract and does not constitute an offer of any securities. The AFE is not a contract and does not constitute an offer of any securities. The AFE is not a contract and does not constitute an offer of any securities.

## MRC Permian Company

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240  
Voice 972.371.5440 • Fax 214.866.4883  
[chatun@matadorresources.com](mailto:chatun@matadorresources.com)

---

Cassie Hahn  
Landman

February 1, 2018

VIA CERTIFIED RETURN RECEIPT MAIL

GGM Exploration, Inc  
420 Throckmorton, Suite #200  
Fort Worth, TX 76102

Re: Matador Production Company – Biggers Fed Com #214H (the “Well”)  
Participation Proposal  
Section 18, Township 25 South, Range 35 East  
Lea County, New Mexico

Dear GGM Exploration, Inc:

MRC Permian Company (“MRC”) proposes the drilling of Matador Production Company’s Biggers Fed Com #214H well, located in Section 18, Township 25 South, Range 35 East, Lea County, New Mexico to the Wolfcamp formation.

In connection with the above, please note the following:

- The estimated cost of drilling, testing, completing, and equipping the Well is \$8,094,874 as found on the enclosed AFE dated January 30, 2018.
- The proposed surface location of the Well is approximately 59’ FSL and 1226’ FEL of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico. The proposed bottom hole location of the subject well is approximately 240’ FNL and 450’ FEL of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico.
- The Well will have a targeted interval within the Wolfcamp formation. We plan to drill the Well horizontally in the Wolfcamp (~12,718’ TVD) to a Total Measured Depth of approximately 17,478’ resulting in a productive lateral of approximately 4,500’.

MRC reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. MRC will advise you of any such modifications.

GGM Exploration, Inc, will own an approximate 0.00068750 working interest in the Well based on the JOA, subject to title verification.

MRC requests that you indicate your election to participate in the drilling and completion of the Well in the space provided below, sign and return one (1) copy of this letter to the undersigned.

MRC is proposing to drill the Well under the terms of the modified 1989 AAPL form of Operating Agreement which is enclosed for your review and approval. The enclosed Operating Agreement dated March 15, 2018, by and between Matador Production Company, as operator and MRC Permian Company et al as Non-Operators, covers the E2 of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico and has the following general provisions:

- 100/300/300 Non-consenting penalty
- \$7,000/\$700 Drilling and Producing rate
- Matador Production Company named as Operator

If your election is to participate in the drilling and completion of the Well, please sign and return a copy of the enclosed AFE within thirty (30) days of receipt of this notice. Additionally, if your election is to participate, please accept this letter as an invoice notice and request for payment. Please remit payment for your proportionate share of costs in the amount of \$5,565.23 to Matador Production Company on or before thirty (30) days after receipt of this estimate and invoice. Please be aware that the enclosed AFE is only an estimate of costs to be incurred and by electing to participate in the Well, each working interest owner shall be responsible for their proportionate share of all costs incurred.

Sincerely,

  
Cassie Hahn

Enclosure(s)

Please elect one of the following and return to sender.

\_\_\_\_\_ GGM Exploration, Inc hereby elects to participate for its proportionate share of the costs detailed in the enclosed AFE associated with the Matador Production Company's Biggers Fed Com #214H well, located in Lea County, New Mexico.

\_\_\_\_\_ GGM Exploration, Inc hereby elects not to participate for its proportionate share of the costs detailed in the enclosed AFE associated with the Matador Production Company's Biggers Fed Com #214H well, located in Lea County, New Mexico.

\_\_\_\_\_ GGM Exploration, Inc is interested in selling its interest in this unit, please contact us to discuss.

GGM Exploration, Inc

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

ONE LINCOLN CENTRE • 5400 LBJ FREEWAY • SUITE 1500 • DALLAS, TEXAS 76240  
Phone (972) 371-5200 • Fax (972) 371-5201

DATE:	January 30, 2018	APF NO.:	300023 026 01 001
WELL NAME:	Biggers Fed Com 214H	FIELD:	
LOCATION:	Section 18-28S-36E	RMTVD:	17478/12718'
COUNTY/STATE:	Lee, NM	LATERAL LENGTH:	about 4500'
MRC WI:			
GEOLOGIC TARGET:	Wolfcamp		
REMARKS:	Drill, complete and equip a horizontal upper Wolfcamp well with 22 stages		

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	FACILITY COSTS	TOTAL COSTS
Land / Legal / Regulatory	\$ 181,300	\$ -	\$ -	\$ -	\$ 181,300
Location, Surveys & Damages	206,500	8,000	4,000	20,000	238,500
Drilling	766,000	-	-	-	766,000
Cementing & Float Equip	227,000	-	-	-	227,000
Logging / Formation Evaluation	-	8,000	-	-	8,000
Mud Logging	27,600	-	-	-	27,600
Mud Circulation System	56,160	-	-	-	56,160
Mud & Chemicals	141,000	30,000	-	-	171,000
Mud / Wastewater Disposal	155,000	-	-	-	155,000
Freight / Transportation	43,200	19,500	-	2,500	65,200
Rig Supervision / Engineering	138,500	38,600	5,400	14,400	196,900
Drill Bits	111,200	-	-	-	111,200
Fuel & Power	126,000	-	-	-	126,000
Water	70,000	326,000	-	-	396,000
Drig & Completion Overhead	10,500	18,000	-	-	28,500
Plugging & Abandonment	-	-	-	-	-
Directional Drilling, Surveys	-	-	-	-	-
Completion Unit, Swab, CTU	238,000	70,000	15,000	-	323,000
Perforating, Wireline, Slickline	-	102,300	-	-	102,300
High Pressure Pump Truck	-	38,500	-	-	38,500
Simulation	-	2,156,000	-	-	2,156,000
Stimulation Flowback & Disposal	-	160,400	90,000	-	250,400
Insurance	31,320	-	-	-	31,320
Labor	148,000	16,500	4,000	-	168,500
Rental - Surface Equipment	71,500	123,350	3,000	3,000	200,850
Rental - Downhole Equipment	60,000	40,000	-	10,000	110,000
Rental - Living Quarters	51,200	24,300	1,000	-	76,500
Contingency	227,854	101,285	3,740	-	332,879
<b>TOTAL INTANGIBLES &gt;</b>	<b>3,678,034</b>	<b>3,268,915</b>	<b>125,840</b>	<b>51,900</b>	<b>6,523,489</b>
TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	FACILITY COSTS	TOTAL COSTS
Surface Casing	\$ 56,675	\$ -	\$ -	\$ -	\$ 56,675
Intermediate Casing	153,750	-	-	-	153,750
Drilling Liner	348,475	-	-	-	348,475
Production Casing	289,685	-	-	-	289,685
Production Liner	-	-	-	-	-
Tubing	-	-	50,000	-	50,000
Wellhead	70,000	-	25,000	-	95,000
Packers, Liner Hangers	-	52,800	6,000	-	58,800
Tanks	-	-	-	60,000	60,000
Production Vessels	-	-	63,000	25,000	88,000
Flow Lines	-	-	50,000	-	50,000
Rod string	-	-	-	-	-
Artificial Lift Equipment	-	-	20,000	-	20,000
Compressor	-	-	-	10,000	10,000
Installation Costs	-	-	-	64,000	64,000
Surface Pumps	-	-	5,300	-	5,300
Non-controllable Surface	-	-	-	-	-
Non-controllable Downhole	-	-	-	-	-
Downhole Pumps	-	-	-	-	-
Measurement & Meter Installation	-	-	12,500	49,000	61,500
Gas Conditioning / Dehydration	-	-	-	-	-
Interconnecting Facility Piping	-	-	-	80,000	80,000
Gathering / Built Lines	-	-	2,000	-	2,000
Valves, Dumps, Controllers	-	-	-	4,000	4,000
Tank / Facility Containment	-	-	-	12,500	12,500
Flare Stack	-	-	-	17,500	17,500
Electrical / Grounding	-	-	-	5,000	5,000
Communications / SCADA	-	-	-	7,500	7,500
Instrumentation / Safety	-	-	10,000	22,000	32,000
<b>TOTAL TANGIBLES &gt;</b>	<b>918,565</b>	<b>92,800</b>	<b>243,300</b>	<b>356,500</b>	<b>1,571,165</b>
<b>TOTAL COSTS &gt;</b>	<b>3,894,619</b>	<b>3,322,715</b>	<b>369,140</b>	<b>408,400</b>	<b>8,094,874</b>

Drilling Engineer: Blake Harries  
Completions Engineer: Weylon Wolf  
Production Engineer: John Ramona

Team Lead - WTX/NM LuTE  
WTG

Executive VP, COQ/CFO	VP - Res Engineering	VP - Drilling
_____	_____	_____
_____ DCL	_____ RMR	_____ BGS
Executive VP, Legal	Exec Dir - Exploration	
_____	_____	
_____ CA	_____ NLP	
President		
_____		
_____ MVM		

Company Name: \_\_\_\_\_ Working interest (%): \_\_\_\_\_ Tax ID: \_\_\_\_\_  
Signed by: \_\_\_\_\_ Date: \_\_\_\_\_  
Title: \_\_\_\_\_ Approval: Yes \_\_\_\_\_ No (mark one)

I certify that this is a true and correct copy of the original document as it appears in the records of the Department of the Interior.

Signature: \_\_\_\_\_ Title: \_\_\_\_\_

Date: \_\_\_\_\_

## MRC Permian Company

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240  
Voice 972.371.5440 • Fax 214.866.4883  
[chahn@matadorresources.com](mailto:chahn@matadorresources.com)

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Cassie Hahn  
Landman

February 1, 2018

VIA CERTIFIED RETURN RECEIPT MAIL

COGAcreage LP  
2208 West Main Street  
Artesia, NM 88210

Re: Matador Production Company – Biggers Fed Com #214H (the “Well”)  
Participation Proposal  
Section 18, Township 25 South, Range 35 East  
Lea County, New Mexico

Dear COGAcreage LP:

MRC Permian Company (“MRC”) proposes the drilling of Matador Production Company’s Biggers Fed Com #214H well, located in Section 18, Township 25 South, Range 35 East, Lea County, New Mexico to the Wolfcamp formation.

In connection with the above, please note the following:

- The estimated cost of drilling, testing, completing, and equipping the Well is \$8,094,874 as found on the enclosed AFE dated January 30, 2018.
- The proposed surface location of the Well is approximately 59’ FSL and 1226’ FEL of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico. The proposed bottom hole location of the subject well is approximately 240’ FNL and 450’ FEL of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico.
- The Well will have a targeted interval within the Wolfcamp formation. We plan to drill the Well horizontally in the Wolfcamp (~12,718’ TVD) to a Total Measured Depth of approximately 17,478’ resulting in a productive lateral of approximately 4,500’.

MRC reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. MRC will advise you of any such modifications.

COGAcreage LP, will own an approximate 0.01250000 working interest in the Well based on the JOA, subject to title verification.

MRC requests that you indicate your election to participate in the drilling and completion of the Well in the space provided below, sign and return one (1) copy of this letter to the undersigned.

MRC is proposing to drill the Well under the terms of the modified 1989 AAPL form of Operating Agreement which is enclosed for your review and approval. The enclosed Operating Agreement dated March 15, 2018, by and between Matador Production Company, as operator and MRC Permian Company et al as Non-Operators, covers the E2 of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico and has the following general provisions:

- 100/300/300 Non-consenting penalty
- \$7,000/\$700 Drilling and Producing rate
- Matador Production Company named as Operator

If your election is to participate in the drilling and completion of the Well, please sign and return a copy of the enclosed AFE within thirty (30) days of receipt of this notice. Additionally, if your election is to participate, please accept this letter as an invoice notice and request for payment. Please remit payment for your proportionate share of costs in the amount of \$101,185.93 to Matador Production Company on or before thirty (30) days after receipt of this estimate and invoice. Please be aware that the enclosed AFE is only an estimate of costs to be incurred and by electing to participate in the Well, each working interest owner shall be responsible for their proportionate share of all costs incurred.

Sincerely,

  
Cassie Hahn

Enclosure(s)

Please elect one of the following and return to sender.

\_\_\_\_\_ COGAcreage LP hereby elects to participate for its proportionate share of the costs detailed in the enclosed AFE associated with the Matador Production Company's Biggers Fed Com #214H well, located in Lea County, New Mexico.

\_\_\_\_\_ COGAcreage LP hereby elects not to participate for its proportionate share of the costs detailed in the enclosed AFE associated with the Matador Production Company's Biggers Fed Com #214H well, located in Lea County, New Mexico.

\_\_\_\_\_ COGAcreage LP is interested in selling its interest in this unit, please contact us to discuss.

COGAcreage LP

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**MATADOR PRODUCTION COMPANY**  
 ONE LINCOLN CENTRE • 5400 LBJ FREEWAY • SUITE 1500 • DALLAS, TEXAS 75240  
 Phone (872) 371-5200 • Fax (872) 371-5201

**ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE**

DATE:	January 30, 2018	AFE NO.:	300023 026 01 001
WELL NAME:	Biggers Fed Com 214H	FIELD:	
LOCATION:	Section 18-28S-35E	MO/TVD:	17478/12718'
COUNTY/STATE:	Lee, NM	LATERAL LENGTH:	about 4500'
MRC WI:			
GEOLOGIC TARGET:	Wolfcamp		
REMARKS:	Drill, complete and equip a horizontal upper Wolfcamp well with 22 stages		

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	FACILITY COSTS	TOTAL COSTS
Land / Legal / Regulatory	181,500				181,500
Location, Surveys & Damages	205,500	8,000	4,000	20,000	232,500
Drilling	788,000				788,000
Cementing & Float Equip	227,000				227,000
Logging / Formation Evaluation		6,000			6,000
Mud Logging	27,600				27,600
Mud Circulation System	58,160				58,160
Mud & Chemicals	141,000	30,000			171,000
Mud / Wastewater Disposal	155,000				155,000
Freight / Transportation	43,200	19,300		2,500	65,000
Rig Supervision / Engineering	138,500	38,800	5,400	14,400	196,700
Drill Bits	111,200				111,200
Fuel & Power	128,000				128,000
Water	70,000	326,000			396,000
Drig & Completion Overhead	10,500	18,000			28,500
Plugging & Abandonment					
Directional Drilling, Surveys	230,000				230,000
Completion Unit, Seab, CTU		70,000	15,000		85,000
Perforating, Wireline, Slickline		102,300			102,300
High Pressure Pump Truck		38,500			38,500
Stimulation		2,158,000			2,158,000
Stimulation Flowback & Disp		160,400	90,000		250,400
Insurance	31,320				31,320
Labor	149,000	18,500	4,000		171,500
Rental - Surface Equipment	71,500	123,300	3,000	5,000	203,800
Rental - Downhole Equipment	60,000	40,000		10,000	110,000
Rental - Living Quarters	51,200	24,300	1,000		76,500
Contingency	227,654	101,289	3,240		332,183
<b>TOTAL INTANGIBLES &gt;</b>	<b>3,076,034</b>	<b>3,269,916</b>	<b>125,640</b>	<b>51,980</b>	<b>6,523,489</b>
TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	FACILITY COSTS	TOTAL COSTS
Surface Casing	56,875				56,875
Intermediate Casing	153,750				153,750
Drilling Liner	348,475				348,475
Production Casing	289,685				289,685
Production Liner					
Tubing			50,000		50,000
Wellhead	70,000		25,000		95,000
Packers, Liner Hangers		52,800	6,000		58,800
Tanks			60,000		60,000
Production Vessels			63,000	28,000	91,000
Flow Lines			50,000		50,000
Rod string					
Artificial Lift Equipment			20,000		20,000
Compressor				10,000	10,000
Installation Costs				64,000	64,000
Surface Pumps			5,000		5,000
Non-controllable Surface					
Non-controllable Downhole					
Downhole Pumps					
Measurement & Meter Installation			12,500	48,000	60,500
Gas Conditioning / Dehydration					
Interconnecting Facility Piping				80,000	80,000
Gathering / Bulk Lines					
Valves, Dumps, Controllers			2,000	4,000	6,000
Tank / Facility Containment				12,500	12,500
Flare Stack				17,500	17,500
Electrical / Grounding				5,000	5,000
Communications / SCADA				7,500	7,500
Instrumentation / Safety			10,000	22,000	32,000
<b>TOTAL TANGIBLES &gt;</b>	<b>918,648</b>	<b>52,800</b>	<b>243,900</b>	<b>356,500</b>	<b>1,571,848</b>
<b>TOTAL COSTS &gt;</b>	<b>3,994,619</b>	<b>3,322,716</b>	<b>369,540</b>	<b>408,480</b>	<b>8,094,874</b>

**PREPARED BY MATADOR PRODUCTION COMPANY:**

Drilling Engineer:	Shane Hennes	Team Lead - WTX/NM	<u>WTE</u>
Completions Engineer:	Waylon Wolf		WTL
Production Engineer:	John Rotundo		

**MATADOR RESOURCES COMPANY APPROVAL:**

Executive VP, COO/CFO	VP - Res Engineering	VP - Drilling
_____ DEL	_____ BMR	_____ BG
Executive VP, Legal	Exec Dir - Exploration	
_____ CA	_____ HLP	
President		
_____ MVH		

**NON OPERATING PARTNER APPROVAL:**

Company Name:	Working Interest (%):	Tax ID:
_____	_____	_____
Signed by:	Date:	
_____	_____	
Title:	Approval: Yes	No (mark one)
_____	_____	_____

Matador Production Company and its subsidiaries are not responsible for the accuracy or completeness of the information provided in this document. The information is provided for informational purposes only and should not be used for any other purpose. The information is provided for informational purposes only and should not be used for any other purpose. The information is provided for informational purposes only and should not be used for any other purpose.

## MRC Permian Company

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240  
Voice 972.371.5440 • Fax 214.866.4883  
[chahn@matadorresources.com](mailto:chahn@matadorresources.com)

---

**Cassie Hahn  
Landman**

February 1, 2018

VIA CERTIFIED RETURN RECEIPT MAIL

COGAcreage LP  
2208 West Main Street  
Artesia, NM 88210

Re: Matador Production Company – Biggers Fed Com #217H (the “Well”)  
Participation Proposal  
Section 18, Township 25 South, Range 35 East  
Lea County, New Mexico

Dear COGAcreage LP:

MRC Permian Company (“MRC”) proposes the drilling of Matador Production Company’s Biggers Fed Com #217H well, located in Section 18, Township 25 South, Range 35 East, Lea County, New Mexico to the Wolfcamp formation.

In connection with the above, please note the following:

- The estimated cost of drilling, testing, completing, and equipping the Well is \$8,095,744 as found on the enclosed AFE dated January 30, 2018.
- The proposed surface location of the Well is approximately 59’ FSL and 1256’ FEL of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico. The proposed bottom hole location of the subject well is approximately 240’ FNL and 2250’ FEL of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico.
- The Well will have a targeted interval within the Wolfcamp formation. We plan to drill the Well horizontally in the Wolfcamp (~12,718’ TVD) to a Total Measured Depth of approximately 17,492’ resulting in a productive lateral of approximately 4,500’.

MRC reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. MRC will advise you of any such modifications.

COGAcreage LP, will own an approximate 0.01250000 working interest in the Well based on the JOA, subject to title verification.

MRC requests that you indicate your election to participate in the drilling and completion of the Well in the space provided below, sign and return one (1) copy of this letter to the undersigned.

MRC is proposing to drill the Well under the terms of the modified 1989 AAPL form of Operating Agreement which is enclosed for your review and approval. The enclosed Operating Agreement dated March 15, 2018, by and between Matador Production Company, as operator and MRC Permian Company et al as Non-Operators, covers the E2 of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico and has the following general provisions:

- 100/300/300 Non-consenting penalty
- \$7,000/\$700 Drilling and Producing rate
- Matador Production Company named as Operator

If your election is to participate in the drilling and completion of the Well, please sign and return a copy of the enclosed AFE within thirty (30) days of receipt of this notice. Additionally, if your election is to participate, please accept this letter as an invoice notice and request for payment. Please remit payment for your proportionate share of costs in the amount of \$101,196.80 to Matador Production Company on or before thirty (30) days after receipt of this estimate and invoice. Please be aware that the enclosed AFE is only an estimate of costs to be incurred and by electing to participate in the Well, each working interest owner shall be responsible for their proportionate share of all costs incurred.

Sincerely,



Cassie Hahn

Enclosure(s)

Please elect one of the following and return to sender.

\_\_\_\_\_ COGAcreage LP hereby elects to participate for its proportionate share of the costs detailed in the enclosed AFE associated with the Matador Production Company's Biggers Fed Com #217H well, located in Lea County, New Mexico.

\_\_\_\_\_ COGAcreage LP hereby elects not to participate for its proportionate share of the costs detailed in the enclosed AFE associated with the Matador Production Company's Biggers Fed Com #217H well, located in Lea County, New Mexico.

\_\_\_\_\_ COGAcreage LP is interested in selling its interest in this unit, please contact us to discuss.

COGAcreage LP

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**MATADOR PRODUCTION COMPANY**  
 ONE LINCOLN CENTRE • 5400 LBJ FREEWAY • SUITE 1800 • DALLAS, TEXAS 75240  
 Phone (972) 371-5200 • Fax (972) 371-5201

**ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE**

DATE:	January 30, 2018	AFE NO.:	300023 027 01 001
WELL NAME:	Biggers Fed Com 217H	FIELD:	
LOCATION:	Section 18-25S-35E	MD/TVD:	17492/12718'
COUNTY/STATE:	Lea, NM	LATERAL LENGTH:	about 4500'
MRC Wt:			
GEOLOGIC TARGET:	Wolfcamp		
REMARKS:	Drill, complete and equip a horizontal upper Wolfcamp well with 22 stages		

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	FACILITY COSTS	TOTAL COSTS
Land / Legal / Regulatory	\$ 181,500				\$ 181,500
Location, Surveys & Damages	205,500	8,000	4,300	20,000	232,500
Drilling	766,000				766,000
Cementing & Float Equip	227,000				227,000
Logging / Formation Evaluation		6,000			6,000
Mud Logging	27,600				27,600
Mud Circulation System	50,160				50,160
Mud & Chemicals	141,000	30,000			171,000
Mud / Wastewater Disposal	155,000				155,000
Freight / Transportation	43,200	19,500		2,500	65,200
Rig Supervision / Engineering	139,500	39,400	5,400	14,400	198,300
Drill Bits	111,200				111,200
Fuel & Power	126,000				126,000
Water	70,000	326,000			396,000
Drig & Completion Overhead	10,500	18,000			28,500
Plugging & Abandonment					
Directional Drilling, Surveys	230,000				230,000
Completion Unit, Swab, CTU		70,000	13,000		83,000
Perforating, Wireline, Slickline		102,300			102,300
High Pressure Pump Truck		38,500			38,500
Stimulation		2,158,000			2,158,000
Stimulation Flowback & Disp		150,400	90,000		240,400
Insurance	31,320				31,320
Labor	149,000	16,500	4,000		169,500
Rental - Surface Equipment	71,500	123,350	3,000	5,000	203,350
Rental - Downhole Equipment	90,000	40,000		10,000	140,000
Rental - Living Quarters	51,200	24,300	1,000		76,500
Contingency	227,854	101,285	3,240		332,359
<b>TOTAL INTANGIBLES &gt;</b>	<b>3,976,034</b>	<b>3,269,915</b>	<b>125,840</b>	<b>51,900</b>	<b>8,523,489</b>
TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	FACILITY COSTS	TOTAL COSTS
Surface Casing	\$ 58,875				\$ 58,875
Intermediate Casing	153,750				153,750
Drilling Liner	348,475				348,475
Production Casing	290,555				290,555
Production Liner					
Tubing			50,000		50,000
Wellhead	70,000		25,000		95,000
Packers, Liner Hangers		52,800	6,000		58,800
Tanks				60,000	60,000
Production Vessels			63,000	25,000	88,000
Flow Lines			50,000		50,000
Rod string					
Artificial Lift Equipment			20,000		20,000
Compressor				10,000	10,000
Installation Costs				84,000	84,000
Surface Pumps			5,300		5,300
Non-controllable Surface					
Non-controllable Downhole					
Downhole Pumps					
Measurement & Meter Installation			12,500	49,000	61,500
Gas Conditioning / Dehydration					
Interconnecting Facility Piping				80,000	80,000
Gathering / Bulk Lines					
Valves, Cumps, Controllers			2,000	4,000	6,000
Tank / Facility Containment				12,500	12,500
Flare Stack				17,500	17,500
Electrical / Grounding				5,000	5,000
Communications / SCADA				7,500	7,500
Instrumentation / Safety			10,000	22,000	32,000
<b>TOTAL TANGIBLES &gt;</b>	<b>919,455</b>	<b>52,800</b>	<b>243,500</b>	<b>356,500</b>	<b>1,572,255</b>
<b>TOTAL COSTS &gt;</b>	<b>3,995,489</b>	<b>3,322,715</b>	<b>369,340</b>	<b>408,400</b>	<b>8,095,744</b>

**PREPARED BY MATADOR PRODUCTION COMPANY:**

Drilling Engineer:	Alexis	Team Lead - WT/KNM	<u>WTE</u>
Completions Engineer:	Wayne		
Production Engineer:	John		

**MATADOR RESOURCES COMPANY APPROVAL:**

Executive VP, COO/CFO	VP - Res Engineering	VP - Drilling
Executive VP, Legal	Exec Dir - Exploration	
President		

**NON OPERATING PARTNER APPROVAL:**

Company Name:	Working Interest (%):	Tax ID:
Signed by:	Date:	
Title:	Approval: Yes	No (mark one)

## MRC Permian Company

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240  
Voice 972.371.5440 • Fax 214.866.4883  
[chahn@matadorresources.com](mailto:chahn@matadorresources.com)

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**Cassie Hahn**  
**Landman**

February 1, 2018

VIA CERTIFIED RETURN RECEIPT MAIL

GGM Exploration, Inc  
420 Throckmorton, Suite #200  
Fort Worth, TX 76102

Re: Matador Production Company – Biggers Fed Com #217H (the "Well")  
Participation Proposal  
Section 18, Township 25 South, Range 35 East  
Lea County, New Mexico

Dear GGM Exploration, Inc:

MRC Permian Company ("MRC") proposes the drilling of Matador Production Company's Biggers Fed Com #217H well, located in Section 18, Township 25 South, Range 35 East, Lea County, New Mexico to the Wolfcamp formation.

In connection with the above, please note the following:

- The estimated cost of drilling, testing, completing, and equipping the Well is \$8,095,744 as found on the enclosed AFE dated January 30, 2018.
- The proposed surface location of the Well is approximately 59' FSL and 1256' FEL of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico. The proposed bottom hole location of the subject well is approximately 240' FNL and 2250' FEL of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico.
- The Well will have a targeted interval within the Wolfcamp formation. We plan to drill the Well horizontally in the Wolfcamp (~12,718' TVD) to a Total Measured Depth of approximately 17,492' resulting in a productive lateral of approximately 4,500'.

MRC reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. MRC will advise you of any such modifications.

GGM Exploration, Inc, will own an approximate 0.00068750 working interest in the Well based on the JOA, subject to title verification.

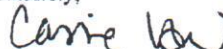
MRC requests that you indicate your election to participate in the drilling and completion of the Well in the space provided below, sign and return one (1) copy of this letter to the undersigned.

MRC is proposing to drill the Well under the terms of the modified 1989 AAPL form of Operating Agreement which is enclosed for your review and approval. The enclosed Operating Agreement dated March 15, 2018, by and between Matador Production Company, as operator and MRC Permian Company et al as Non-Operators, covers the E2 of Section 18, Township 25 South, Range 35 East, Lea County, New Mexico and has the following general provisions:

- 100/300/300 Non-consenting penalty
- \$7,000/\$700 Drilling and Producing rate
- Matador Production Company named as Operator

If your election is to participate in the drilling and completion of the Well, please sign and return a copy of the enclosed AFE within thirty (30) days of receipt of this notice. Additionally, if your election is to participate, please accept this letter as an invoice notice and request for payment. Please remit payment for your proportionate share of costs in the amount of \$5,565.82 to Matador Production Company on or before thirty (30) days after receipt of this estimate and invoice. Please be aware that the enclosed AFE is only an estimate of costs to be incurred and by electing to participate in the Well, each working interest owner shall be responsible for their proportionate share of all costs incurred.

Sincerely,

  
Cassie Hahn

Enclosure(s)

Please elect one of the following and return to sender.

\_\_\_\_\_ GGM Exploration, Inc hereby elects to participate for its proportionate share of the costs detailed in the enclosed AFE associated with the Matador Production Company's Biggers Fed Com #217H well, located in Lea County, New Mexico.

\_\_\_\_\_ GGM Exploration, Inc hereby elects not to participate for its proportionate share of the costs detailed in the enclosed AFE associated with the Matador Production Company's Biggers Fed Com #217H well, located in Lea County, New Mexico.

\_\_\_\_\_ GGM Exploration, Inc is interested in selling its interest in this unit, please contact us to discuss.

GGM Exploration, Inc

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**MATADOR PRODUCTION COMPANY**  
 ONE LINCOLN CENTRE • 5400 LBJ FREEWAY • SUITE 1500 • DALLAS, TEXAS 75240  
 Phone (972) 371-5200 • Fax (972) 371-5201

**ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE**

DATE:	January 30, 2018	AFE NO.:	300023 027 01 001
WELL NAME:	Biggers Fed Com 217H	FIELD:	
LOCATION:	Section 18-25S-35E	MD/TVD:	17492'/12718'
COUNTY/STATE:	Lea, NM	LATERAL LENGTH:	about 4500'
MRC WI:			
GEOLOGIC TARGET:	Wolfcamp		
REMARKS:	Drill, complete and equip a horizontal upper Wolfcamp well with 22 stages		

INTANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	FACILITY COSTS	TOTAL COSTS
Land / Legal / Regulatory	\$ 181,500				\$ 181,500
Location, Surveys & Damages	200,500	8,000	4,000	20,000	232,500
Drilling	766,000				766,000
Cementing & Float Equip	227,000				227,000
Logging / Formation Evaluation		6,000			6,000
Mud Logging	27,600				27,600
Mud Circulation System	58,160				58,160
Mud & Chemicals	141,000	30,000			171,000
Mud / Wastewater Disposal	155,000				155,000
Freight / Transportation	43,200	19,500		2,500	85,200
Rig Supervision / Engineering	139,500	39,800	3,400	14,400	199,100
Drill Bits	111,200				111,200
Fuel & Power	126,000				126,000
Water	70,000	328,000			398,000
Drig & Completion Overhead	10,500	18,000			28,500
Plugging & Abandonment					
Directional Drilling, Surveys	230,000				230,000
Completion Unit, Swab, CTU		70,000	15,000		85,000
Perforating, Wireline, Slickline		102,300			102,300
High Pressure Pump Truck		38,500			38,500
Stimulation		2,156,000			2,156,000
Stimulation Flowback & Disp		150,400	50,000		240,400
Insurance	31,320				31,320
Labor	149,000	16,500	4,000		169,500
Rental - Surface Equipment	71,500	123,350	3,000	5,000	203,850
Rental - Downhole Equipment	60,000	40,000		10,000	110,000
Rental - Living Quarters	51,200	24,300	1,000		76,500
Contingency	227,854	101,265	3,240		332,359
<b>TOTAL INTANGIBLES &gt;</b>	<b>3,076,034</b>	<b>3,269,915</b>	<b>125,840</b>	<b>\$1,900</b>	<b>6,523,489</b>
TANGIBLE COSTS	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	FACILITY COSTS	TOTAL COSTS
Surface Casing	\$ 56,875				\$ 56,875
Intermediate Casing	153,750				153,750
Drilling Liner	348,475				348,475
Production Casing	290,355				290,355
Production Liner					
Tubing			50,000		50,000
Wellhead	70,000		25,000		95,000
Packers, Liner Hangers		52,800	6,000		58,800
Tanks				60,000	60,000
Production Vessels			63,000	25,000	88,000
Flow Lines			50,000		50,000
Rod string					
Artificial Lift Equipment			20,000		20,000
Compressor				10,000	10,000
Installation Costs				64,000	64,000
Surface Pumps			5,000		5,000
Non-controllable Surface					
Non-controllable Downhole					
Downhole Pumps					
Measurement & Meter Installation			12,500	49,000	61,500
Gas Conditioning / Dehydration					
Interconnecting Facility Piping				80,000	80,000
Gathering / Bulk Lines					
Valves, Cumps, Controllers			2,000	4,000	6,000
Tank / Facility Containment				12,500	12,500
Flare Stack				17,500	17,500
Electrical / Grounding				5,000	5,000
Communications / SCADA				7,500	7,500
Instrumentation / Safety			10,000	22,000	32,000
<b>TOTAL TANGIBLES &gt;</b>	<b>919,455</b>	<b>52,800</b>	<b>243,500</b>	<b>366,500</b>	<b>1,572,255</b>
<b>TOTAL COSTS &gt;</b>	<b>3,995,489</b>	<b>3,322,715</b>	<b>369,340</b>	<b>468,400</b>	<b>8,095,744</b>

**PREPARED BY MATADOR PRODUCTION COMPANY:**

Drilling Engineer:	Blake Meadows	Team Lead - WTK/NM:	<u>WTE</u>
Completion Engineer:	Waylon Wall		
Production Engineer:	Joan Rodriguez		

**MATADOR RESOURCES COMPANY APPROVAL:**

Executive VP, GEO/CFO:	<u>DEL</u>	VP - Res Engineering:	<u>BMR</u>	VP - Drilling:	<u>GG</u>
Executive VP, Legal:	<u>CA</u>	Exec Dir - Exploration:	<u>NLP</u>		
President:	<u>WVW</u>				

**NON OPERATING PARTNER APPROVAL:**

Company Name:	Working Interest (%):	Tax ID:
Signed by:	Date:	
Title:	Approval: Yes <input type="checkbox"/> No <input type="checkbox"/> (mark one)	

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED  
BY THE OIL CONSERVATION DIVISION FOR  
THE PURPOSE OF CONSIDERING:

APPLICATION OF MATADOR PRODUCTION COMPANY FOR A NONSTANDARD OIL SPACING AND PRORATION UNIT, AN UNORTHODOX WELL LOCATION, AND COMPULSORY POOLING, LEA COUNTY, NEW MEXICO. CASE NOS. 16178, 16179, 16180

REPORTER'S TRANSCRIPT OF PROCEEDINGS

EXAMINER HEARING

May 31, 2018

EXHIBIT 3

anta Fe, New Mexico

BEFORE: WILLIAM V. JONES, CHIEF EXAMINER  
LEONARD LOWE, TECHNICAL EXAMINER  
DAVID K. BROOKS, LEGAL EXAMINER

This matter came on for hearing before the New Mexico Oil Conservation Division, William V. Jones, Chief Examiner, Leonard Lowe, Technical Examiner, and David K. Brooks, Legal Examiner, on Thursday, May 31, 2018, at the New Mexico Energy, Minerals and Natural Resources Department, Wendell Chino Building, 1220 South St. Francis Drive, Porter Hall, Room 102, Santa Fe, New Mexico.

REPORTED BY: Mary C. Hankins, CCR, RPR  
New Mexico CCR #20  
Paul Baca Professional Court Reporters  
500 4th Street, Northwest, Suite 105  
Albuquerque, New Mexico 87102  
(505) 843-9241

EXHIBIT 3

PAUL BACA PROFESSIONAL COURT R  
500 FOURTH STREET NW - SUITE 105, ALBUQ

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CLARK COLLIER,

after having been previously sworn under oath, was  
questioned and testified as follows:

DIRECT EXAMINATION

BY MR. BRUCE:

**Q. Would you please state your name for the  
record?**

A. Clark Collier.

**Q. And where do you reside?**

A. Dallas, Texas.

**Q. Who do you work for and in what capacity?**

A. I work for Matador Resources Company as a  
senior geologist.

**Q. And have you previously testified before the  
Division?**

A. Yes, sir.

**Q. And were your credentials as an expert  
petroleum geologist accepted as a matter of record?**

A. Yes, sir.

**Q. Do your duties at Matador include this portion  
of the Permian Basin?**

A. Yes, sir.

**Q. And are you familiar with the geology involved  
in this application?**

A. Yes, sir.

1                   MR. BRUCE: Mr. Examiner, I tender  
2 Mr. Collier as an expert petroleum geologist.

3                   EXAMINER JONES: He is so qualified.

4           **Q. (BY MR. BRUCE) What is Exhibit 6, Mr. Collier?**

5           A. Exhibit 6 is a locator map identifying the  
6 Biggers acreage in Lea County, New Mexico. It's in  
7 Section 18-25, 35 East.

8           **Q. And what is Exhibit 7?**

9           A. Exhibit 7 is a structure map at the top of the  
10 Wolfcamp. There are also red circles identifying the  
11 Wolfcamp producers in the area, as well as a  
12 cross-section line from A to A prime using three type  
13 logs in the area.

14           **Q. Let's refer to the cross section. Is that**  
15 **marked as Exhibit 8?**

16           A. Yes, sir.

17           **Q. What does that show?**

18           A. So this shows a cross section from the logs  
19 shown on the previous map. It's datum on the top of the  
20 Wolfcamp, and you can see I've identified the base of  
21 the Wolfcamp there along the bottom. The last well  
22 didn't go deep enough to capture the bottom of the  
23 Wolfcamp, so I just put a dashed line there where I  
24 guessed where the Wolfcamp base would be. We've also  
25 highlighted the interval that we are targeting in these

1 three wells with the yellow highlighted box up near the  
2 top of the Wolfcamp.

3 Q. And is the target zone continuous across this  
4 portion of the Wolfcamp?

5 A. Yes, it is.

6 Q. That well you mentioned on the right, what zone  
7 was tested by that well?

8 A. That was a pilot well that was drilled  
9 basically into the middle of the Wolfcamp, and then they  
10 went up and drilled a horizontal well in the Delaware  
11 Mountain Group, in the Brushy Canyon.

12 Q. And is there a larger size cross section?

13 A. Yes. There is a little foldout version of the  
14 cross section. It's a little bit bigger. You can see a  
15 little more detail.

16 Q. And these wells in the cross section, the two  
17 on the left there are older deeper wells, probably  
18 vertical wells?

19 A. They are. They're older vertical wells that  
20 went on down through -- they TD'd -- both of them TD'd  
21 in the Fusselman, so one of them is 17,000 feet or so  
22 and the other one is 20,000 feet deep, so a lot of data  
23 there.

24 EXAMINER JONES: Wow.

25 THE WITNESS: Yeah.

1 Q. (BY MR. BRUCE) Are these logs a good example of  
2 the Wolfcamp in this area?

3 A. Yes, sir.

4 Q. Let's move on to your Exhibit 9. What is that?

5 A. This is an isopach map from the top of the  
6 Wolfcamp to the base of the Wolfcamp, as shown on the  
7 cross section -- on the previous cross section. It also  
8 highlights our project area. I should specify that the  
9 project area is not representative of the proration  
10 units. That's a 320-acre box. It's just highlighting  
11 the project area for these three wells. It also shows  
12 that the thickness of the Wolfcamp in this area is about  
13 1,150, 1,200 feet thick relatively uniformly across  
14 the -- across the acreage, and we expect for every  
15 quarter-quarter to produce relatively the same across  
16 these units.

17 Q. And can this acreage be efficiently and  
18 economically drained by horizontal wells?

19 A. Yes, sir.

20 Q. And I'm looking at all of your geologic  
21 exhibits. Is there any faulting in this area that would  
22 impair the drilling of a well?

23 A. No, sir.

24 Q. And there are no pinch-outs or geologic  
25 impediments to drilling horizontal wells?

1           A.    No, sir.

2           **Q.    Finally, what is Exhibit 10?**

3           A.    Exhibit 10 is a wellbore diagram or a cartoon.  
4    There's actually three of them, so the -- there is an A,  
5    B and C.  And they're all the same idea, showing a  
6    diagram of the wellbore that identifies our first take  
7    point and last take point to be no closer than 330 feet  
8    from the south line and from the north line.

9           **Q.    Now, these are north-south views, so it doesn't**  
10   **reflect the unorthodox location for the 203H well; is**  
11   **that correct?**

12          A.    That is correct.

13          **Q.    Why are you putting that well so close to the**  
14   **middle of this half section line?**

15          A.    So we're attempting to more or less equally  
16    space the wells so we can get an effective drainage  
17    pattern for the Upper Wolfcamp.

18          **Q.    And you hope to achieve better recovery from**  
19   **that pattern?**

20          A.    Yes, sir.

21          **Q.    In your opinion, will the granting of these**  
22   **three applications be in the best interest of**  
23   **conservation, the prevention of waste and the protection**  
24   **of correlative rights?**

25          A.    Yes, sir.

1           Q.    And were Matador Exhibits 6 through 10 prepared  
2   by you or compiled under your supervision and direction?

3           A.    Yes, they were.

4                   MR. BRUCE:  Mr. Examiner, I move the  
5   admission of Exhibits 6 through 10.

6                   EXAMINER JONES:  Exhibits 6 through 10 are  
7   admitted.

8                   (Matador Production Company Exhibit Numbers  
9                   6 through 10 are offered and admitted into  
10                  evidence.)

11                  EXAMINER JONES:  Mr. Lowe?

12                               CROSS-EXAMINATION

13   BY EXAMINER LOWE:

14           Q.    I didn't catch -- what's your -- on Exhibit 8,  
15   your thickness of your yellow line?

16           A.    Of the yellow box there?  It's -- so the tick  
17   marks on the depth column there are 100-foot tick marks,  
18   so we're approximately 175 feet thick that area -- that  
19   identified zone.

20           Q.    That's all I've got.  Thank you.

21                   EXAMINER BROOKS:  No questions.

22                               CROSS-EXAMINATION

23   BY EXAMINER JONES:

24           Q.    Okay.  You know, since you're up here, on  
25   Exhibit 6, the Abo Reef, kind of the lip that goes out

1       there on the northeast, what is that?

2           A.     That's where the San Simon Channel is.

3           Q.     Oh, San Simon Channel.

4           A.     Uh-huh.

5           Q.     Okay. So that has nothing to do with the Pecos  
6       Slope, Abo? That's way up north, right? The Abo trim  
7       goes across kind of east-west?

8           A.     Right.

9           Q.     Okay. Okay. It doesn't have to do with the  
10       case.

11                       But you're just calling it Upper Wolfcamp  
12       here. You're not calling it Wolfcamp A and B or  
13       Wolfcamp A or --

14           A.     We would identify this as our Wolfcamp A, but  
15       that's an internal nomenclature. This is our -- these  
16       wells will be in our -- what we identify as Wolfcamp A.

17           Q.     Okay.

18           A.     Yes, sir.

19           Q.     And will that drain up into the Bone Spring?

20           A.     We don't think it will.

21           Q.     Thanks very much.

22           A.     Thank you.

23                       EXAMINER JONES: With that --

24                       Is that all in these three cases?

25                       MR. BRUCE: That is all on these three

1 cases. Please continue for notice.

2 EXAMINER JONES: Cases 16178 and 16179 and  
3 16180 are continued to June 14th.

4 Can we take a ten-minute break?

5 (Case Numbers 16178, 16179 and 16180  
6 conclude, 10:45 a.m.)

7 (Recess 10:45 a.m. to 11:01 a.m.)

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1 STATE OF NEW MEXICO  
2 COUNTY OF BERNALILLO  
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4 CERTIFICATE OF COURT REPORTER

5 I, MARY C. HANKINS, Certified Court  
6 Reporter, New Mexico Certified Court Reporter No. 20,  
7 and Registered Professional Reporter, do hereby certify  
8 that I reported the foregoing proceedings in  
9 stenographic shorthand and that the foregoing pages are  
10 a true and correct transcript of those proceedings that  
11 were reduced to printed form by me to the best of my  
12 ability.

13 I FURTHER CERTIFY that the Reporter's  
14 Record of the proceedings truly and accurately reflects  
15 the exhibits, if any, offered by the respective parties.

16 I FURTHER CERTIFY that I am neither  
17 employed by nor related to any of the parties or  
18 attorneys in this case and that I have no interest in  
19 the final disposition of this case.

20 DATED THIS 23rd day of June 2018.  
21

22  
23 MARY C. HANKINS, CCR, RPR  
24 Certified Court Reporter  
25 New Mexico CCR No. 20  
Date of CCR Expiration: 12/31/2018  
Paul Baca Professional Court Reporters

# **MATADOR PRODUCTION COMPANY**

**Biggers Federal**

**Nos. 203H, 214H and 217H**

**Cases 16178, 16179 and 16180**

**STATE OF NEW MEXICO  
DEPARTMENT OF ENERGY, MINERALS AND NATURAL  
RESOURCES  
OIL CONSERVATION DIVISION**

**APPLICATIONS OF MATADOR  
PRODUCTION COMPANY  
FOR COMPULSORY POOLING  
AND NONSTANDARD OIL SPACING  
AND PRORATION UNITS  
LEA COUNTY, NEW MEXICO**

CASE NOS. 16178, 16179 & 16180

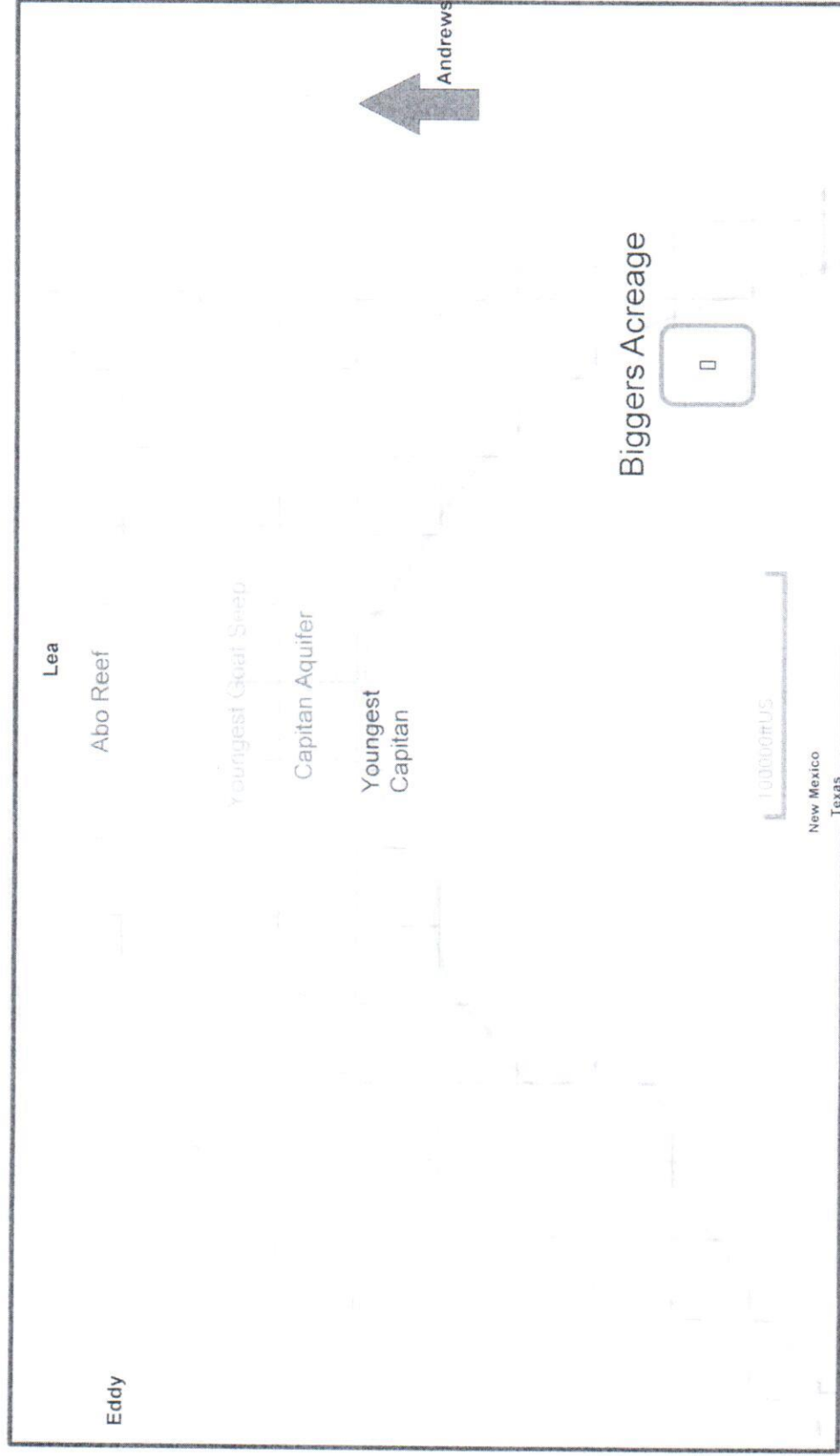
May 31, 2018

**EXHIBIT NOTEBOOK  
Biggers Federal #203H, #214H & #217H**

Exhibit 1	C-102 Forms
Exhibit 2	Midland Map
Exhibit 3	Summary of Interests
Exhibit 4	Well Proposal Letters
Exhibit 5	Affidavit, notice letters, proof of mailing
Exhibit 6	Locator Map
Exhibit 7	Structure Map
Exhibit 8	Stratigraphic Cross Section A-A'
Exhibit 9	Isopach Map
Exhibit 10	Biggers Federal Wells' Completions

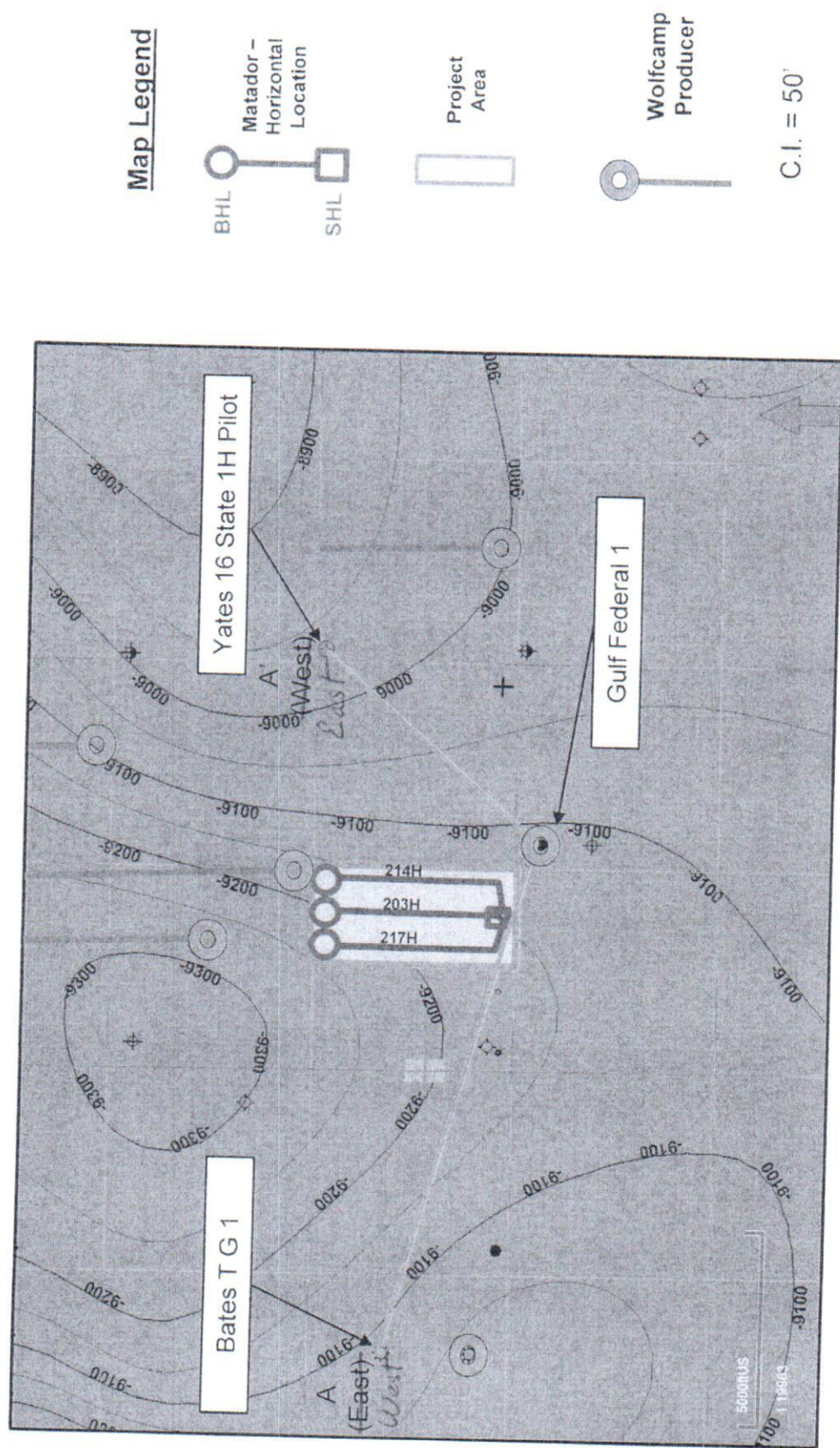
# Dogie Draw; Wolfcamp, (Pool Code 17980) Locator Map

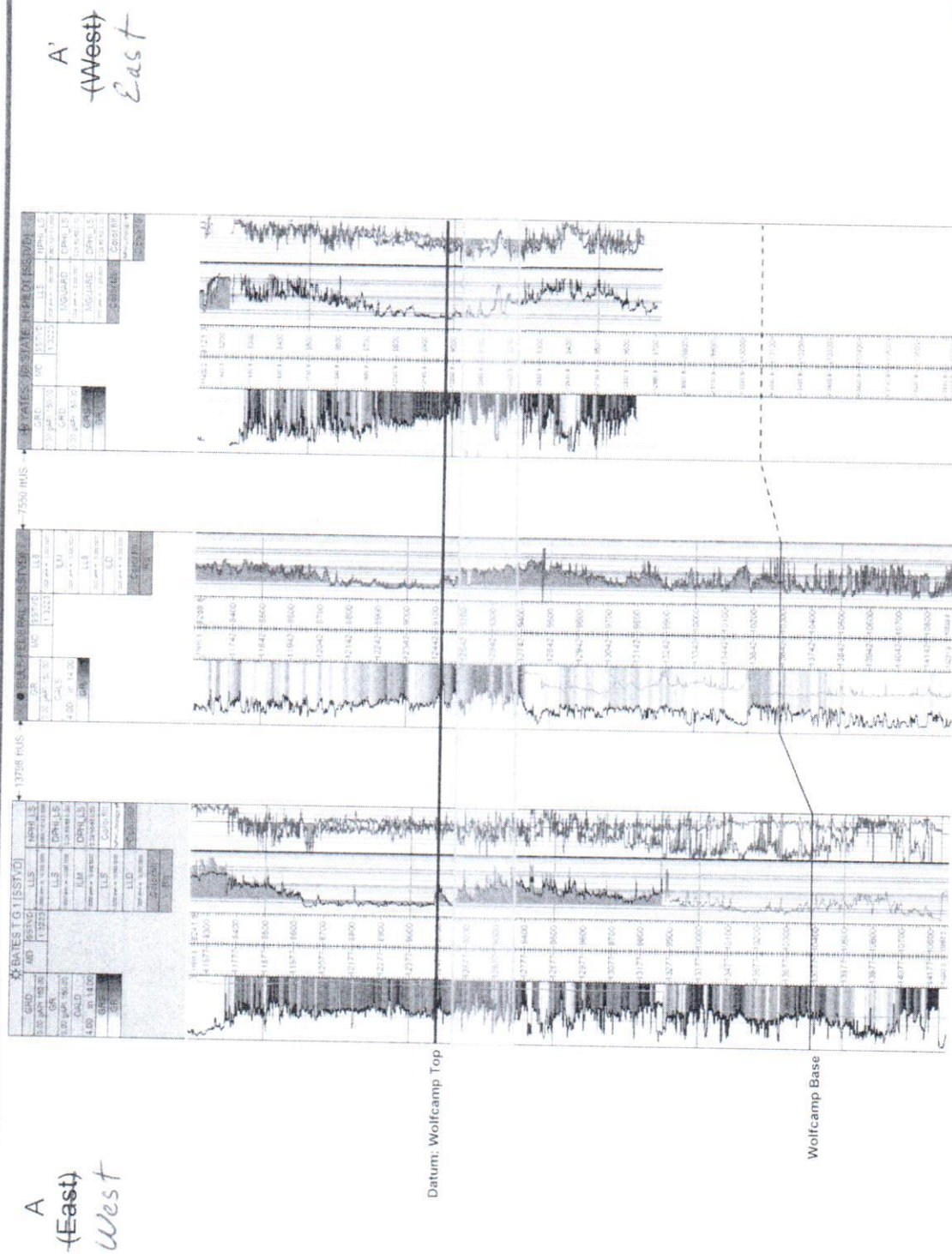
Matador  
Exhibit 6



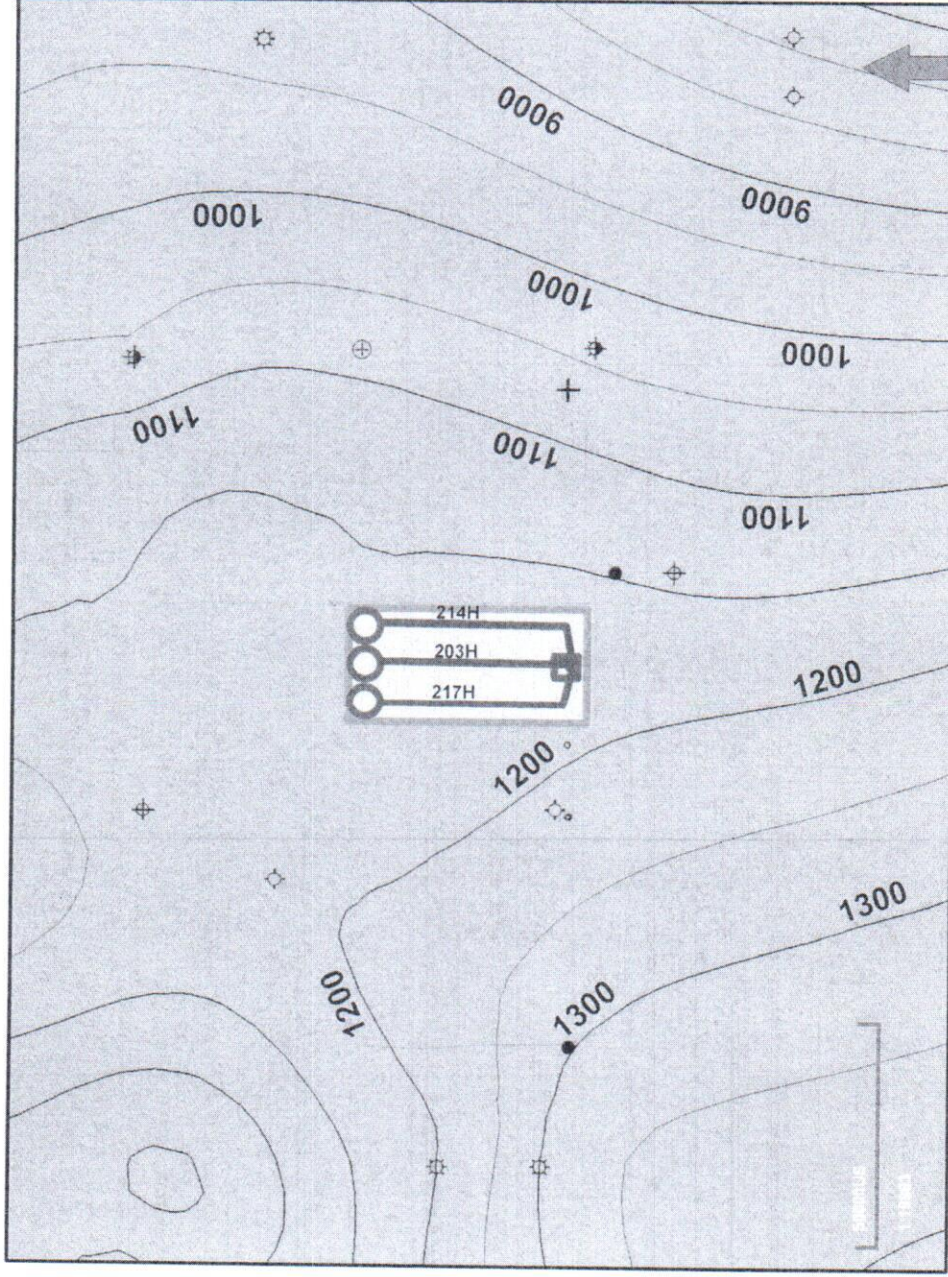
Biggers Fed Com #203H, #214H & #217H



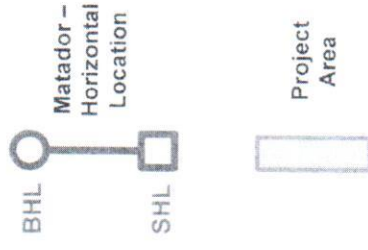
Dogie Draw; Wolfcamp, (Pool Code 17980)  
Wolfcamp Structure Map



# Dogie Draw; Wolfcamp, (Pool Code 17980) Wolfcamp Isopach



## Map Legend

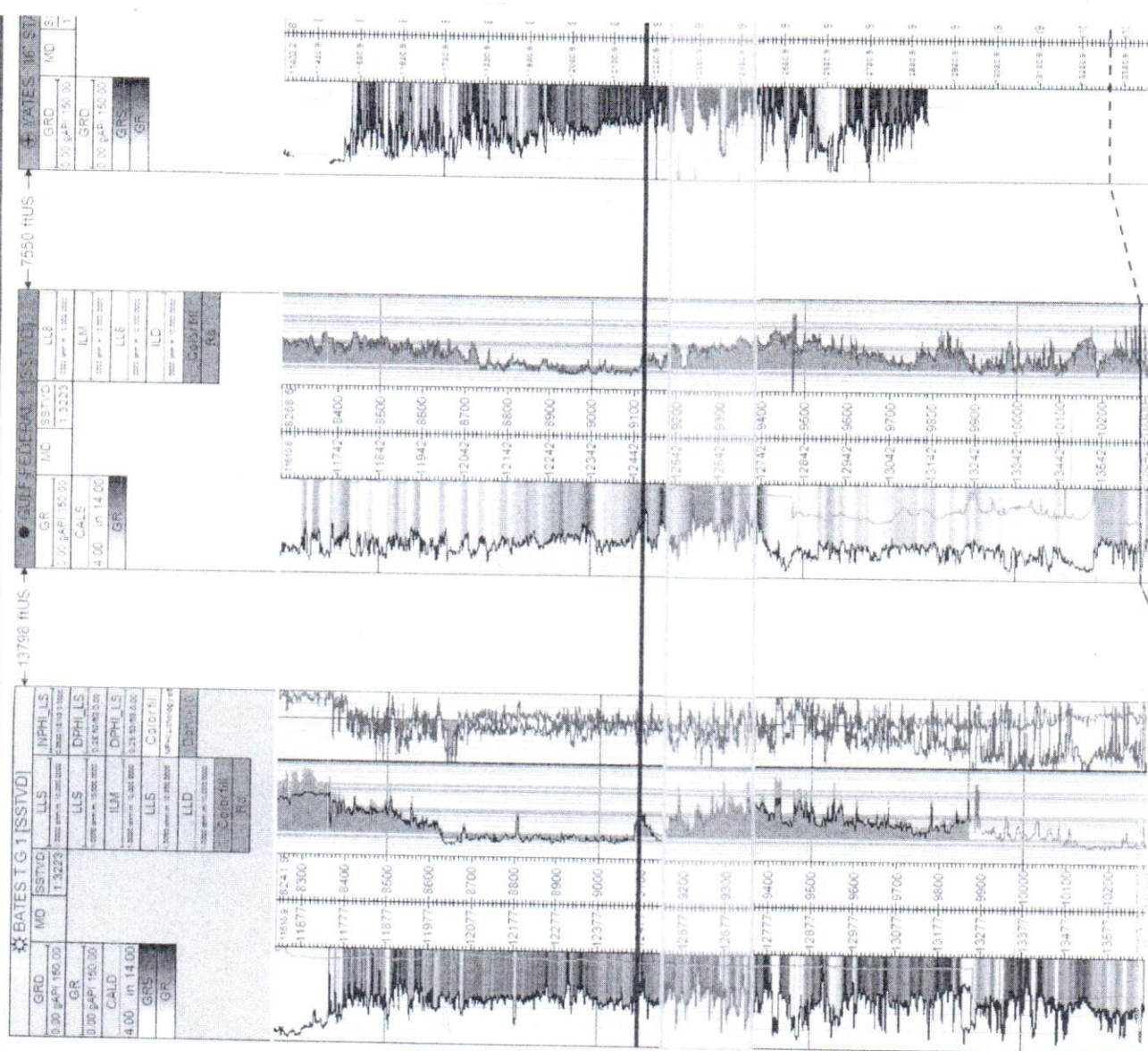


C.I. = 50'



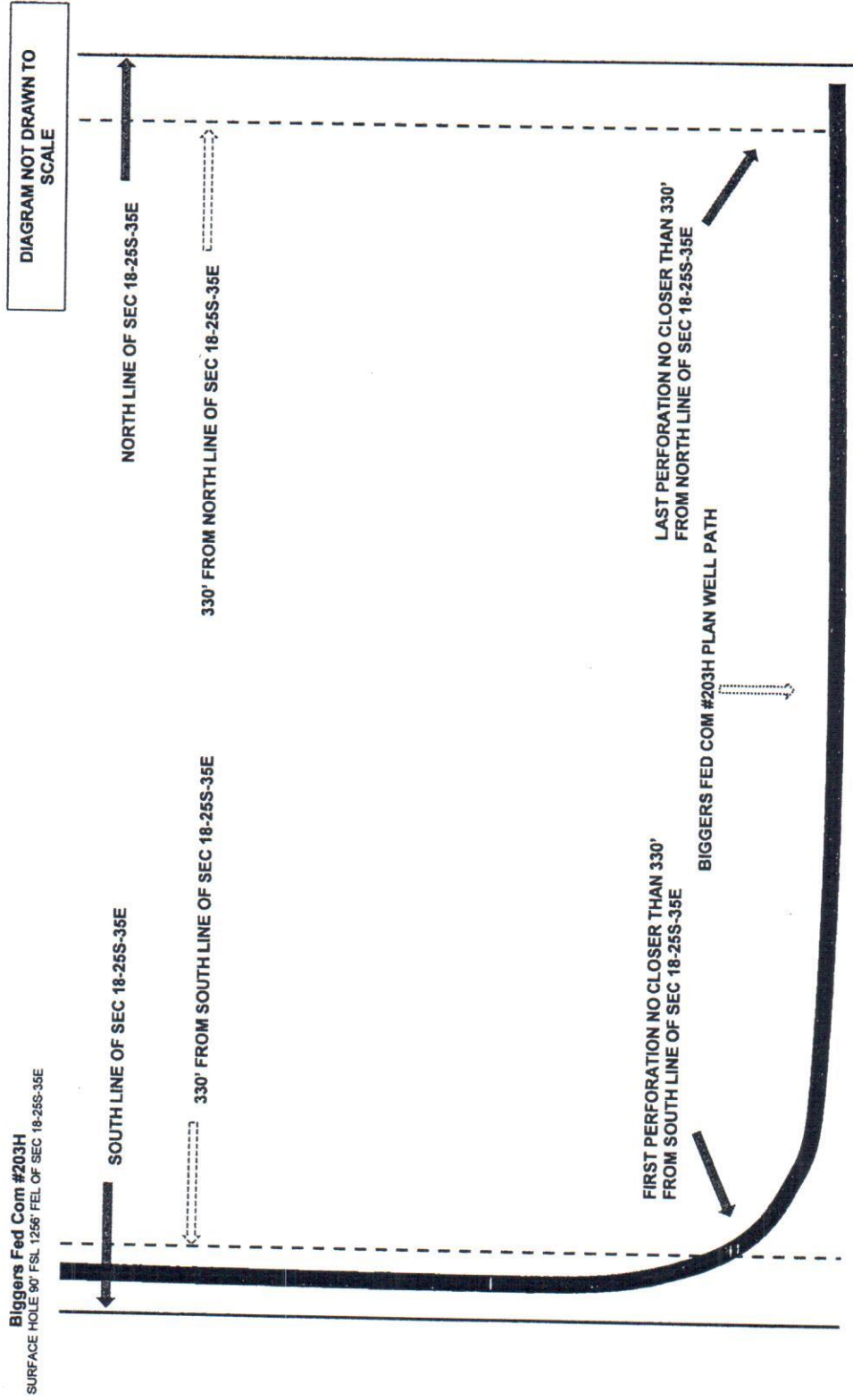
**Dogie Draw; Wolfcamp, (Pool Code 17980)**  
**Stratigraphic Cross Section (Top of Wolfcamp Sul**

A  
(East)  
West



# Dogie Draw; Wolfcamp, (Pool Code 17980) Biggers Fed Com #203H Completion

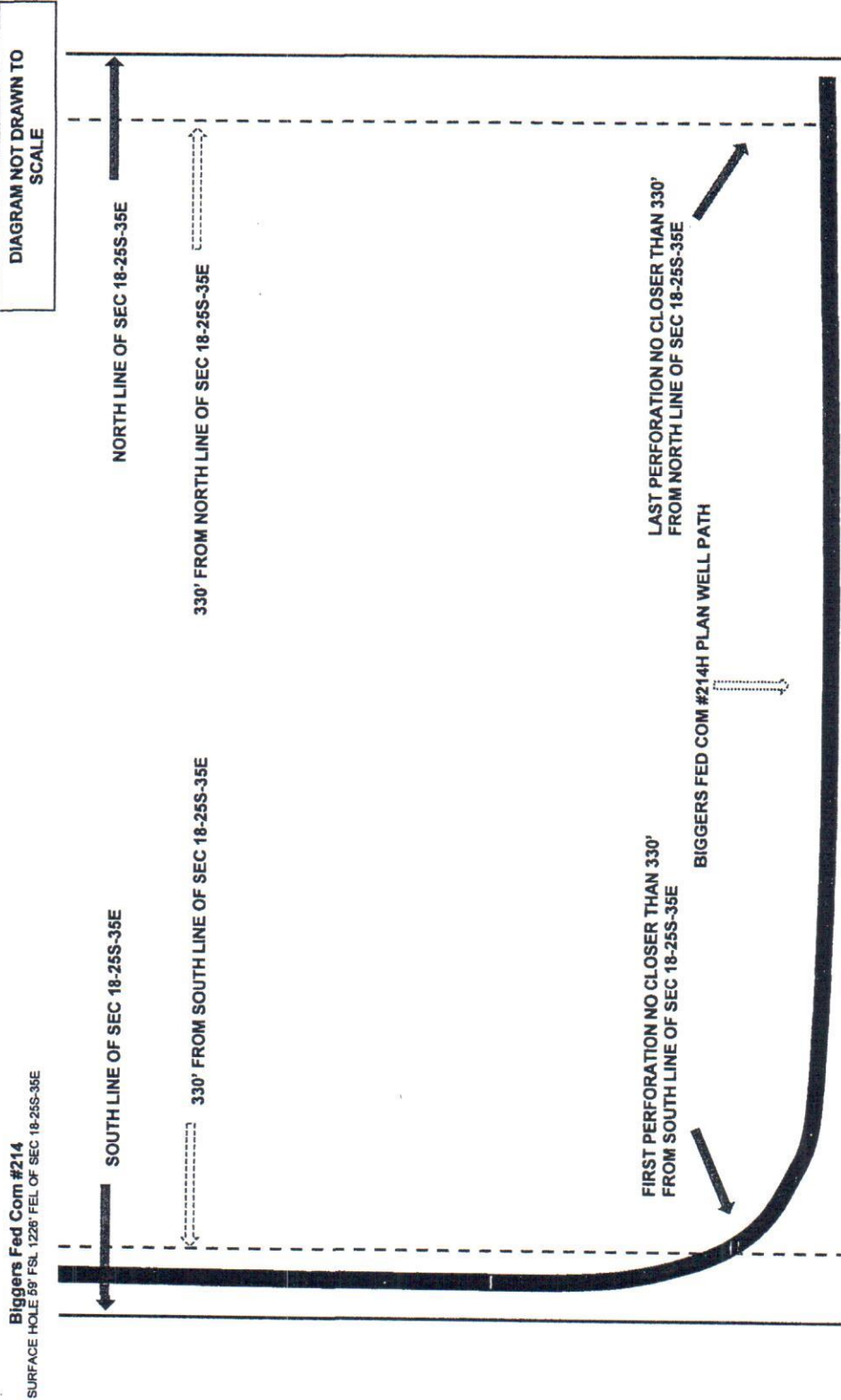
Matador  
Exhibit 10A



Biggers Fed Com #203H

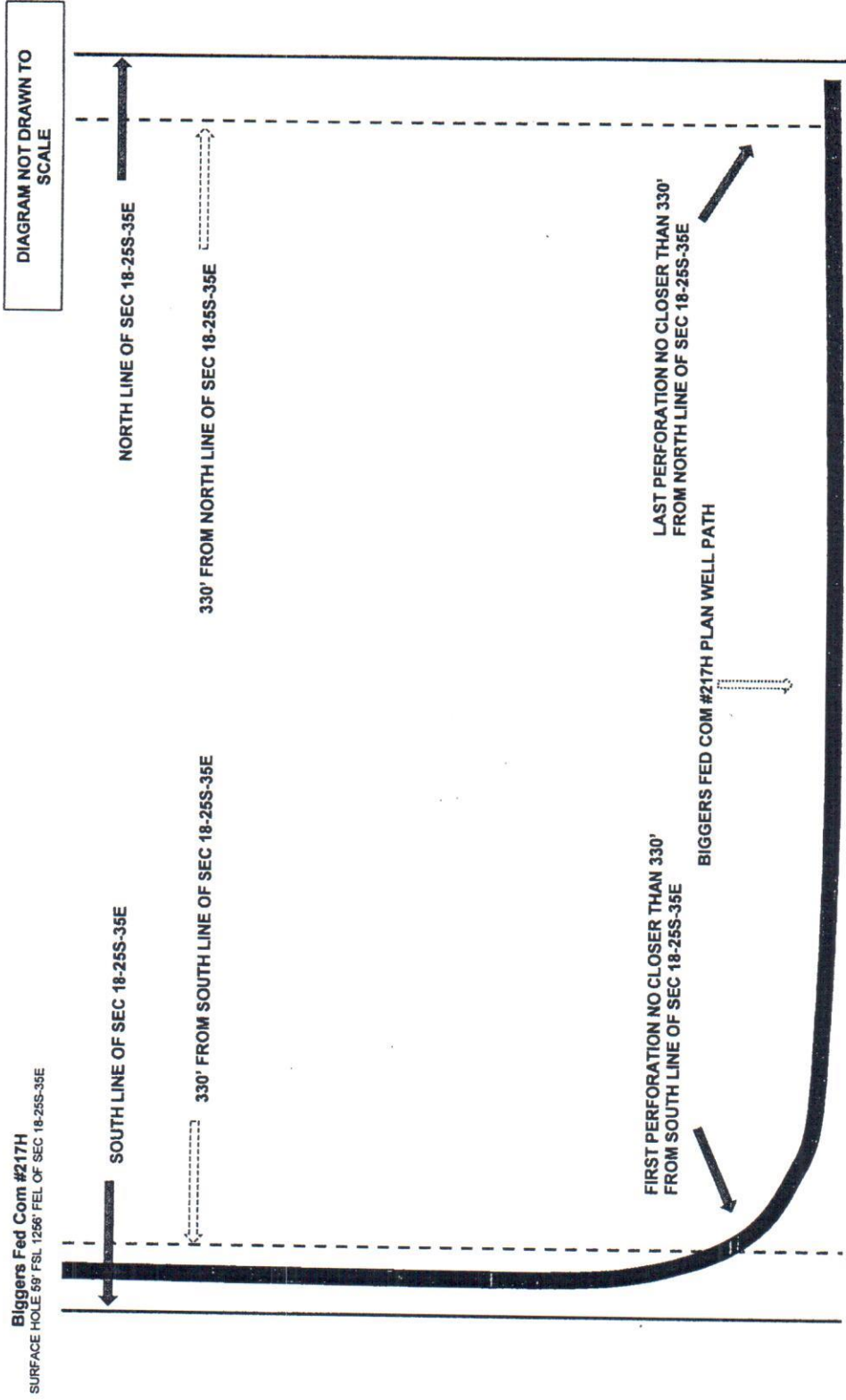
# Dogie Draw; Wolfcamp, (Pool Code 17980) Biggers Fed Com #214H Completion

Matador  
Exhibit 10B



Biggers Fed Com #214H

# Dogie Draw; Wolfcamp, (Pool Code 17980) Biggers Fed Com #217H Completion



**STATE OF NEW MEXICO  
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES  
OIL CONSERVATION DIVISION**

**APPLICATION OF MATADOR  
PRODUCTION COMPANY FOR  
COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO.**

**CASE NOS. 21069 and 21070**

**AFFIDAVIT OF CLARK COLLIER**

Clark Collier, of lawful age and being first duly sworn, declares as follows:

1. My name is Clark Collier. I work for MRC Energy Company, an affiliate of Matador Production Company ("Matador"), as a Staff Geologist.
2. I have previously testified before the New Mexico Oil Conservation Division as an expert witness in petroleum geology. My credentials as a petroleum geologist have been accepted by the Division and made a matter of record.
3. I am familiar with the applications filed by Matador in these cases, and I have conducted a geologic study of the lands in the subject area.
4. The purpose of Matador's applications is to change the pool under the original Orders of the Division in Case Nos. 16178 (Order R-14825), 16179 (Order R-14826) and 16180 (Order R-14827) from the original Dogie Draw; Wolfcamp Pool (Pool Code 1790) to the WC-025 G-09 S243532M; Wolfbone Pool (Pool Code 98098). The three initial wells under the above Orders—the Biggers Fed Com #203, #214, and #217—have each been drilled and completed.
5. I understand the WC-025 G-09 S243532M; Wolfbone Pool (Pool Code 98098) to be comprised of the depths from the top of the Third Bone Spring Carbonate down to a point 500 feet below the top of the Wolfcamp Formation. For purposes of this affidavit, I will refer to such depths as "the Wolfbone Pool."

6. **Matador Exhibit B-1** is a locator map. The horizontal spacing units for the proposed wells are identified by a yellow box with a red outline.

7. **Matador Exhibit B-2** is a structure map that I prepared for the top of the Third Bone Spring Carbonate formation, which I understand to be the top of the Wolfbone Pool. The contour interval is 50 feet. The structure map shows the project area just off center of a localized low point. The formation deepens from the western and northern edges of the map off of a local structural high and shallows up to the east towards the Central Basin Platform. The dip changes are subtle and consistent, which cause no issues for drilling and geosteering in this area.

8. **Matador Exhibit B-3** shows a line of cross section from A to A' on the same structure map reflected in **Exhibit B-2**.

9. **Matador Exhibit B-4** is a Stratigraphic cross-section I prepared using the top of the Third Bone Spring Carbonate formation as the datum. This cross-section displays open-hole logs run over the Wolfbone Pool from the three representative wells denoted from A to A'. For each well in the cross-section, the following logs are included: gamma ray, resistivity, and porosity, with the exception of the Gulf Federal 1, which does not include a Porosity log. In addition the Yates 16 State 1H does not include a deep resistivity, only an "LLS" (shallow resistivity) log is publically available. The limitation of log availability here does not impair our ability to pick the formation tops and evaluate our targeted interval. The interval in which the three wells were drilled and completed is denoted in gray shading. The logs in the cross-section demonstrate that the target interval, within the Wolfbone Pool, is consistent in thickness and character, across the entirety of each of the proposed spacing units.

10. **Matador Exhibit B-5** is an intersection view of the location of the Biggers Fed Com #214, as drilled, and showing the completed interval as it relates to the Wolfbone Pool. The

horizons shown were interpreted through MWD gamma correlation during drilling by Matador operational geologists.

11. **Matador Exhibit B-6** is an intersection view of the location of the Biggers Fed Com #217, as drilled, and showing the completed interval as it relates to the Wolfbone Pool. The horizons shown were interpreted through MWD gamma correlation during drilling by Matador operational geologists.

12. **Matador Exhibit B-7** is an intersection view of the location of the Biggers Fed Com #203, as drilled, and showing the completed interval as it relates to the Wolfbone Pool. The horizons shown were interpreted through MWD gamma correlation during drilling by Matador operational geologists.

13. Based on my geologic study of the area, I have not identified any geologic impediments to drilling horizontal wells in the area.

14. In my opinion, each quarter-quarter section will be productive and contribute more-or-less equally to production from each respective horizontal spacing unit.

15. In my opinion, horizontal drilling is the most efficient method to develop this acreage, to prevent the drilling of unnecessary wells, and to result in the greatest ultimate recovery. Approving Matador's applications will be in the best interest of conservation, the prevention of waste, and protection of correlative rights.

16. **Matador Exhibits B-1 through B-7** were either prepared by me or compiled under my direction and supervision.

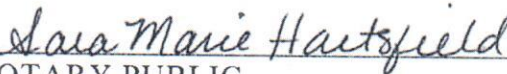
FURTHER AFFIANT SAYETH NOT.

  
CLARK COLLIER

STATE OF TEXAS                   )  
  )  
COUNTY OF Dallas            )

SUBSCRIBED and SWORN to before me this 26<sup>th</sup> day of May 2020 by Clark Collier.

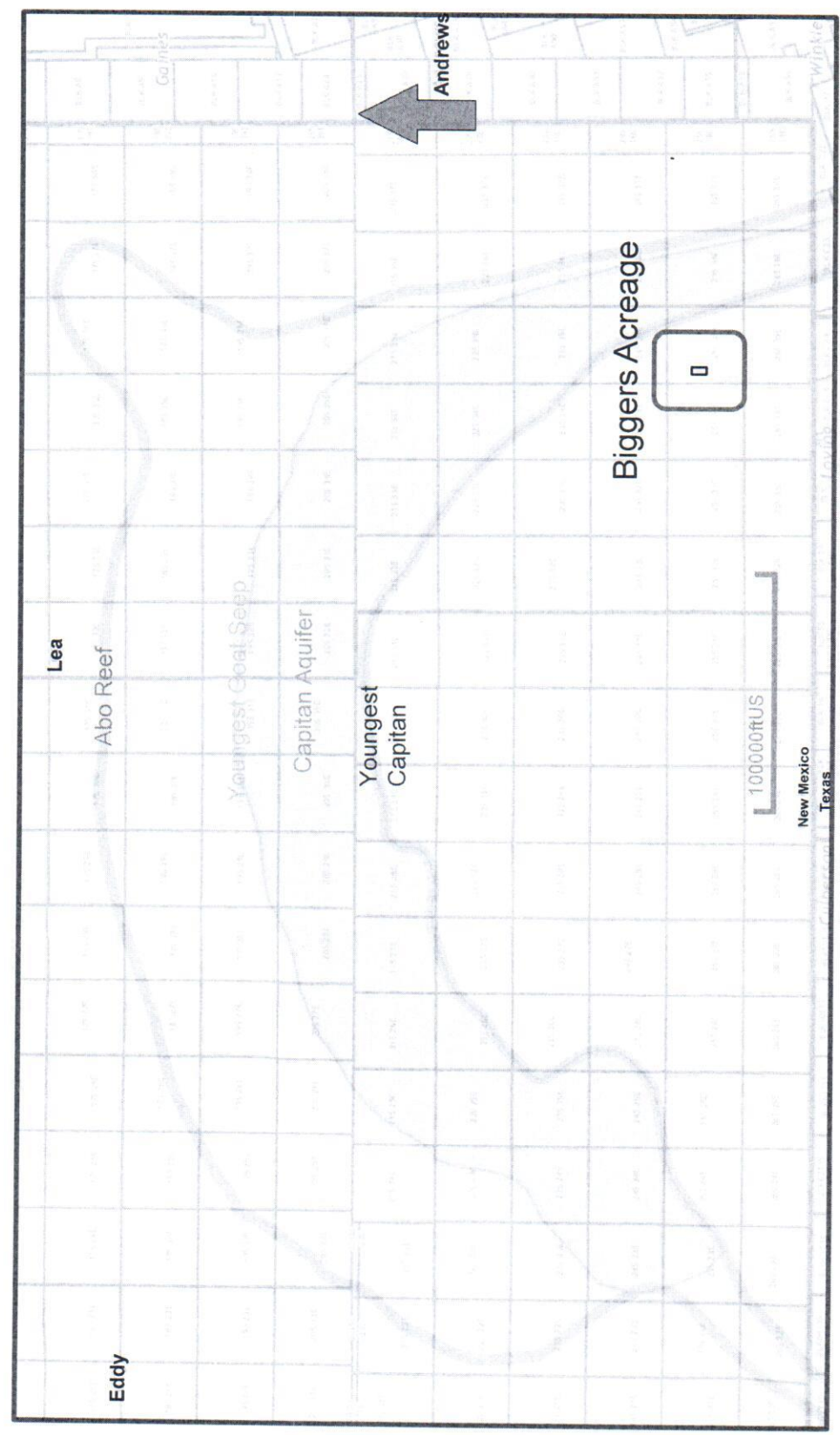


  
NOTARY PUBLIC

My Commission Expires:  
8-21-2023

4

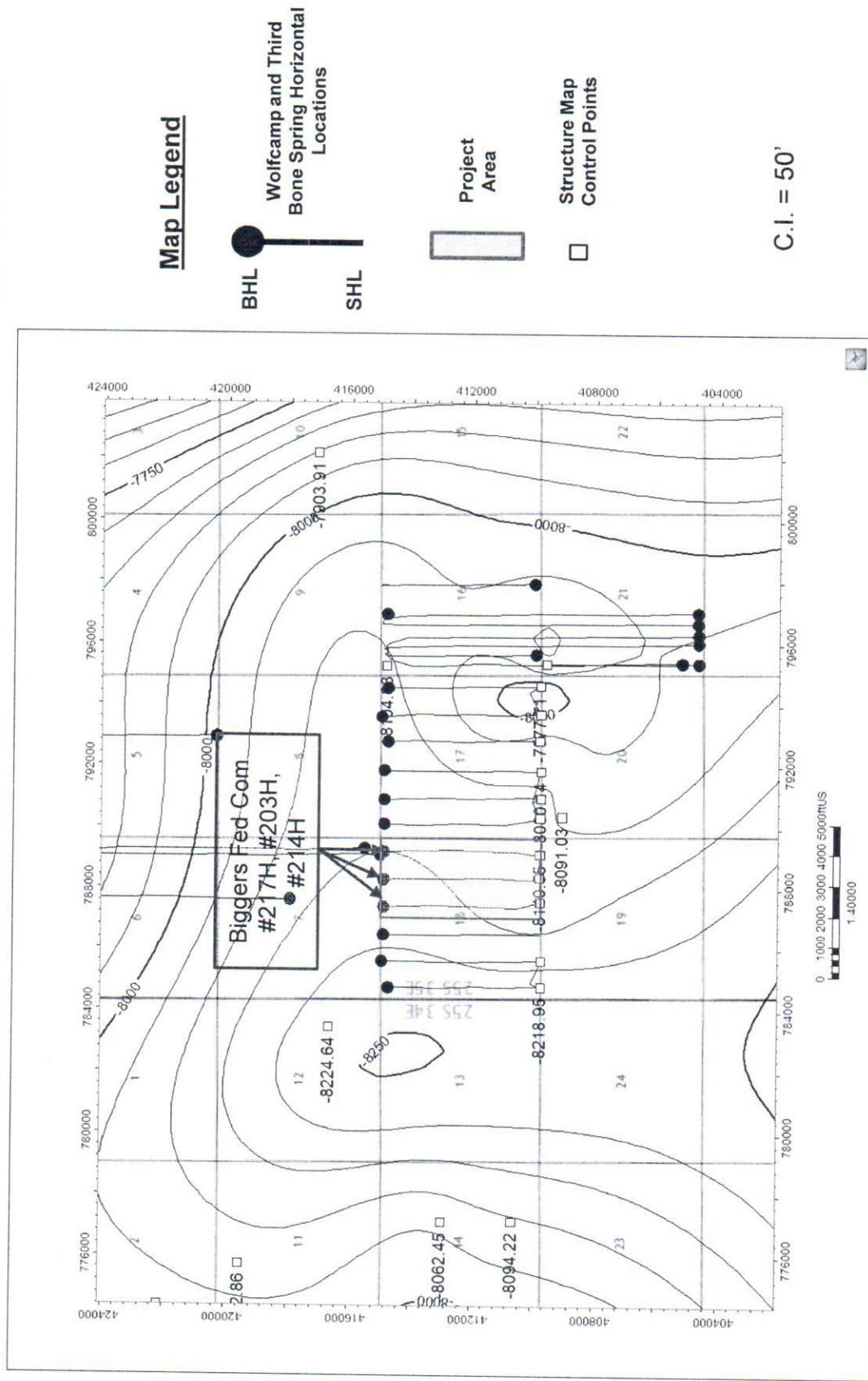
# WC-025 G-09 S243532M;WOLFBONE (Pool Code 98098) Locator Map



Biggers Fed Com #203H, #214H & #217H

**WC-025 G-09 S243532M;WOLFBONE (Pool Code 98098)  
Top Wolfbone (Third Bone Spring Carbonate) Structure Map**

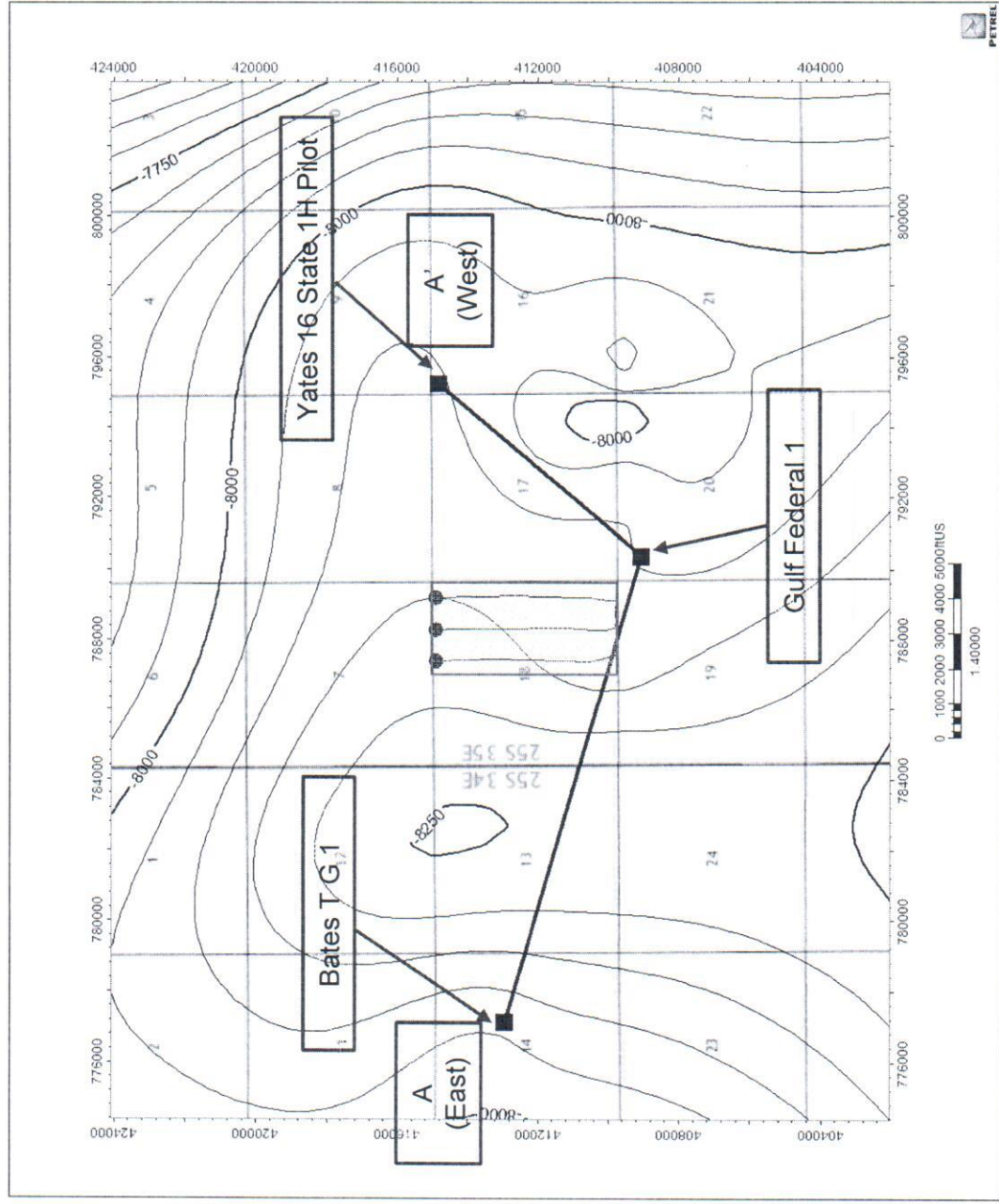
**Matador  
Exhibit B-2**



Biggers Fed Com #203H, #214H & #217H



# WC-025 G-09 S243532M;WOLFBONE (Pool Code 98098) Top Wolfbone Structure Map with Cross Section Line A to A'



## Map Legend

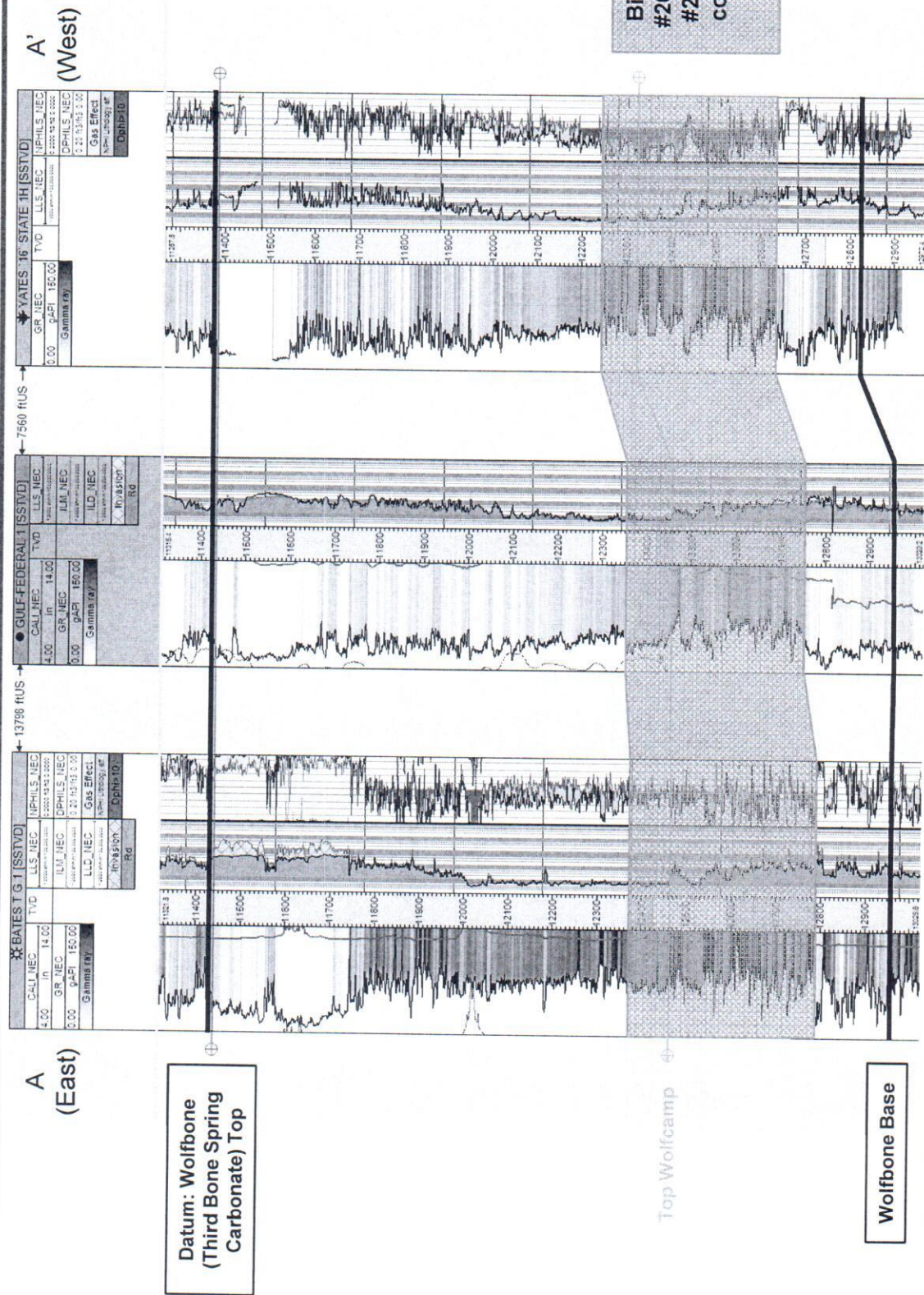
Project Area

C.I. = 50'



WC-025 G-09 S243532M;WOLFBONE (Pool Code 98098)

### Stratigraphic Cross Section (Top Third Bone Spring Carbonate Subsea)

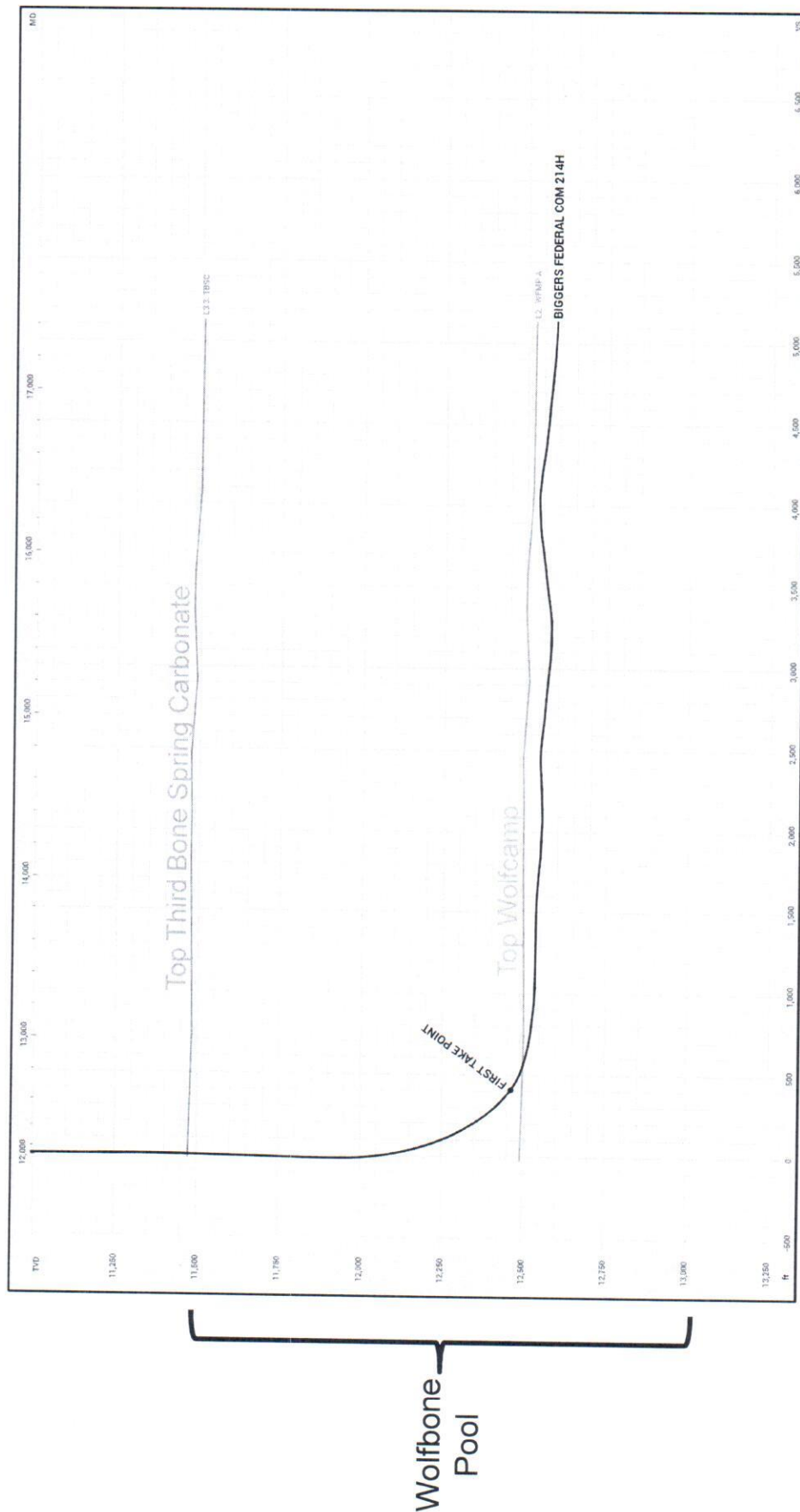


Biggers Fed Com  
#203H, #214H, and  
#217H drilled and  
completed within  
shaded area

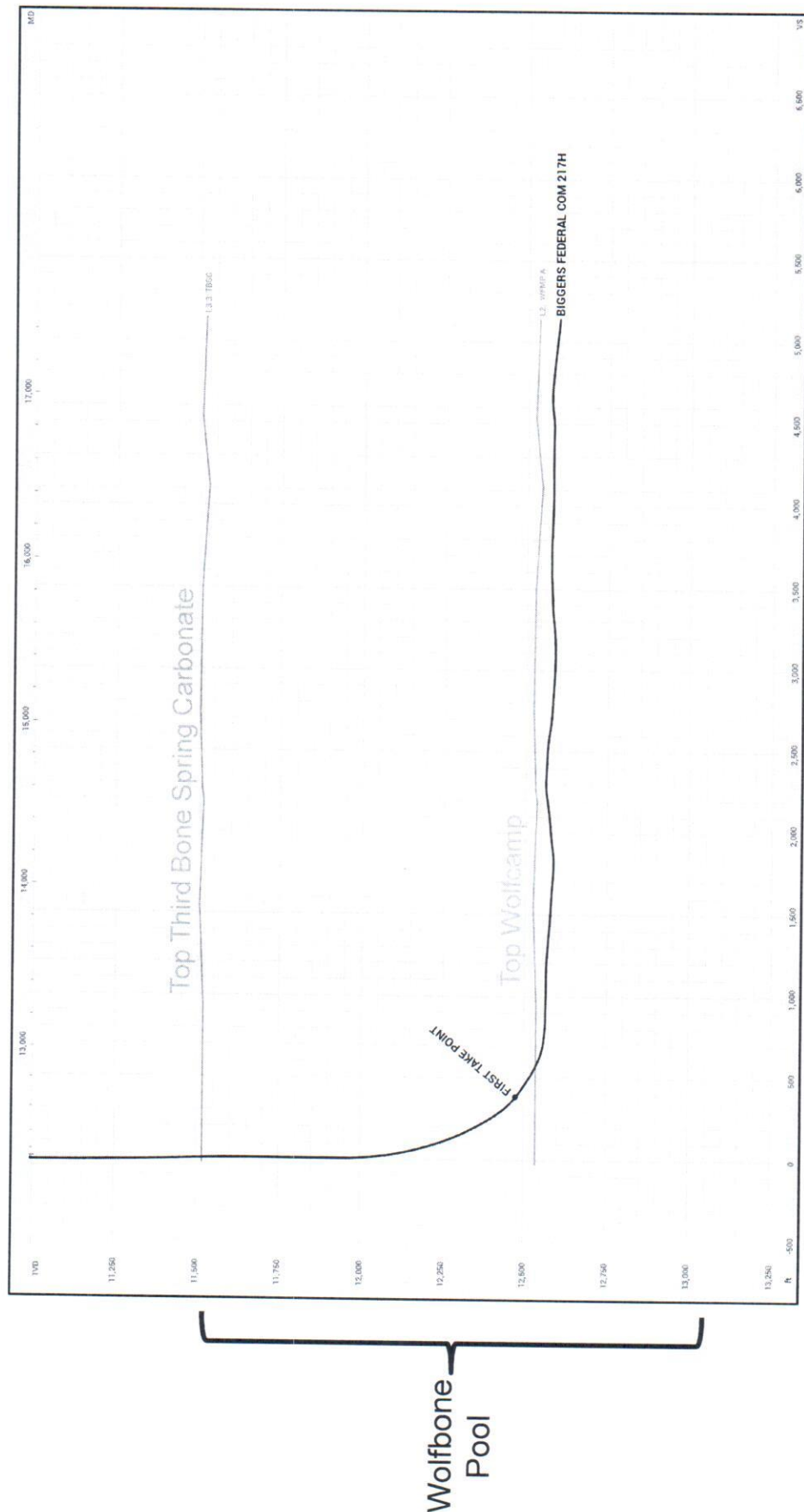


Biggers Fed Com #203H, #214H & #217H

# Biggers Fed Com #214H Wellbore Placement and First Take Point



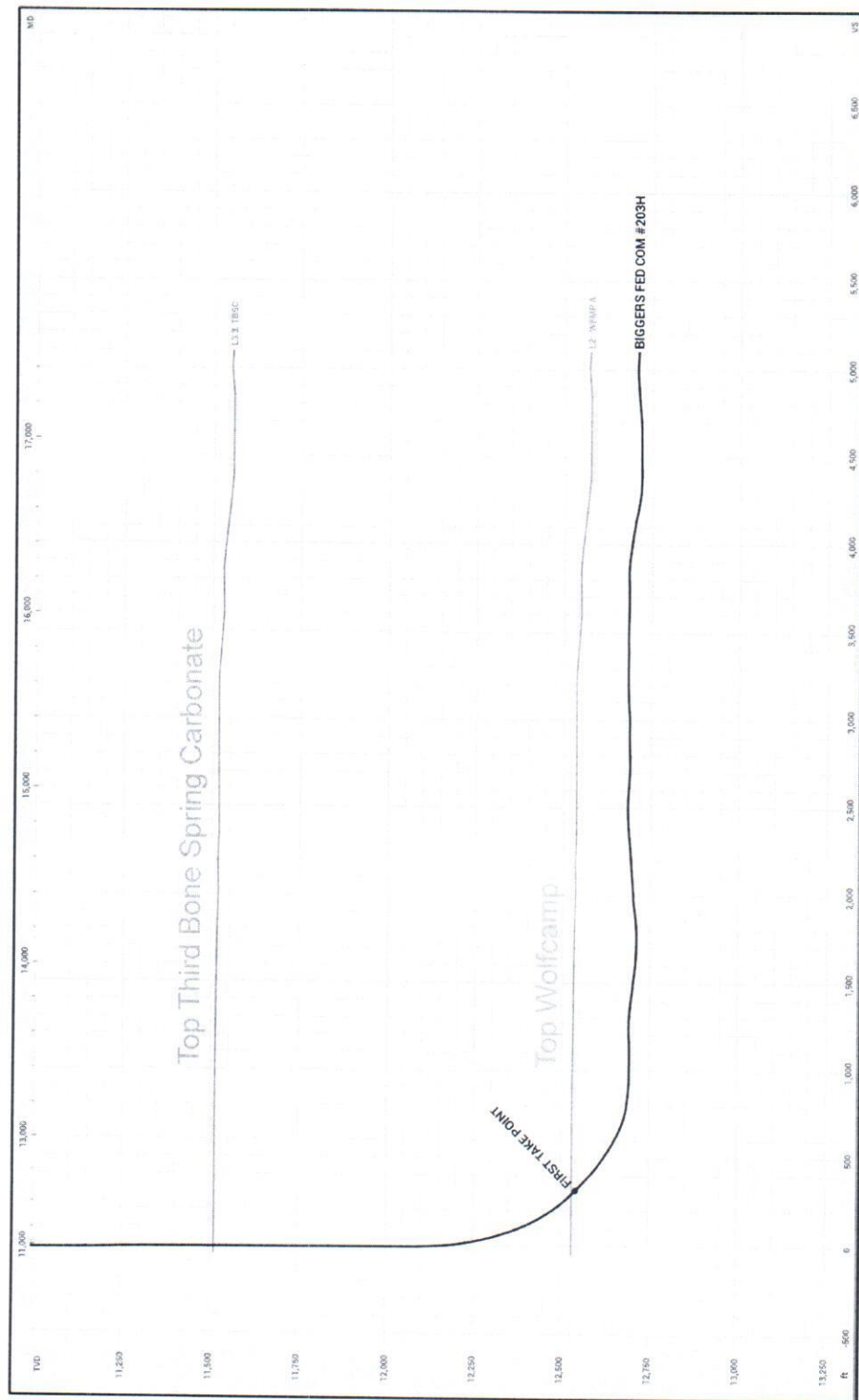
# Biggers Fed Com #217H Wellbore Placement and First Take Point



2x Vertical Exaggeration



# Biggers Fed Com #203H Wellbore Placement and First Take Point



2x Vertical Exaggeration



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

APPLICATIONS OF MATADOR PRODUCTION  
COMPANY FOR COMPULSORY POOLING, LEA  
COUNTY, NEW MEXICO.

Case Nos. 21069 & 21070

SELF-AFFIRMED STATEMENT OF NOTICE

COUNTY OF SANTA FE    )  
                                  ) ss.  
STATE OF NEW MEXICO    )

James Bruce deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Matador Production Company.
3. Matador Production Company has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the applications filed herein.
4. Notice of the applications was provided to the interest owners, at their last known addresses, by certified mail. Copies of the notice letters and certified return receipts are attached hereto as Attachment A.
5. Matador Production has complied with the notice provisions of Division Rules.
6. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 5 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date:

5/26/20

  
James Bruce

EXHIBIT

5

**JAMES BRUCE**  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213  
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)  
(505) 660-6612 (Cell)  
(505) 982-2151 (Fax)

[jamesbruc@aol.com](mailto:jamesbruc@aol.com)

January 30, 2020

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed are copies of the following applications filed with the New Mexico Oil Conservation Division by Matador Production Company:

1. Case No. 21069, for compulsory pooling of the Biggers Fed. Com. Well No. 214H, a Wolfbone well in the E/2E/2 of Section 18;
2. Case No. 21070, for compulsory pooling of the Biggers Fed. Com. Well Nos. 203H and 217H, Wolfbone wells in the W/2E/2 of Section 18,

all in Township 25 South, Range 35 East, NMPM, Lea County, New Mexico.

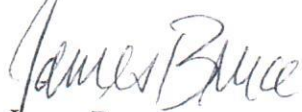
These matters are re-scheduled for hearing at 8:15 a.m. on Thursday, February 20, 2020, in Porter Hall at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by these applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date.

A party appearing in a Division case is required by Division Regulations to file a Pre-Hearing Statement no later than Thursday, February 13, 2013. This statement must be filed with the Division's Santa Fe office at the above address, and should include: The name of the party and its attorney; a concise statement of the case; the names of the witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

ATTACHMENT

A

Very truly yours,

A handwritten signature in cursive script that reads "James Bruce". The signature is written in dark ink and is positioned above the printed name.

James Bruce

Attorney for Matador Production Company

**EXHIBIT A**

Marathon Oil Permian, LLC  
5555 San Felipe Street  
Houston, TX 77056

West Texas A&M University  
2403 Russell Long Blvd  
College Station, TX 79015

TD Minerals, LLC  
8111 Westchester Drive  
Suite 900  
Dallas, TX 75225

Pegasus Resources, LLC  
P.O. Box 470698  
Fort Worth, TX 76147

The Ohio State University  
2003 Millikin Road  
Columbus, OH 42310

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Marathon Oil Permian, LLC  
5555 San Felipe Street  
Houston, TX 77056



9590 9402 4582 8278 6062 33

2. 7019 1640 0000 1700 9023

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature ☒ Agent ☐ Addressee
- B. Received by (Printed Name) T. Ocampo C. Date of Delivery 2/4/20
- D. Is delivery address different from item 1? ☐ Yes ☐ No  
If YES, enter delivery address below:

3. Service Type
- ☐ Adult Signature
  - ☐ Adult Signature Restricted Delivery
  - ☐ Certified Mail®
  - ☐ Certified Mail Restricted Delivery
  - ☐ Collect on Delivery
  - ☐ Every Restricted Delivery
  - ☐ Insured mail restricted delivery (over \$500)
  - ☐ Priority Mail Express®
  - ☐ Registered Mail™
  - ☐ Registered Mail Restricted Delivery
  - ☐ Return Receipt for Merchandise
  - ☐ Signature Confirmation™
  - ☐ Signature Confirmation Restricted Delivery

**U.S. Postal Service™  
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For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

Certified Mail Fee \$  
Extra Services & Fees (check box, add fee as appropriate)  
☐ Return Receipt (hardcopy) \$  
☐ Return Receipt (electronic) \$  
☐ Certified Mail Restricted Delivery \$  
☐ Adult Signature Required \$  
☐ Adult Signature Restricted Delivery \$  
Postage \$

Total Postage and Fees \$

Sent To Marathon Oil Permian, LLC  
5555 San Felipe Street  
Houston, TX 77056  
City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

The Ohio State University  
2003 Millikin Road  
Columbus, OH 42310



9590 9402 4582 8278 6168 05

2. Article Addressed to (Printed Name)

7019 1640 0000 1700 9023

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature ☒ Agent ☐ Addressee
- B. Received by (Printed Name) C. Ocampo C. Date of Delivery
- D. Is delivery address different from item 1? ☐ Yes ☐ No  
If YES, enter delivery address below:

3. Service Type
- ☐ Adult Signature
  - ☐ Adult Signature Restricted Delivery
  - ☐ Certified Mail®
  - ☐ Certified Mail Restricted Delivery
  - ☐ Collect on Delivery
  - ☐ Collect on Delivery Restricted Delivery
  - ☐ Insured Delivery
  - ☐ Priority Mail Express®
  - ☐ Registered Mail™
  - ☐ Registered Mail Restricted Delivery
  - ☐ Return Receipt for Merchandise
  - ☐ Signature Confirmation™
  - ☐ Signature Confirmation Restricted Delivery

(over \$500)

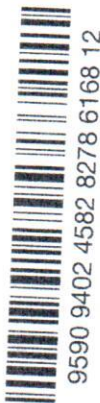
PS Form 3800, April 2015 PSN 7530-02-000-9047

## SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.  
 ■ Print your name and address on the reverse so that we can return the card to you.  
 ■ Attach this card to the back of the mailpiece, or on the front if space permits.

## 1. Article Addressed to:

Pegasus Resources, LLC  
 P.O. Box 470698  
 Fort Worth, TX 76147



7019 1640 0000 1700 9030

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

not bis

U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT  
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Extra Services & Fees (check box, add fee as appropriate)  
☐ Return Receipt (hardcopy) \$  
☐ Return Receipt (electronic) \$  
☐ Certified Mail Restricted Delivery \$  
☐ Adult Signature Required \$  
☐ Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

Sent To Pegasus Resources, LLC  
 P.O. Box 470698  
 Fort Worth, TX 76147

City, State, Zip+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

## COMPLETE THIS SECTION ON DELIVERY

- A. Signature ☒ Agent  
 B. Received by (Printed Name) ☐ Addressee  
 C. Date of Delivery  
 D. Is delivery address different from item 1? ☐ Yes  
 If YES, enter delivery address below: ☐ No

3. Service Type  
☐ Adult Signature  
☐ Adult Signature Restricted Delivery  
☐ Certified Mail®  
☐ Certified Mail Restricted Delivery  
☐ Collect on Delivery  
☐ Collect on Delivery Restricted Delivery  
☐ Restricted Mail  
☐ Priority Mail Express®  
☐ Registered Mail™  
☐ Registered Mail Restricted Delivery  
☐ Return Receipt for Merchandise  
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 ■ Print your name and address on the reverse so that we can return the card to you.  
 ■ Attach this card to the back of the mailpiece, or on the front if space permits.

## 1. Article Addressed to:

TD Minerals, LLC  
 8111 Westchester Drive  
 Suite 900  
 Dallas, TX 75225



7019 1640 0000 1700 9047

PS Form 3811, July 2015 PSN 7530-02-000-9053

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Extra Services & Fees (check box, add fee as appropriate)  
☐ Return Receipt (hardcopy) \$  
☐ Return Receipt (electronic) \$  
☐ Certified Mail Restricted Delivery \$  
☐ Adult Signature Required \$  
☐ Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

Sent To TD Minerals, LLC  
 8111 Westchester Drive  
 Suite 900  
 Dallas, TX 75225

City, State, Zip+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

## COMPLETE THIS SECTION ON DELIVERY

- A. Signature ☒ Agent  
 B. Received by (Printed Name) ☐ Addressee  
 C. Date of Delivery  
 D. Is delivery address different from item 1? ☐ Yes  
 If YES, enter delivery address below: ☐ No

3. Service Type  
☐ Adult Signature  
☐ Adult Signature Restricted Delivery  
☐ Certified Mail®  
☐ Certified Mail Restricted Delivery  
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☐ Insured Mail  
☐ Priority Mail Express®  
☐ Registered Mail™  
☐ Registered Mail Restricted Delivery  
☐ Return Receipt for Merchandise  
☐ Signature Confirmation™  
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**OFFICIAL USE**

Certified Mail Fee \$  
Extra Services & Fees (check box, add fee as appropriate)  
☐ Return Receipt (hardcopy) \$  
☐ Return Receipt (electronic) \$  
☐ Certified Mail Restricted Delivery \$  
☐ Adult Signature Required \$  
☐ Adult Signature Restricted Delivery \$  
Postage \$  
Total Postage and Fees \$  
Sent To  
West Texas A&M University  
2403 Russell Long Blvd  
College Station, TX 79015  
Street and Apt. No., or P.O. #  
City, State, ZIP+4®  
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

Postmark  
Here

**SENDER: COMPLETE THIS SECTION**

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

West Texas A&M University  
2403 Russell Long Blvd  
College Station, TX 79015

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature ☒ Agent ☐ Addressee
- B. Received by (Printed Name) C. Date of Delivery
- D. Is delivery address different from item 1? ☐ Yes  
If YES, enter delivery address below: ☐ No



9590 9402 4582 8278 6062 26

2. Article Number 7019 1640 0000 1700

3. Service Type  
☐ Adult Signature  
☐ Adult Signature Restricted Delivery  
☒ Certified Mail®  
☐ Certified Mail Restricted Delivery  
☐ Return Receipt for Merchandise  
☐ Priority Mail Express®  
☐ Registered Mail™  
☐ Registered Mail Restricted Delivery  
☐ Return Receipt for Merchandise  
☐ Signature Confirmation™  
☐ Signature Confirmation Restricted Delivery  
☐ Insured Mail Restricted Delivery (over \$500)

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

JAMES BRUCE  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213  
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)  
(505) 660-6612 (Cell)  
(505) 982-2151 (Fax)

[jamesbruc@aol.com](mailto:jamesbruc@aol.com)

January 30, 2020

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed are copies of the following applications filed with the New Mexico Oil Conservation Division by Matador Production Company:

1. Case No. 21069, for compulsory pooling of the Biggers Fed. Com. Well No. 214H, a Wolfbone well in the E/2E/2 of Section 18;
2. Case No. 21070, for compulsory pooling of the Biggers Fed. Com. Well Nos. 203H and 217H, Wolfbone wells in the W/2E/2 of Section 18,

all in Township 25 South, Range 35 East, NMPM, Lea County, New Mexico.

These matters are re-scheduled for hearing at 8:15 a.m. on Thursday, ~~February 20~~, 2020, in Porter Hall at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by these applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date. *March 19* 4B

A party appearing in a Division case is required by Division Regulations to file a Pre-Hearing Statement no later than Thursday, ~~February 13~~, 2013. This statement must be filed with the Division's Santa Fe office at the above address, and should include: The name of the party and its attorney; a concise statement of the case; the names of the witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned. *March 12* 9B

Very truly yours,

A handwritten signature in cursive script that reads "James Bruce". The signature is written in dark ink and is positioned above the printed name.

James Bruce

Attorney for Matador Production Company

West Texas A&M University  
2501 4th Avenue  
Canyon, TX 79016

EXHIBIT *A*

7019 1640 0000 1700 9405

# U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

CANYON, TX 79016

Certified Mail Fee \$3.55

Extra Services & Fees (check box, add fee as appropriate)  
☐ Return Receipt (hardcopy) \$0.00  
☐ Return Receipt (electronic) \$0.00  
☐ Certified Mail Restricted Delivery \$0.00  
☐ Adult Signature Required \$0.00  
☐ Adult Signature Restricted Delivery \$0.00

Postage \$0.70

Total Postage and Fees \$

Sent To

West Texas A&M University  
2501 4th Avenue  
Canyon, TX 79016

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

0500  
19  
FEB 21 2020  
Postmark  
Here

02/21/2020

## SENDER: COMPLETE THIS SECTION

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

West Texas A&M University  
2501 4th Avenue  
Canyon, TX 79016



9590 9402 4582 8278 6086 02

2. Article Number (Transfer from label)

7019 1640 0000 1700 9405

PS Form 3811, July 2015 PSN 7530-02-000-9053

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]*

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Laxton

C. Date of Delivery

2-24-20

D. Is delivery address different from item 1? ☐ Yes  
If YES, enter delivery address below: ☐ No

3. Service Type

☐ Adult Signature  
☐ Adult Signature Restricted Delivery  
☒ Certified Mail®  
☐ Certified Mail Restricted Delivery  
☐ Collect on Delivery

☐ Priority Mail Express®  
☐ Registered Mail™  
☐ Registered Mail Restricted Delivery  
☐ Return Receipt for Merchandise  
☐ Signature Confirmation™  
☐ Signature Confirmation Restricted Delivery

☐ Certified Mail Restricted Delivery (over \$500)

Mat - BLS

Domestic Return Receipt

# Carlsbad Current Argus.

PART OF THE USA TODAY NETWORK

## Affidavit of Publication

Ad # 0004033847

This is not an invoice

**JAMES BRUCE ATTORNEY AT LAW**  
POBOX 1056

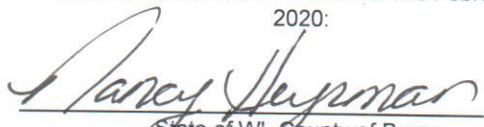
**SANTA FE, NM 87504**

I, a legal clerk of the **Carlsbad Current Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

**February 1, 2020**

  
\_\_\_\_\_  
Legal Clerk

Subscribed and sworn before me this February 1,  
2020:

  
\_\_\_\_\_  
State of WI, County of Brown  
NOTARY PUBLIC  
5.15.23  
\_\_\_\_\_  
My commission expires

## NOTICE

To: Marathon Oil Permian LLC and Pegasus Resources, LLC or your successors or assigns: Matador Production Company has filed two applications with the New Mexico Oil Conservation Division seeking orders approving non-standard spacing and proration units and the compulsory pooling of all mineral interests in the Wolfbone formation for the following wells: (i) the Biggers Fed. Com. Well No. 214H in the E/2E/2 of Section 18 (Case No. 21069); and (ii) the Biggers Fed. Com. Well Nos. 203H and 217H in the W/2E/2 of Section 18 (Case No. 21070), all in Township 25 South, Range 35 East, NMPM, Lea County, New Mexico. Also to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells and a 200% charge for the risk involved in drilling and completing the wells. The applications are scheduled to be heard at 8:15 a.m. on Thursday, February 20, 2020 at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. As an interest owner offsetting the well units, you have the right to enter an appearance and participate in the cases. Failure to appear will preclude you from contesting these matters at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504. The units are located approximately 12 miles west-northwest of Jal, New Mexico.

February 1, 2020

EXHIBIT 6

Ad # 0004033847  
PO #: Marathon Oil Permian LLC  
# of Affidavits 1

This is not an invoice

NANCY HEYRMAN  
Notary Public  
State of Wisconsin

# Affidavit of Publication

STATE OF NEW MEXICO  
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated  
January 24, 2020  
and ending with the issue dated  
January 24, 2020.

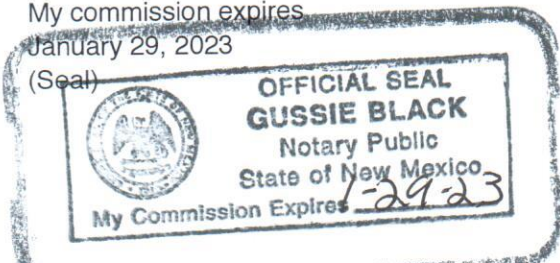
  
Publisher

Sworn and subscribed to before me this  
24th day of January 2020.

  
Business Manager

My commission expires  
January 29, 2023

(Seal)



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL

LEGAL

## LEGAL NOTICE JANUARY 24, 2020

To: COG Operating LLC, GCM Exploration Inc., TD Minerals LLC, David Lloyd Cook, John C. Sparling, The Ohio State University, and West Texas A&M University, or your heirs, devisees, successors, or assigns: Matador Production Company has filed two applications with the New Mexico Oil Conservation Division seeking orders approving non-standard spacing and proration units and the compulsory pooling of all mineral interests in the Wolfbone formation for the following wells: (i) the Biggers Fed. Com. Well No. 214H in the E/2E/2 of Section 18 (Case No. 21069); and (ii) the Biggers Fed. Com. Well Nos. 203H and 217H in the W/2E/2 of Section 18 (Case No. 21070), all in Township 25 South, Range 35 East, NMPM, Lea County, New Mexico. Also to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells and a 200% charge for the risk involved in drilling and completing the wells. The applications are scheduled to be heard at 8:15 a.m. on Thursday, February 6, 2020 at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. As an interest owner offsetting the well units, you have the right to enter an appearance and participate in the cases. Failure to appear will preclude you from contesting these matters at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504. The units are located approximately 12 miles west-northwest of Jal, New Mexico.  
#35114

01101711

00238663

JAMES BRUCE  
JAMES BRUCE, ATTORNEY AT LAW  
P.O. BOX 1056  
SANTA FE, NM 87504

# COMPULSORY POOLING APPLICATION CHECKLIST

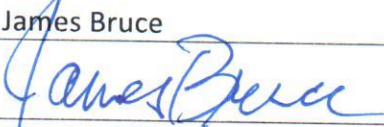
ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case:	21069
Date	May 28, 2020
Applicant	Matador Production Company
Designated Operator & OGRID (affiliation if applicable)	Matador Production Company/OGRID No. 228937
Applicant's Counsel:	James Bruce
Case Title:	Application of Matador Production Company for Compulsory Pooling, Eddy County, New Mexico
Entries of Appearance/Intervenors:	
Well Family	Biggers Fed. Com. Well No. 214H
<b>Formation/Pool</b>	
Formation Name(s) or Vertical Extent:	Wolfbone Formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Wolfbone Formation
Pool Name and Pool Code:	WC-025 G-09 S243532M; Wolfbone/Pool Code 98098
Well Location Setback Rules:	Statewide rules and current horizontal well rules
Spacing Unit Size:	Quarter-quarter sections/40 acres
<b>Spacing Unit</b>	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	160 acres
Building Blocks:	40 acres
Orientation:	South-North
Description: TRS/County	E/2E/2 §18-25S-35E, NMPM, Lea County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
<b>Other Situations</b>	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	
Applicant's Ownership in Each Tract	Exhibit 2-A
<b>Well(s)</b>	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non- standard)	Biggers Fed. Com. Well No. 214H API No. 30-025-44483 59 FSL & 1226 FEL §18 BHL: 88 FNL & 448 FEL §18 FTP: 470 FSL & 541 FEL §18 LTP: 225 FNL & 443 FEL §18 Wolfbone/TVD 12718 feet/MD 17478 feet Completion standard

EXHIBIT

7A

Horizontal Well First and Last Take Points	See above
Completion Target (Formation, TVD and MD)	See above
<b>AFE Capex and Operating Costs</b>	
Drilling Supervision/Month \$	\$7000
Production Supervision/Month \$	\$700
Justification for Supervision Costs	Exhibit 2-A
Requested Risk Charge	Cost + 200%/Exhibit 2-A
<b>Notice of Hearing</b>	
Proposed Notice of Hearing	Exhibit 1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit 5
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit 6
<b>Ownership Determination</b>	
Land Ownership Schematic of the Spacing Unit	Exhibit 2-A
Tract List (including lease numbers and owners)	Exhibit 2-A
Pooled Parties (including ownership type)	Exhibit 2-A
Unlocatable Parties to be Pooled	Not applicable
Ownership Depth Severance (including percentage above & below)	None
<b>Joinder</b>	
Sample Copy of Proposal Letter	Exhibit 2-A
List of Interest Owners (i.e. Exhibit A of JOA)	Exhibit 2-A
Chronology of Contact with Non-Joined Working Interests	Exhibit 2-A
Overhead Rates In Proposal Letter	<b>\$7000/\$700</b>
Cost Estimate to Drill and Complete	Exhibit 2-A
Cost Estimate to Equip Well	Exhibit 2-A
Cost Estimate for Production Facilities	Exhibit 2-A
<b>Geology</b>	
Summary (including special considerations)	Exhibits 3 and 4
Spacing Unit Schematic	Exhibits 3 and 4
Gunbarrel/Lateral Trajectory Schematic	Exhibits 3 and 4
Well Orientation (with rationale)	Standup/Exhibit 3
Target Formation	Wolfbone
HSU Cross Section	Exhibits 3 and 4
Depth Severance Discussion	Not Applicable
<b>Forms, Figures and Tables</b>	
C-102	Exhibit 2-A
Tracts	Exhibit 2-A
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 2-A

General Location Map (including basin)	Exhibit 4
Well Bore Location Map	Exhibit 4
Structure Contour Map - Subsea Depth	Exhibit 4
Cross Section Location Map (including wells)	Exhibit 4
Cross Section (including Landing Zone)	Exhibit 4
<b>Additional Information</b>	
<b>CERTIFICATION:</b> I hereby certify that the information provided in this checklist is complete and accurate.	
<b>Printed Name</b> (Attorney or Party Representative):	James Bruce
<b>Signed Name</b> (Attorney or Party Representative):	
<b>Date:</b>	May 26, 2020

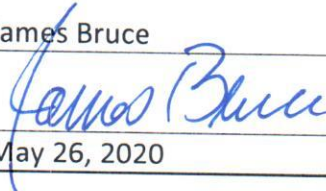
# COMPULSORY POOLING APPLICATION CHECKLIST

ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS

Case:	21070
Date	May 28, 2020
Applicant	Matador Production Company
Designated Operator & OGRID (affiliation if applicable)	Matador Production Company/OGRID No. 228937
Applicant's Counsel:	James Bruce
Case Title:	Application of Matador Production Company for Compulsory Pooling, Eddy County, New Mexico
Entries of Appearance/Intervenors:	
Well Family	Biggers Fed. Com. Well Nos. 203H and 217H
Formation/Pool	
Formation Name(s) or Vertical Extent:	Wolfbone Formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Wolfbone Formation
Pool Name and Pool Code:	WC-025 G-09 S243532M; Wolfbone/Pool Code 98098
Well Location Setback Rules:	Statewide rules and current horizontal well rules
Spacing Unit Size:	Quarter-quarter sections/40 acres
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	160 acres
Building Blocks:	40 acres
Orientation:	South-North
Description: TRS/County	W/2E/2 §18-25S-35E, NMPM, Lea County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	
Applicant's Ownership in Each Tract	Exhibit 2-A
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non- standard)	Biggers Fed. Com. Well No. 203H API No. 30-025-44645 90 FSL & 1256 FEL §18 BHL: 240 FNL & 1350 FEL §18 FTP: 330 FSL & 1346 FEL §18 LTP: 330 FNL & 1349 FEL §18 Wolfbone/TVD 12588 feet/MD 17307 feet Completion non-standard (approved by Order R-14825)

EXHIBIT 7B

	Biggers Fed. Com: Well No. 217H API No. 30-025-44646 59 FSL & 1256 FEL §18 BHL: 85 FNL & 2240 FEL §18 FTP: 442 FSL & 2203 FEL §18 LTP: 398 FNL & 2242 FEL §18 Wolfbone/TVD 12718 feet/MD 17492 feet Completion standard
Horizontal Well First and Last Take Points	See above
Completion Target (Formation, TVD and MD)	See above
<b>AFE Capex and Operating Costs</b>	
Drilling Supervision/Month \$	\$7000
Production Supervision/Month \$	\$700
Justification for Supervision Costs	Exhibit 2-A
Requested Risk Charge	Cost + 200%/Exhibit 2-A
<b>Notice of Hearing</b>	
Proposed Notice of Hearing	Exhibit 1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit 5
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit 6
<b>Ownership Determination</b>	
Land Ownership Schematic of the Spacing Unit	Exhibit 2-A
Tract List (including lease numbers and owners)	Exhibit 2-A
Pooled Parties (including ownership type)	Exhibit 2-A
Unlocatable Parties to be Pooled	Not applicable
Ownership Depth Severance (including percentage above & below)	None
<b>Joinder</b>	
Sample Copy of Proposal Letter	Exhibit 2-A
List of Interest Owners (i.e. Exhibit A of JOA)	Exhibit 2-A
Chronology of Contact with Non-Joined Working Interests	Exhibit 2-A
Overhead Rates In Proposal Letter	<b>\$7000/\$700</b>
Cost Estimate to Drill and Complete	Exhibit 2-A
Cost Estimate to Equip Well	Exhibit 2-A
Cost Estimate for Production Facilities	Exhibit 2-A
<b>Geology</b>	
Summary (including special considerations)	Exhibits 3 and 4
Spacing Unit Schematic	Exhibits 3 and 4
Gunbarrel/Lateral Trajectory Schematic	Exhibits 3 and 4

Well Orientation (with rationale)	Standup/Exhibit 3
Target Formation	Wolfbone
HSU Cross Section	Exhibits 3 and 4
Depth Severance Discussion	Not Applicable
<b>Forms, Figures and Tables</b>	
C-102	Exhibit 2-A
Tracts	Exhibit 2-A
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 2-A
General Location Map (including basin)	Exhibit 4
Well Bore Location Map	Exhibit 4
Structure Contour Map - Subsea Depth	Exhibit 4
Cross Section Location Map (including wells)	Exhibit 4
Cross Section (including Landing Zone)	Exhibit 4
<b>Additional Information</b>	
<b>CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.</b>	
<b>Printed Name</b> (Attorney or Party Representative):	James Bruce
<b>Signed Name</b> (Attorney or Party Representative):	
<b>Date:</b>	May 26, 2020