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

APPLICATION OF TOM M. RAGSDALE TO REVOKE ORDER NOS. R-20924 & R-20924-A OR, IN THE ALTERNATIVE, TO DECLARE UNREASONABLE CERTAIN COSTS IMPOSED BY MEWBOURNE OIL COMPANY

Case No. 21324

AMENDED PRE-HEARING STATEMENT

Applicant TOM M. RAGSDALE provides this Amended Pre-Hearing Statement in

accordance with the the rules of the Division.

APPEARANCES

APPLICANT

TOM M. RAGSDALE

APPLICANT'S ATTORNEY:

Sharon T. Shaheen, Esq. John F. McIntyre, Esq. **MONTGOMERY & ANDREWS, P.A.** P.O. Box 2307 Santa Fe, New Mexico 87504-2307 Telephone: (505) 986-2678 Email: <u>sshaheen@montand.com</u> <u>jmcintyre@montand.com</u>

OTHER PARTY

MEWBOURNE OIL COMPANY

OPPOSING PARTY'S ATTORNEY:

James Bruce, Esq. PO Box 1056 Santa Fe, NM 87504-1056 Email: jamesbruc@aol.com

STATEMENT OF THE CASE

Applicant in the above-styled cause seeks an order from the Division revoking Order Nos.

R-20924 and R-20924-A or, in the alternative, declaring certain costs unreasonable as imposed by

Mewbourne Oil Co. ("Mewbourne"). In Case No. 20580, Mewbourne filed an application seeking

to pool the Bone Spring formation underlying the E2/E2 of Sections 10 and 15, Township 23 South, Range 34 East, NMPM, in Lea County, New Mexico, for the purpose of drilling the Ibex 10/15 B1AP Fed. Com. Well No. 2H, API# 30-025-46188 ("10/15 2H"), and the Ibex 10/15 B3AP Fed. Com. Well No. 1H, API# 30-025-46189. In Case No. 20809, Mewbourne filed an application seeking to pool the Bone Spring formation underlying the E2/E2 of Sections 10 and 15, Township 23 South, Range 34 East, NMPM, in Lea County, New Mexico, for the purpose of drilling the Ibex 15/10 B1PA Fed. Com. Well No. 2H, API# 30-025-47060 ("15/10 2H"), and the Ibex 15/10 B3PA Fed. Com. Well No. 1H, API# 30-025-46948. Order No. R-20924 was entered in Case No. 20580 and Order No. R-20924-A was entered in Case No. 20809.

As detailed in the Application, Mewbourne has improperly attempted to impose failed drilling costs in the amount of \$3,102,500, relating to Mewbourne's efforts to drill the 10/15 2H and substitute well Ibex 10/15 B1AP Fed Com No. 2Y, API# 30-025-46260 ("10/15 2Y") prior to entry of Order No. R-20924, on costs attributable to the 15/10 2H. As explained in the Application, Mewbourne's efforts are improper for several reasons. First, Mewbourne failed to provide notice of its intent to force pool all four wells under one order. Second, Mewbourne misrepresented the status of the 10/15 Wells in the hearing for Case No. 20809 ("15/10 Hearing"). Third, Mewbourne's actions are contrary to law because (1) Mr. Ragsdale never had the opportunity to elect to participate in the 10/15 Wells under a force-pooling order prior to Mewbourne's attempts to drill, and Mewbourne thus assumed the risk of drilling the 10/15 2H and 10/15 2Y by drilling before a force-pooling order was entered; (2) the costs of drilling an abandoned well are not considered "well costs" under Rule 19.15.13.8(B)(1) NMAC; (3) Mewbourne is not entitled to recover these costs because the 15/10 Wells are not substitute wells for the 10/15 Wells under Rule 19.15.13.8(B)(4) NMAC; (4) Order No. R-20924-A does not incorporate 19.15.13.8(1)NMAC or

provide that all of the wells proposed in two different force-pooling cases have the same election; and (5) Paragraph 27 of Order No. R-20924-A does not provide that the only election available to a pooled working interest owner is to elect and render payment of the estimated well cost for all three attempts to drill the First Bone Spring well, along with the Third Bone Spring test.

Notice that does not substantially comply with notice requirements is defective and renders an order void and invalid. *Martinez v. Maggiore*, 2003-NMCA-043, ¶¶ 12-13, 133 N.M. 472; *see id.* ¶ 22 (stating that it may be "particularly misleading" when notice omits facts pertinent to an administrative approval); *see also Johnson v. N.M. Oil Conservation Comm'n*, 1999-NMSC-021, ¶ 3, 127 N.M. 120 (concluding that the Commission's order was invalid with respect to appellees, because they "were not afforded reasonable notice of the proceedings as required by the OGA and its implementing regulations"); *Nesbit v. City of Albuquerque*, 1977-NMSC-107, ¶ 3, 91 N.M. 455 ("Where substantial compliance with mandatory publication requirements is not met, the action of the [administrative authority] is invalid.").

Here, notice was defective because it failed to provide an adequate "description of the hearing's purpose" and "a reasonable identification of the adjudication's subject matter that alerts persons who may be affected if the division grants the application." See 19.15.4.9(A)(5)-(6) NMAC; see also NMSA 1978, § 70-2-23 ("[B]efore any ... order ... shall be made under the provisions of [the Oil and Gas Act], a public hearing shall be held . . . [and t]he division shall first give reasonable notice of such hearing"). Apparently, Mewbourne's purpose was to obtain one order pooling the two 10/15 wells and the two 15/10 wells, which would purportedly allow it to impute actual costs of failed attempts to drill the 10/15 2H and 2Y on estimated costs of the 15/10 2H. The notice published by the Division did not alert interested parties to this purpose. See Notice of Hearing on Oct. 23, 2019, P 29, available at

http://www.emnrd.state.nm.us/OCD/documents/10-03OCDHEARING.pdf (stating that Mewbourne sought to pool the two 15/10 wells). Moreover, as explained in the instant Application, neither the application nor the notice letter in Mewbourne's Case No. 20809 adequately informed the interest owners of the purpose of the proceeding. Application \P 12-13. Thus, notice was not reasonable. *See* § 70-2-23.

Consequently, Mr. Ragsdale seeks revocation of Order Nos. R-20924 and R-20924-A or, in the alternative, a decision that Mewbourne cannot shoehorn costs for its failed attempts to drill the 10/15 2H and 10/15 2Y into the costs for the 15/10 2H. Mr. Ragsdale further seeks to be deemed a consenting party under a revised AFE for the 15/10 2H, without the improper costs for failed attempts to drill the 10/15 2H and 10/15 2H and 10/15 2Y.

PROPOSED EVIDENCE

APPLICANT:

| WITNESSES | EST. TIME | EXHIBITS |
|----------------|-----------|----------|
| Karen Stanford | 1 hour | 7-10 |
| OTHER PARTY: | | |
| WITNESSES | EST. TIME | EXHIBITS |

TBD

PROCEDURAL MATTERS

A. Documents Submitted Concurrently with this Pre-Hearing Statement

Pursuant to Paragraph 5 of the Pre-Hearing Order issued on July 10, 2020 in the abovecaptioned case, the direct testimony of Karen Stanford is attached hereto along with the referenced exhibits. In addition, a statement of undisputed material facts will be separately filed

concurrently.

B. List of Exhibits

The exhibits attached to Ms. Stanford's direct testimony include the following:

- **Exhibit 1:** Maps of 10/15 Wells and 15/10 Wells (previously submitted to the Division by Mewbourne in Case No. 20809)
- **Exhibit 2:** Mewbourne's C-102s for the 10/15 2H and 15/10 2H (previously submitted to the Division by Mewbourne in Case Nos. 20580 and 20809)
- Exhibit 3: Exhibit package previously to the Division by Mewbourne in Case No. 20580
- Exhibit 4: Exhibit package previously to the Division by Mewbourne in Case No. 20809
- **Exhibit 5:** Letter, Mitch Robb to Tom Ragsdale (Mar. 5, 2020)
- **Exhibit 6:** Letter, Tom Ragsdale to Ken Waits (Apr. 15, 2020)
- **Exhibit 7:** Letter, Bruce Insalaco to Karen Stanford & Tom Ragsdale (May 15, 2020)

Respectfully submitted,

MONTGOMERY & ANDREWS, P.A.

By: /s/Sharon T. Shaheen

Sharon T. Shaheen John F. McIntyre P.O. Box 2307 Santa Fe, New Mexico 87504-2307 Telephone: (505) 982-2678 Email: <u>sshaheen@montand.com</u> <u>jmcintyre@montand.com</u>

Attorneys for Tom M. Ragsdale

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing was served on the following

counsel of record by electronic mail on September 4, 2020:

James Bruce, Esq. PO Box 1056 Santa Fe, NM 87504-1056 jamesbruc@aol.com

Attorney for Mewbourne Oil Co.

/s/ Sharon T. Shaheen

DIRECT TESTIMONY OF KAREN STANFORD

- **Q:** Please state your full name for the record.
- A: My name is Karen Anne Stanford.
- **Q:** Where are you employed, for how long, and in what capacity?
- A: I am employed by Siana Oil & Gas Co. in Houston, Texas ("Siana"). I have been working as a landman at Siana since 2015.
- **Q:** Do you seek to have your testimony in this matter admitted as an expert witness and as a fact witness?
- A: Yes, I do.
- **Q:** Please describe your education and experience prior to your work at Siana.
- A: I have a business degree with an emphasis in mineral land management degree from the University of Colorado in Boulder. I graduated in 1984. I worked for Atlantic Richfield Company for 15 years first as a landman and then in business development. Thereafter, I was a contract landman for various companies. I have worked on New Mexico land matters for the past five years.
- **Q:** Is Siana owned and operated by the applicant in this case, Tom Ragsdale?
- A: Yes, it is.
- **Q:** In your work for Siana, did you become familiar with Mr. Ragsdale's interests relating to this matter and the circumstances relating to the same?
- **Q:** Are there any undisputed facts in this case?
- **A:** Yes, Mr. Ragsdale and Mewbourne submitted a statement of undisputed facts concurrently with this written testimony.
- **Q:** To your knowledge, are there any disputed facts material to this proceeding?
- A: Not to my knowledge. However, I will be providing additional information relating to some of the undisputed facts, particularly with respect to our communications with Mewbourne that are identified in the undisputed facts. I will also provide facts relating to our understanding of the previous proceedings related to this case, that is, Case Nos. 20
- **Q:** What is Mr. Ragsdale seeking in this case?
- A: Mr. Ragsdale seeks an order revoking Order Nos. R-20924 (Case No. 20580) and R-20924-A (20809) or, in the alternative, declaring certain costs imposed thereunder unreasonable.

- **Q:** Can you please describe the lands and wells at issue in this application?
- A: In Case No. 20580, Order No. R-20924 pooled the Bone Spring formation underlying the E2/E2 of Sections 10 and 15, Township 23 South, Range 34 East, NMPM, in Lea County, New Mexico, for the purpose of drilling the Ibex 10/15 B1AP Fed. Com. Well No. 2H, API# 30-025-46188 ("10/15 2H") and the Ibex 10/15 B3AP Fed. Com. Well No. 1H, API# 30-025-46189 ("10/15 1H") (collectively, "10/15 Wells").

In Case No. 20809, Order No. R-20924-A pooled the same unit for the purpose of drilling the 10/15 Wells and for drilling the Ibex 15/10 B1PA Fed. Com. Well No. 2H, API# 30-025-47060 ("15/10 2H"), and the Ibex 15/10 B3PA Fed. Com. Well No. 1H, API# 30-025-46948 ("15/10 1H") (collectively, "15/10 Wells").

- **Q:** What is the issue raised by Mr. Ragsdale in this proceeding?
- A: The issue is whether Mewbourne can allocate costs for failed attempts to drill the 10/15 2H and a substitute well, the Ibex 10/15 B1AP Fed Com No. 2Y ("10/15 2Y"), which were incurred prior to any related forcepooling order, in Mewbourne's estimated costs to drill the 15/10 2H.
- **Q:** Did Mr. Ragsdale enter an appearance in Case No. 20580, in which Mewbourne sought to pool the 10/15 Wells?
- A: He did not. Mr. Ragsdale did not object to the wells as proposed by Mewbourne in its well proposals, applications, and the related notice letter. Entering an appearance was therefore unnecessary.
- **Q:** What happened next?
- A: Prior to an order being issued in Case No. 20580, Mewbourne made two failed attempts to drill the 10/15 2H. Subsequently and, again, prior to an order being issued in Case No. 20580, Mewbourne filed its application in Case No. 20809, seeking to force pool the same lands but for the purpose of drilling the 15/10 Wells.
- **Q:** Did Mr. Ragsdale enter an appearance in Case No. 20809, in which Mewbourne sought to pool the 15/10 Wells?
- A: He did not. Again, Mr. Ragsdale did not object to the wells as proposed by Mewbourne in its well proposals, applications, and the related notice letter. Entering an appearance was therefore unnecessary.
- **Q:** Did Mr. Ragsdale receive a well proposal for the 15/10 Wells prior to the filing of the application in Case No. 20809?
- A: To my knowledge, Mr. Ragsdale never received a well proposal letter for the 15/10 Wells.

- **Q:** In its application and notice letter to interested parties in Case No. 20809, did Mewbourne propose to forcepool the 10/15 Wells and the 15/10 Wells as four different wells in Case No. 20809?
- A: My review of the filings in that matter, as well as the resulting order, indicate that is the case.
- Q: Was Mr. Ragsdale informed by Mewbourne prior to the hearing in Case No. 20809 that Mewbourne intended to forcepool the 10/15 Wells, which were the subject of Case No. 20580, along with the 15/10 Wells in Case No. 20809?
- A: No.
- **Q:** Prior to sending out election notices, did Mewbourne ever inform Mr. Ragsdale that the 15/10 Wells were substitute wells for the 10/15 Wells?
- A: No.
- **Q:** At what point did Mr. Ragsdale learn that Mewbourne considered the 15/10 Wells to be substitute wells for the 10/15 Wells?
- A: Mr. Ragsdale learned that Mewbourne considered the 15/10 Wells to be substitutes for the 10/15 Wells during communications with Mewbourne after he received the election notices.
- **Q:** Why was Mr. Ragsdale a few days late in returning the executed AFEs for the 15/10 Wells?
- A: There are several reasons. First, we were confounded by the extra costs inposed on the 15/10 2H and it was necessary to investigate the basis for Mewbourne's imposition of those extraneous costs. Second, COVID restrictions were implemented during this time period and work was disrupted as a result. Finally, there was a death in the family, which required me to be out-of-state for two weeks during this time period.
- **Q:** When you investigated the circumstances relating to Mewbourne's claim in this regard, did you review the exhibits submitted by Mewbourne in the two previous cases?
- A: Yes, I did.
- **Q:** Turning to Applicant's Exhibit 1—please describe this exhibit.
- A: Exhibit 1 contains maps that were submitted by Mewbourne in support of its application in Case No. 20809. The first page indicates the separate locations of each of the four wells that were pooled in Case No. 20809. The second page shows the locations of the 10/15 1H as compared to the 15/10 1H, and the third page shows the locations of the 10/15 2H as compared to the 15/10 2H.

- **Q:** Is there any indication on Exhibit 1 that Mewbourne intended to drill the 15/10 2H as a so-called "substitute" well for the 10/15 2H?
- A: No, there is not.
- **Q:** Turning to Applicant's Exhibit 2—please describe this exhibit.
- A: This exhibit includes the C-102s for the 10/15 2H and the 15/10 2H that were submitted by Mewbourne to the Division in Case Nos. 20580 and 20809.
- **Q:** Is there any indication on Exhibit 2 that Mewbourne intended to drill the 15/10 2H as a so-called "substitute" well for the 10/15 2H?
- A: No, there is not.
- **Q:** Turning to Applicant's Exhibit 3 and Exhibit 4—please describe these exhibits.
- A: These exhibits consist of the exhibits that were submitted by Mewbourne to the Division in Case Nos. 20580 and 20809, respectively, including the verified statements of Mr. Robb, Mewbourne's landman.
- **Q:** Is there any indication in Exhibits 3 or 4 that Mewbourne intended to drill the 15/10 2H as a so-called "substitute" well for the 10/15 2H?
- A: No, there is not.
- **Q:** Turning to Applicant's Exhibit 5 please describe this exhibit.
- A: Exhibit 5 is a letter election notice from Mitch Robb to Tom Ragsdale dated March 5, 2020, to which is attached the September 12, 2019 AFE for the 15/10 1H submitted to the Division, but a revised AFE for the 15/10 2H, which was revised to include the costs of failed attempts to drill the 10/15 2H.
- **Q:** Turning to Applicant's Exhibit 6—please describe this exhibit.
- A: Exhibit 6 is a letter dated April 15, 2020 from Mr. Ragsdale to Ken Waits of Mewbourne including the executed AFEs and explaining the basis for the amount he submitted to participate in the 15/10 2H.
- **Q:** How does Mewbourne view Mr. Ragsdale's status in the 15/10 Wells now?
- A: I understand that Mewbourne deems Mr. Ragsdale as consenting in the 15/10 1H but as non-consenting for the 15/10 2H because Mr. Ragsdale did not pay his share of the additional \$3.1 million that Mewbourne improperly tacked on in the March 2020 AFEs . I want the Division to be aware that, due to extenuating circumstances, Mr. Ragsdale was late in returning the AFEs for the 15/10 Wells to Mewbourne, but Mewbourne granted him an exception. Mewbourne does not consider Mr. Ragsdale non-consenting because he did not return the AFEs within the initial 30 day timeframe; Mewbourne views him as

non-consenting because he did not pay his share of the additional \$3.1 million Mewbourne improperly tacked onto the 15/10 2H March 2020 AFE. A letter from Bruce Insalaca at Mewbourne to Mr. Ragsdale, dated May 15, 2020, evidences what I just explained and is attached as Exhibit 7. The list of undisputed facts also explains this sequence of events.

- **Q:** Does this conclude your testimony at this time?
- A: Yes, it does. However, Applicant reserves the right to present additional direct testimony at hearing on this matter.

VERIFICATION

Karen Stanford, being first duly sworn upon her oath, states as follows: I am the affiant in the foregoing *Direct Testimony of Karen Stanford*. To the best of my knowledge and belief, the contents therein are true and correct.

KAREN STANFORD

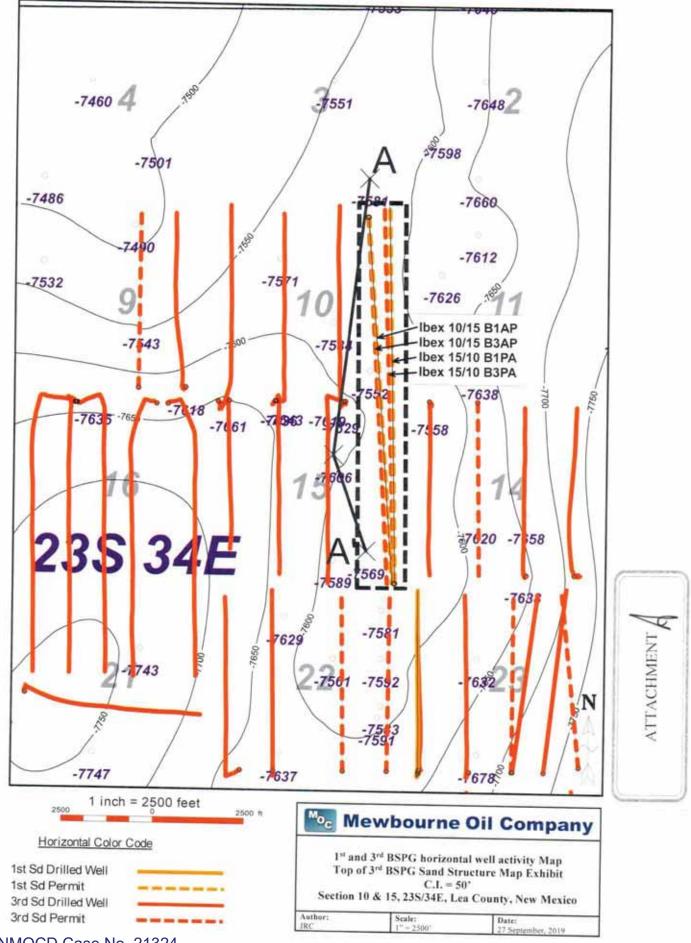
SUBSCRIBED AND SWORN TO before me this 4th day of September, 2020.



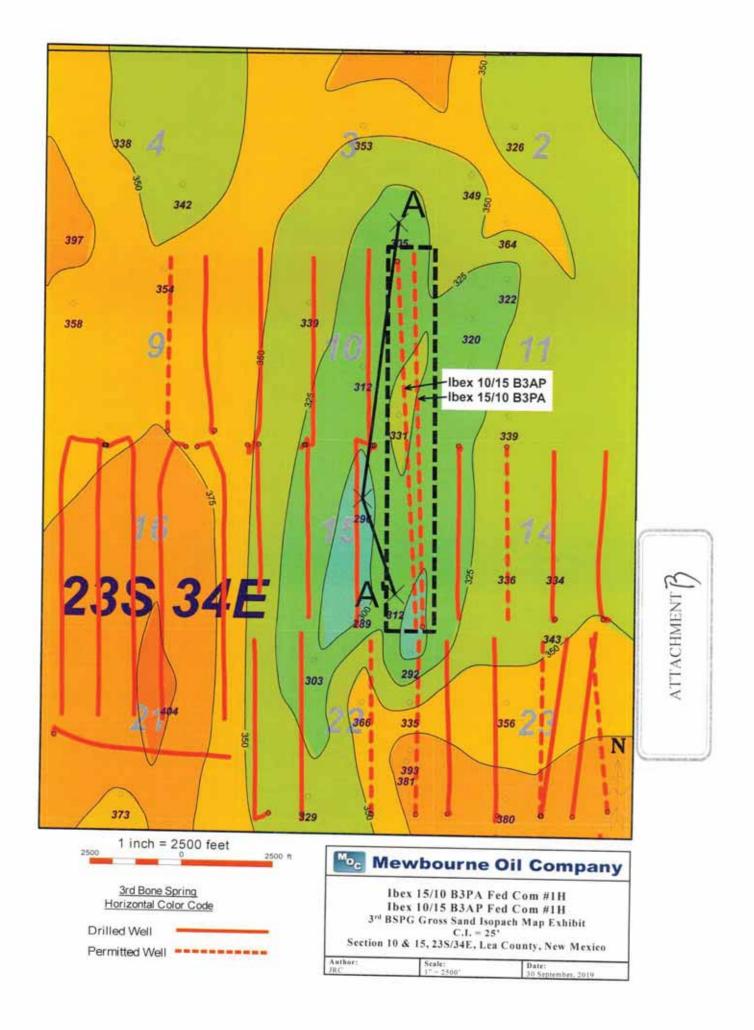
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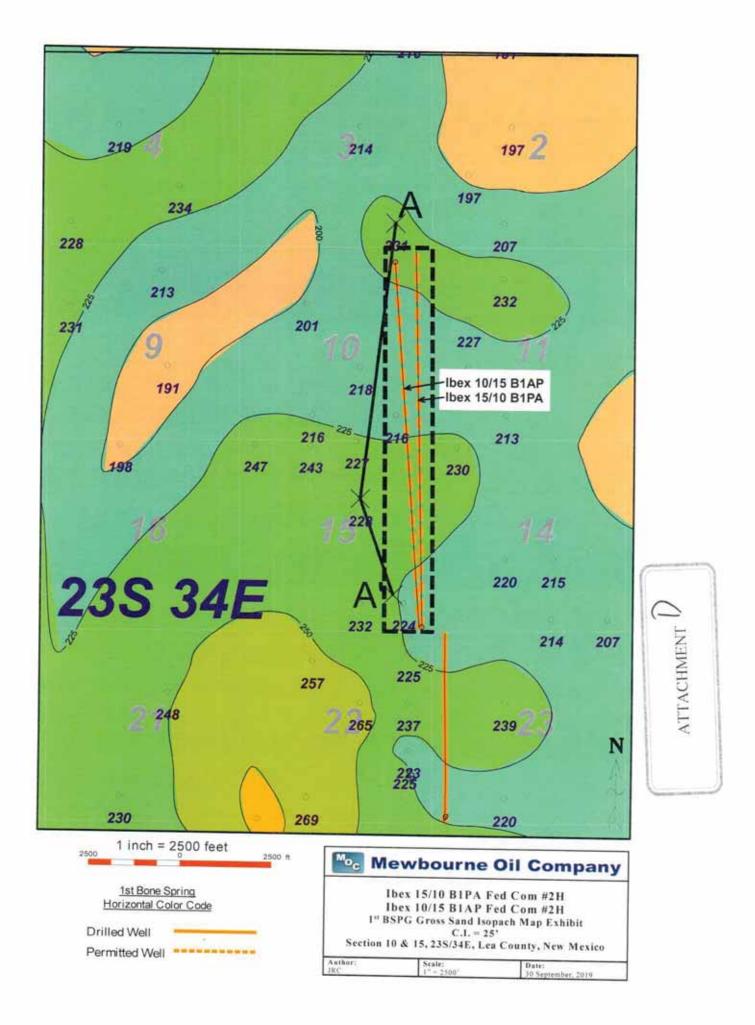
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5-10-2024



NMOCD Case No. 21324 Exhibit 1 - Karen Stanford Direct Testimony September 11, 2020





District 1 1635 N. French Dr., Hobbs, NM 88240 Phose, (575) 393-6161 Fac: (575) 393-0720 Omtrial II 811 S. Fini St., Arseata, NM 88210 Phone, (575) 748-1203 Fax: (575) 348-9720 District III 1000 Rin Brzzov Band, Arstee, NM 87410 Phone, (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-5460 Fax: (503) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

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NMOCD Case No. 21324 EXHIBIT 2 - Karen Stanford Direct Testimony September 11, 2020
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State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

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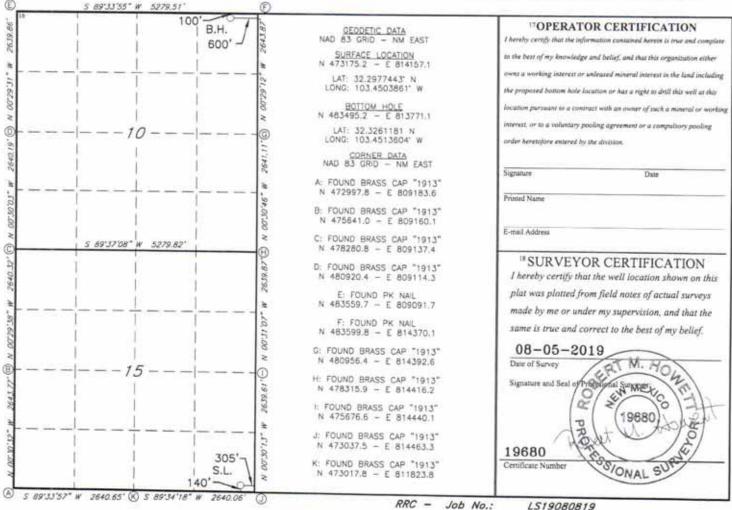
State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

- Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

| 1 API Number 2 Pool | | | | | | | 3 Pool Nan | ne | | | |
|---|------------------------|-----------------|---------------|----------|----------------------|---------------------------|----------------------|------------------------|---------------------|--|--|
| 4Property Cod | BEX 15/10 B3PA FED COM | | | | | | | 6 Well Number 1H | | | |
| *Operator Name MEWBOURNE OIL COMPANY | | | | | | | | | *Elevation 3413' | | |
| | | | | | 10 Surface I | Location | | | | | |
| UL or lot no. P | Section 15 | Township 23S | Range 34E | Lot Idn | Feet from the 140 | North/South line SOUTH | Feet From the 305 | East/West line EAST | County | | |
| | | | 11 H | Bottom H | Iole Location | If Different Fro | m Surface | | | | |
| UL or lot no. A | Section 10 | Township 23S | Range 34E | Lot Idn | Feet from the 100 | North/South line NORTH | Feet from the 600 | East/West line EAST | County | | |
| Dedicated Acres | 13 Joint | or Infill 14 | Consolidation | Code 15 | Order No. | | | | | | |

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



LS19080819

District 1 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District 11 811 S. First SL, Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District 111 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. E. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

5 89'33'55" W 5279.51'

E

1

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

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

| 1, | API Number | | | 2 Pool Cod | • | | 3 Pool Name | | | |
|---|---------------|-----------------|---------------|------------|---|---------------------------|-------------------|------------------------|---------------------------|--|
| *Property Cod | ¢ | | | IBEX | ³ Property Name EX 15/10 B1PA FED COM | | | | | |
| *Operator Name MEWBOURNE OIL COMPANY | | | | | | | | | 2H *Elevation 3412' | |
| | | | | _ | 10 Surface I | Location | | | | |
| UL or lot no. P | Section 15 | Township 23S | Range 34E | Lot Idn | Feet from the 140 | North/South line | Feet From the 275 | East/West line EAST | County | |
| | | | 11 H | Bottom H | Hole Location | If Different Fro | m Surface | | - | |
| UL or lot no. A | Section 10 | Township 23S | | Lot Idn | Feet from the 100 | North/South line NORTH | Feet from the | East/West line EAST | County | |
| Dedicated Acres | 13 Joint | or Infill 1 | Consolidation | Code 15 | Order No. | | | | Lun | |

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

| NAD 83 GRID - NM EAST | I hereby certify that the information contained herein is true and complete |
|--|---|
| SURFACE LOCATION N 473175.4 - E 814187.1 | to the best of my knowledge and belief, and that this organization either |
| LAT: 32.2977442' N LONG: 103.4502889' W | words a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well as this |
| <u>BOTTOM HOLE</u> N 483496.4 - E 813921.1 | location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling |
| LAT: 32.3261178 N LONG: 103.4508749" W | order heretofore entered by the division. |
| NAD B3 GRID - NM EAST | |
| A: FOUND BRASS CAP "1913" N 472997.8 - F 800183.6 | Signature Date |
| B: FOUND BRASS CAP "1913" | Printed Name |
| C: FOUND BRASS CAP "1913" | E-mail Address |
| D: FOUND BRASS CAP "1913" N 480920.4 - E 809114.3 | ¹¹ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this |
| E: FOUND PK NAIL N 483559.7 - E 809091.7 | plat was plotted from field notes of actual surveys made by me or under my supervision, and that the |
| F: FOUND PK NAIL N 483599.8 - E 814370.1 | same is true and correct to the best of my belief. |
| G: FOUND BRASS CAP "1913" N 480955.4 - E 814392.6 | 08-05-2019 Date of Survey |
| H: FOUND BRASS CAP "1913" N 478315.9 - E 814416.2 | Signature and Seal of Processional Surgers |
| I: FOUND BRASS CAP "1913" N 475676.6 - E 814440.1 | (19680) |
| J: FOUND BRASS CAP "1913" N 473037.5 - E 814463.3 | 13 the state |
| K: FOUND BRASS CAP "1913" N 473017.8 - E 811823.8 | Certificate Number |
| | N 473175.4 - E 814187.1 LAT: 32.2977442' N LONG: 103.4502889' W BOTTOM HOLE N 483496.4 - E 813921.1 LAT: 32.3261178 N LONG: 103.4508749' W CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1913" N 47297.8 - E 809183.6 B: FOUND BRASS CAP "1913" N 475641.0 - E 809160.1 C: FOUND BRASS CAP "1913" N 478280.8 - E 809187.4 D: FOUND BRASS CAP "1913" N 478280.8 - E 809137.4 D: FOUND BRASS CAP "1913" N 480920.4 - E 809114.3 E: FOUND PK NAIL N 4835597.7 - E 809091.7 F: FOUND PK NAIL N 483559.8 - E 814370.1 G: FOUND BRASS CAP "1913" N 480956.4 - E 814370.1 G: FOUND BRASS CAP "1913" N 478315.9 - E 814416.2 H: FOUND BRASS CAP "1913" N 475676.6 - E 814440.1 J: FOUND BRASS CAP "1913" N 473037.5 - E 814463.3 K: FOUND BRASS CAP "1913" |

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 MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

Case No. 20580

VERIFIED STATEMENT OF MITCH ROBB

Mitch Robb, being duly sworn upon his oath, deposes and states:

1. I am a landman for Mewbourne Oil Company ("Mewbourne"), and have personal knowledge of the matters stated herein. I have been qualified by the Division as an expert petroleum landman.

 Pursuant to NMAC 19.15.4.12.A(1), the following information is submitted in support of the compulsory pooling application filed herein:

(a) The purpose of this application is to force pool working interest owners into the Bone Spring horizontal spacing unit described below, and in wells to be drilled in the unit.

(b) No opposition is expected because the interest owners being pooled have been contacted regarding the proposed well, but have failed or refused to voluntarily commit their interests to the well. Some interest owners may be unlocatable.

(c) A plat outlining the unit being pooled is attached hereto as Attachment A. Mewbourne seeks an order pooling all mineral interests in the Bone Spring formation underlying the E/2E/2 of Section 10 and the E/2E/2 of Section 15, Township 23 South, Range 34 East, NMPM. The unit will be dedicated to:

 (i)) the Ibex 10/15 B1AP Fed. Com. Well No. 2H, a horizontal well with a first take point in the NE/4 NE/4 of 10 and a final take point in the SE/4 SE/4 of Section 15;

(ii) the Ibex 10/15 B3AP Fed. Com. Well No. 1H, a horizontal well with a first take point in the NE/4 NE/4 of 10 and a final take point in the SE/4 SE/4 of Section 15.

(d) The parties being pooled and their interests are set forth in Attachment B. Their current and correct addresses, or last known addresses, are also set forth.

NMOCD Case No. 21324 EXHIBIT 3 - Karen Stanford Direct Testimony September 11, 2020

| the second | 1 | |
|---|----|--|
| EXHIBIT | į. | |
| | | |

(e) In order to locate the interest owners Mewbourne examined the county records, performed internet searches, checked telephone records, made calls to family members, and searched Accurint and Whitepages.

(f) Attachment C contains a summary of contacts or attempted contacts with the interest owners, together with copies of the proposal letters sent to the interest owners.

(g) Mewbourne has made a good faith effort to obtain the voluntary joinder of the working interest owners in the proposed well, or to locate the owners.

(h) Mewbourne has the right to pool the overriding royalty owners in the well unit.

(i) Attachment D contains the Authorizations for Expenditure for the proposed wells. The estimated costs of the wells set forth therein are fair and reasonable, and comparable to the costs of other wells of similar depth and length drilled in this area of Eddy County.

(j) Mewbourne requests overhead and administrative rates of \$8000/month for a drilling well and \$800/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this portion of Lea County. They are also the rates set forth in the Joint Operating Agreement for the well unit. Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.

(k) Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.

Mewbourne requests that it be designated operator of the wells.

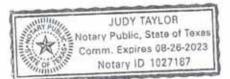
(m) The attachments to this affidavit were prepared by me, or compiled from Company business records.

(n) The granting of this application is in the interests of conservation and the prevention of waste.

VERIFICATION

STATE OF TEXAS)) ss. COUNTY OF MIDLAND)

Mitch Robb, being duly sworn upon his oath, deposes and states that: He is a landman for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.



Mitch Robb

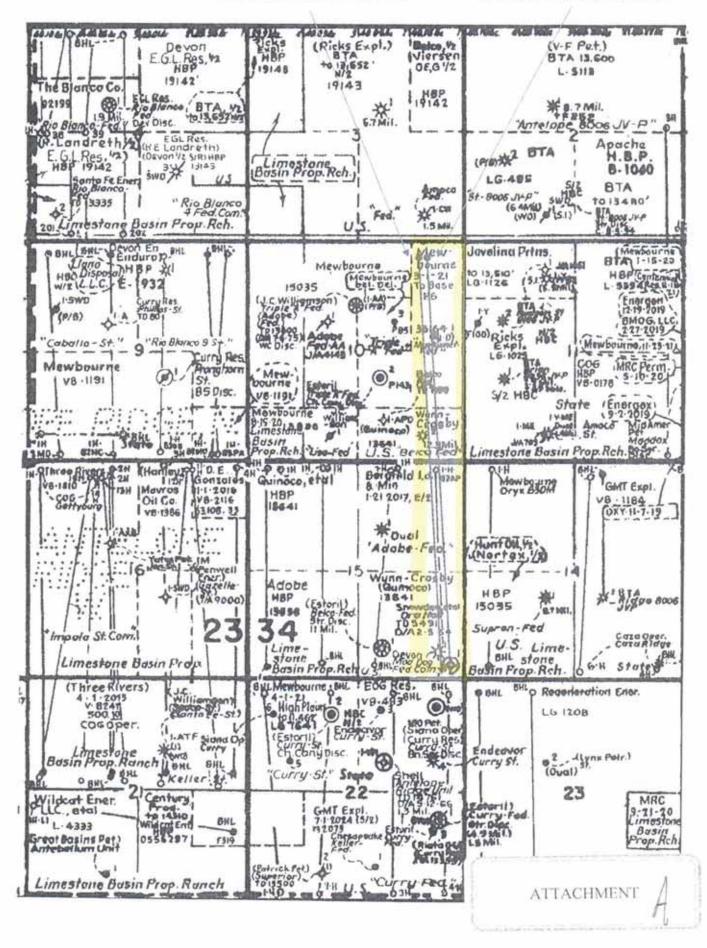
SUBSCRIBED AND SWORN TO before me this $13th_{-}$ day of June, 2019 by Mitch Robb.

My Commission Expires: 8-26-23

Notary Public

Ibex 10/15 B3AP Fed Com #1H

Ibex 10/15 B1AP Fed Com #2H



District 1 1635 N. French Dr., Habbs, NSI 88240 Phone: (575) 393-6161 Eart: (575) 393-0720 District II 841 S. Fini St., Arteata, NM 88210 Phone: (575) 748-1270 Fax: (575) 748-9720 District III 1000 Fini Brazos Road, Arace, SM 87410 Phone: (595) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-4460 Fax: (305) 476-3462

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

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

| | API Number | | | ² Pool Code | | | 1 Poul Name | | | |
|-----------------------|--|-----------------|----------------|------------------------|-------------------|---------------------------|--------------------|------------------------|--------------------------------|--|
| Property Co. | y Code ^{1Property Name} IBEX 10/15 B3AP FED COM | | | | | | | | ⁶ Well Number 1H | |
| MEWBOURNE OIL COMPANY | | | | | | | | | *Lievation 3369' | |
| | | | | | " Surface 1 | ocation | | | | |
| UL or lot no. A | Section 10 | Township 23S | Range 34E | Lot Idu | Feet from the 393 | North/South line NORTH | Feet From the 1039 | East/West line EAST | County | |
| | | | -0 E | Bottom H | ole Location | If Different Fre | om Surface | | | |
| UL of IOL NO P | Sections 15 | Township 23S | Range 34E | Log Ida | Feet from the 100 | North/South line SOUTH | Feet from the 600 | EAST | County | |
| Dedicated Acres | U Joint | or Infill 14 (| Sansialidation | Code D O | nler No. | | | | | |

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

| 5 893335" # 5279.51' (F) | |
|--|---|
| 39.3' S.L. 10.39' 10.39' 10.39' 10.39' 10.39' 10.39' | MM EAST Invariant particular or contract with an unsure of tack or minimatur works CAP "1913" Invertising particular or inversion or of computatory pooling CAP "1913" Inversion particular or inversion or of computatory pooling CAP "1913" Inversion particular or inversion CAP "1913" Inversion CAP "1913" <t< td=""></t<> |

@ s 8933'37" W 2640.65' @ 5 8934'18" W 2640.06' ()

RRC - Job No.: LS19010040

 Histariet J

 1675 N. French Dr., Hobbs, NM 88240

 Phome: (575) 193-6161

 Phome: (575) 193-6161

 Fix St., America, NM 88210

 Phome: (575) 748-1283 Pace (573) 748-9730

 Districi II

 Districi II

 1000 Rio Brazos Road, Arsce, NM 87410

 Phome: (505) 334-6178 Pace (573) 748-9730

 Districi II

 1000 Rio Brazos Road, Arsce, NM 87410

 Phome: (505) 334-6178 Pace (505) 334-6170

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 1220 S. St. Francis Dr., Sama Fu, NM 87505

 Phome: (505) 476-3460 Fax: (503) 476-3462

in

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

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

| 1 API Number 1 Pos | | | | | | ACREAGE DEDICATION PLAT | | | |
|---|---------------|-----------------|---------------|----------|-------------------------------|---------------------------|-------------------|------------------------|--------|
| 4Property Code | | | | | 3 Property Name & Well Number | | | | |
| Log Internet | - | | | IBEX | 10/15 B1/ | AP FED COM | | | 2H |
| TOGRID NO. TOPERATE Name MEWBOURNE OIL COMPANY | | | | | | | | "filevation 3369" | |
| | | | | | 10 Surface | ocation | | | |
| UL or lot no. | Section 10 | Township 23S | Range 34E | Lot Ide | Feet from the | North/South line | Feet From the | End/West line | County |
| n | 10 | 600 | | | 400 | NORTH | 1010 | EAST | LEA |
| | | | | Bottom H | ole Location | If Different Fro | on Surface | | |
| P | Section 15 | Township 23S | Range 34E | Lot Ida | Feet from the 100 | North/South line SOUTH | Feet from the 450 | East/West line EAST | County |
| Dedicated Acres | O Joint | or hufil 44.0 | 'ousulidation | Cade 100 | tder No. | | | | 1 |

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

| 400' | |
|--|--|
| S.L. 1010 No. CORNER DATA NO. 83 ORD - NN EAST A. FOUND BRASS CAP "1913" A. FOUND BRASS CAP "1913" A. FOUND BRASS CAP "1913" N. 403192.1 - E BUJG3.5 B. FOUND BRASS CAP "1913" N. 475841.0 - E 809180.1 N. 403192.1 - E BUJG3.5 B. FOUND BRASS CAP "1913" N. 475841.0 - E 809137.4 LONG: 103.4526878'W D. FOUND BRASS CAP "1913" LING: 103.4526878'W D. FOUND BRASS CAP "1913" S. 88/37288''W S. 88/37288''W S. 88/37288''W S. 88/37288''W S. 88/37288''W S. 88/37288''W'N'W'W'W'W'W'W'W'W'W'W'W'W'W'W'W'W' | ¹⁷ OPERATOR CERTIFICATION ¹⁷ breedy certify that the information commond herein in the new and complete in the best of mix knowledge and kellef, and that also organization eicher inner is sortiding interest to an observed mixerest in the band including the program for the hole breaks or eight is a different with an observed interest in the band including interest, or no a within the breaks or eight is a different with an observed interest or the band increaded interest, or no a within any product in a compaction y product interest, or no a within any product in a compaction y product interest, or no a within any product in a compaction y product interest, or no a within any product in a compaction y product interest, or no a within any product in a compaction y product interest, or no a within any product in a compaction y product interest, or no a within any product in a compaction y product interest, or no a within any product in a compaction y product interest, or no a within any product in a compaction y product interest, or no a within any product in a compaction y product interest, or no a within any product in a compaction y product interest, or no a within any product in a compaction y product interest, or no a within any product in a compaction y product interest, or no a within any product in a compaction y product interest, or no a within any product in a compaction y product interest, or no a within any product interest in a compaction y product interest, or no a within any product interest in the compaction of a contain surveys in and e by one or under may support vision, and that the stande by one or under may support vision, and that the stande by one or under may support vision, and that the stande by me or under may support vision, and that the stande is true and correct to the best of my bellef. 1—14—19 Disc of Survey Signature and Seal or Weighten at Surveys Signa |

RRC - Job No.: LS19010039

<u>Tract Ownership</u> <u>Ibex 10/15 B3AP Fed Com #1H Well</u> <u>E/2E/2 of Section 10 & E/2E/2 of Section 15, T23S, R34E</u> <u>Lea County, New Mexico</u>

E/2E/2 of Section 10 & E/2E/2 of Section 15, T23S, R34E:

Ownership:

| Mewbourne Oil Company, Operator, and Challenger Crude, Ltd., et al, as Non-Operators | 70.525868% |
|---|------------------|
| *Marathon Oil Permian LLC | 18,148066% |
| *Blanco Holdings I, Ltd. | 1.126978% |
| *Endeavor Energy Resources, L.P. | 0.734950% |
| *Maverick Oil & Gas Corporation | 0.615736% |
| *Phoebe Thompkins | |
| *Tom M. Ragsdale | 0.020307% |
| *Energy Investors 1987, L.P. | 4.890142% |
| *Landis Drilling Co. | 1.232000% |
| *Boerne Land & Cattle Company, Inc. | 0.533334% |
| *Douglas A. Tatum, P.C. | 0.790777% |
| *Charles C. Albright III, Trustee | 0.667202% |
| *Pride Energy Company | 0.042088% |
| *PW Production, Inc. | 0.351563% |
| | 0.139101% |
| *Noel and Elizabeth Workman | 0.102713% |
| *Black & Gold Resources | 0.079175% |
| *Siana Oil & Gas Company, LLC | 0.000000% |
| *LRF Limited Partnership | 0.000000% |
| *Estate of Larry Moore | 0.000000% |
| *Estoril Producing Corporation | 0.000000% |
| *Estate of Max Curry | 0.000000% |
| *Devon Energy Production Company, L.P. | 0.000000% |
| *Chessie Exploration, Inc. | 0.000000% |
| *Black & Gold Resources, LLC | 0.000000% |
| *ACF Petroleum Company | 0.000000% |
| | 10.100 000000000 |

Total Interest being force pooled: 29.551099%

* Denotes an interest that is being force pooled.

| AT | TACH | MEN | TR |
|------|------|-----|----|
| 73.1 | | | 1 |

<u>Tract Ownership</u> <u>Ibex 10/15 B1AP Fed Com #2H Well</u> <u>E/2E/2 of Section 10 & E/2E/2 of Section 15, T23S, R34E</u> <u>Lea County, New Mexico</u>

<u>E/2E/2 of Section 10 &</u> E/2E/2 of Section 15, T23S, R34E:

Ownership:

| Mewbourne Oil Company, Operator, and Challenger Crude, Ltd., et al, as Non-Operators | 71.254577% |
|---|------------|
| *Marathon Oil Permian LLC | 17.511214% |
| *Blanco Holdings 1, Ltd. | 1.087430% |
| *Endeavor Energy Resources, L.P. | 0.709160% |
| *Maverick Oil & Gas Corporation | 0.594129% |
| *Phoebe Thompkins | 0.015395% |
| *Tom M. Ragsdale | 4.890142% |
| *Energy Investors 1987, L.P. | 1.232000% |
| *Landis Drilling Co. | 0.533334% |
| *Boerne Land & Cattle Company, Inc. | 0.790777% |
| *Douglas A. Tatum, P.C. | 0.667202% |
| *Charles C. Albright III, Trustee | 0.042088% |
| *Pride Energy Company | 0.351563% |
| *PW Production, Inc. | 0.139101% |
| *Noel and Elizabeth Workman | 0.102713% |
| *Black & Gold Resources | 0.079175% |
| *Siana Oil & Gas Company, LLC | 0.000000% |
| *LRF Limited Partnership | 0.000000% |
| *Estate of Larry Moore | 0.000000% |
| *Estoril Producing Corporation | 0.000000% |
| *Estate of Max Curry | 0.000000% |
| *Devon Energy Production Company, L.P. | 0.000000% |
| *Chessie Exploration, Inc. | 0.000000% |
| *Black & Gold Resources, LLC | 0.000000% |
| *ACF Petroleum Company | 0.000000% |

Total Interest being force pooled: 28.819689%

* Denotes an interest that is being force pooled.

<u>Summary of Communications</u> <u>Ibex 10/15 B3AP Fed Com #1H Well</u> <u>Ibex 10/15 B1AP Fed Com #2H Well</u> <u>E/2E/2 of Section 10 & E/2E/2 of Section 15, T23S, R34E</u> Lea County, New Mexico

Black & Gold Resources, LLC

03/18/2017: Sent a Working Interest Unit and Well Proposal to the above listed party. 03/19/2017: Sent a Communitization Agreement to the above listed party. 04/09/2019: Received signed AFEs from above listed party.

Pride Energy Company

03/18/2017: Sent a Working Interest Unit and Well Proposal to the above listed party.
03/19/2017: Sent a Communitization Agreement to the above listed party.
03/27/2019: Spoke with above listed party and they will most likely participate under pooling order.
03/29/2019: Spoke with above listed party regarding Working Interest Unit and Well Proposal.

Tom M. Ragsdale

03/18/2017: Sent a Working Interest Unit and Well Proposal to the above listed party. 04/16-25/2019: Email correspondence with above listed party regarding Working Interest Unit and Well Proposal.

Maverick Oil & Gas Corporation

03/18/2017: Sent a Working Interest Unit and Well Proposal to the above listed party.
03/21/2019: Received signed AFEs from above listed party.
03/21-04/23/2019: Email correspondence with above listed party regarding Working Interest Unit and Well Proposal.

Endeavor Energy Resources, L.P.

03/18/2017: Sent a Working Interest Unit and Well Proposal to the above listed party. 04/12-15/2019: Email correspondence with above listed party regarding Working Interest Unit and Well Proposal.

Blanco Holdings I, Ltd.

03/18/2017: Sent a Working Interest Unit and Well Proposal to the above listed party. 03/25/2019: Received signed AFEs from above listed party. 04/02/2019: Email correspondence with above listed party.

ATTACHMENT

Marathon Oil Permian LLC

03/18/2017: Sent a Working Interest Unit and Well Proposal to the above listed party. 03/21/2019: Spoke with above listed party regarding Working Interest Unit and Well Proposal. 04/17/2019: Spoke with above listed party regarding Working Interest Unit and Well Proposal. 05/29/2019: Called with above listed party regarding Working Interest Unit and Well Proposal.

Noel and Elizabeth Workman <u>P W Production, Inc.</u> <u>Charles C. Albright, III, Trustee</u> <u>Douglas A. Tatum, P.C.</u> <u>Boerne Land & Cattle Company, Inc.</u> <u>Landis Drilling Co.</u> <u>Energy Investors 1987, L.P.</u> <u>Phoebe Tompkins</u> 03/18/2017: Sent a Working Interest Unit and Well Proposal to the above listed parties. We have not heard any response regarding the same to date.

LRF Limited Partnership 03/19/2017: Sent a Communitization Agreement to the above listed party (record title owner only).

Joan M. Moore, Independent Executrix of the Estate of Larry Moore, deceased 03/19/2017: Sent a Communitization Agreement to the above listed party (record title owner only).

Estoril Producing Corporation 03/19/2017: Sent a Communitization Agreement to the above listed party (record title owner only).

Chessie Exploration, Inc

03/19/2017: Sent a Communitization Agreement to the above listed party (record title owner only).

ACF Petroleum Company

03/19/2017: Sent a Communitization Agreement to the above listed party (record title owner only).

Siana Oil & Gas Company, LLC

03/19/2017: Sent a Communitization Agreement to the above listed party.

MEWBOURNE OIL COMPANY FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715

March 13, 2018

Via Certified Mail

Black & Gold Resources, LLC 25025 IH 45 N, Suite 420 Spring, TX 77380 Attn: David V. De Marco

> Re: Ibex 10/15 B3AP Fed Com #1H Ibex 10/15 B1AP Fed Com #2H Section 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Enclosed for your further handling is our proposed Communitization Agreement dated March 1, 2019 covering the captioned land and a set of extra signature/notary pages of same. This agreement communitizes the leases covering the captioned land for Bone Spring production. The captioned Ibex 10/15 B3AP Fed Com #1H and Ibex 10/15 B1AP Fed Com #2H are horizontal wells with the E/2E/2 of the captioned Section 10 and Section 15 being dedicated to the well as the proration unit.

In reference to the above, please have the agreement executed and return only the extra set of signature/notary pages to me for further handling. Please retain the copy of the Communitization Agreement for your file.

Should you have any questions regarding the above, please email me at <u>mrobb@mewbourne.com</u> or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

201-P-

Mitch Robb Landman

MEWBOURNE OIL COMPANY FASKEN CENTER S00 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 582-3715

March 15, 2019

Via Certified Mail

Black & Gold Resources, LLC 25025 IH 45 N, Suite 420 Spring, TX 77380 Attn: David V. De Marco

Re: Ibex 10/15 B1AP Fed Com #2H 400' FNL & 1010' FEL (SL : Sec. 10) 100' FSL & 450' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

80

Ibex 10/15 B3AP Fed Com #1H 393' FNL & 1039' FEL (SL : Sec. 10) 100' FSL & 600' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280.00 acre Working Interest Unit ("WIU") covering the all of the captioned Sections 10 & 15 for oil and gas production. The targeted intervals for the proposed unit are the Bone Spring and Wolfcamp formations.

Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B1AP Fed Com #2H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,636 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,918 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

In addition, Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B3AP Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 11,266 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 21,533 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling are our AFEs dated March 8, 2019 for the captioned proposed wells. Please sign and return said AFEs at your earliest convenience if you elect to participate in the captioned wells and WIU and return to me within thirty (30) days.

Should you elect to participate under a Joint Operating Agreement ("JOA"), a copy of our JOA follow under a separate cover letter for your further handling and review in the near future.

Should you have any questions regarding the above, please email me at mrobb@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

ZULTR

Mitch Robb Landman



March 21, 2019

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number: 9402 8106 9994 5039 3332 58.

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|-------------------------|---------------------------------|--|--|
| Status: | Delivered, Left with Individual | | |
| Status Date / Time: | March 21, 2019, 1:25 pm | | |
| Location: | SPRING, TX 77380 | | |
| Postal Product: | Priority Mail* | | |
| Extra Services: | Certified Mail™ | | |
| | Return Receipt Electronic | | |
| | Up to \$50 insurance included | | |
| Recipient Name: | Attn David V De Marco | | |
| Shipment Details | | | |
| Weight: | 1lb, 0.0oz | | |
| Recipient Signature | | | |
| Signature of Recipient: | Via | | |
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> Altn: David V. De Marco Black & Gold Resources, LLC 25025 IH 45 N, Suite 420 Spring, TX 77380 Reference #: IBEX 10 15 B3AP 1H B1AP2H MR Item ID: IBEX 10 15 B3AP 1H B1AP2H

MEWBOURNE OIL COMPANY

FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715

March 13, 2018

Via Certified Mail

Pride Energy Company P.O. Box 701950 Tulsa, OK 74170

> Re: Ibex 10/15 B3AP Fed Com #1H Ibex 10/15 B1AP Fed Com #2H Section 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Enclosed for your further handling is our proposed Communitization Agreement dated March 1, 2019 covering the captioned land and a set of extra signature/notary pages of same. This agreement communitizes the leases covering the captioned land for Bone Spring production. The captioned Ibex 10/15 B3AP Fed Com #1H and Ibex 10/15 B1AP Fed Com #2H are horizontal wells with the E/2E/2 of the captioned Section 10 and Section 15 being dedicated to the well as the proration unit.

In reference to the above, please have the agreement executed and return only the extra set of signature/notary pages to me for further handling. Please retain the copy of the Communitization Agreement for your file.

Should you have any questions regarding the above, please email me at <u>mrobb@mewbourne.com</u> or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

m-P

Mitch Robb Landman MEWBOURNE OIL COMPANY FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715

March 15, 2019

Via Certified Mail

Pride Energy Company P.O. Box 701950 Tulsa, OK 74170

Re: Ibex 10/15 B1AP Fed Com #2H
 400' FNL & 1010' FEL (SL : Sec. 10)
 100' FSL & 450' FEL (BHL : Sec. 15)
 Sections 10/15, T23S, R34E
 Lea County, New Mexico

& Ibex 10/15 B3AP Fed Com #1H
 393' FNL & 1039' FEL (SL : Sec. 10)
 100' FSL & 600' FEL (BHL : Sec. 15)
 Sections 10/15, T23S, R34E
 Lea County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280.00 acre Working Interest Unit ("WIU") covering the all of the captioned Sections 10 & 15 for oil and gas production. The targeted intervals for the proposed unit are the Bone Spring and Wolfcamp formations.

Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B1AP Fed Com #2H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,636 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,918 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

In addition, Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B3AP Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 11,266 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 21,533 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling are our AFEs dated March 8, 2019 for the captioned proposed wells. Please sign and return said AFEs at your earliest convenience if you elect to participate in the captioned wells and WIU and return to me within thirty (30) days.

Should you elect to participate under a Joint Operating Agreement ("JOA"), a copy of our JOA follow under a separate cover letter for your further handling and review in the near future.

Should you have any questions regarding the above, please email me at <u>mrobb@mewbourne.com</u> or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

2U-R

Mitch Robb Landman



March 26, 2019

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number: 9402 8106 9994 5039 3332 96.

| Item Details | | |
|-------------------------|-------------------------------|--|
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| Status Date / Time: | March 26, 2019, 9:46 am | |
| Location: | TULSA, OK 74136 | |
| Postal Product: | Priority Mail® | |
| Extra Services: | Certified Mail™ | |
| | Return Receipt Electronic | |
| | Up to \$50 insurance included | |
| Recipient Name: | Pride Energy Company | |
| Shipment Details | | |
| Weight: | 1lb, 0.0oz | |
| Recipient Signature | | |
| Signature of Recipient: | X Matthe L. Pride | |
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| Washington, D.C. 20260-0004 | Pride Energy Company PO BOX 701950 Tulsa, OK 74170 Reference #: IBEX 10 15 B3AP 1H B1AP2H MR Item ID: IBEX 10 15 B3AP 1H B1AP2H |

MEWBOURNE OIL COMPANY FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715

March 15, 2019

80

Via Certified Mail

Tom M. Ragsdale 400 N. Sam Houston Parkway East, Suite 601 Houston, Texas 77060 Attn: Karen Stanford

Re: Ibex 10/15 B1AP Fed Com #2H
 400' FNL & 1010' FEL (SL : Sec. 10)
 100' FSL & 450' FEL (BHL : Sec. 15)
 Sections 10/15, T23S, R34E
 Lea County, New Mexico

Ibex 10/15 B3AP Fed Com #1H 393' FNL & 1039' FEL (SL : Sec. 10) 100' FSL & 600' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

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Should you elect to participate under a Joint Operating Agreement ("JOA"), a copy of our JOA follow under a separate cover letter for your further handling and review in the near future.

Should you have any questions regarding the above, please emuil me at <u>mrobb@mewbourne.com</u> or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

ZUI-R

Mitch Robb Landman MEWBOURNE OIL COMPANY FASKEN CENTER SOD WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715

March 13, 2018

Via Certified Mail

Siana Oil & Gas Company, LLC & Tom M. Ragsdale 400 N. Sam Houston Parkway East, Suite 601 Houston, Texas 77060 Attn: Karen Stanford

> Re: Ibex 10/15 B3AP Fed Com #1H Ibex 10/15 B1AP Fed Com #2H Section 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Enclosed for your further handling is our proposed Communitization Agreement dated March 1, 2019 covering the captioned land and a set of extra signature/notary pages of same. This agreement communitizes the leases covering the captioned land for Bone Spring production. The captioned Ibex 10/15 B3AP Fed Com #1H and Ibex 10/15 B1AP Fed Com #2H are horizontal wells with the E/2E/2 of the captioned Section 10 and Section 15 being dedicated to the well as the proration unit.

In reference to the above, please have the agreement executed and return only the extra set of signature/notary pages to me for further handling. Please retain the copy of the Communitization Agreement for your file.

Should you have any questions regarding the above, please email me at <u>mrobb@mewbourne.com</u> or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

211- R-

Mitch Robb Landman

Re: Ibex 10/15 Wells

Karen Stanford <kstanford@sianaoil.com> Thu 4/25/2019 4:01 PM To: Mitch Robb <mrobb@mewbourne.com> Great - I have it now. Thanks for the explanations! Karen

From: Mitch Robb <mrobb@mewbourne.com> Sent: Thursday, April 25, 2019 3:24:25 PM To: Karen Stanford Subject: Re: Ibex 10/15 Wells

The AFEs that I sent assumed that Tom would participate under the pooling order so they did not take these calculations into consideration.

Yes, the B1AP #2H will be a first bone spring well with a TVD of 9,636' (Contract Area A).

Mitch

From: Karen Stanford <kstanford@sianaoil.com> Sent: Thursday, April 25, 2019 3:20 PM To: Mitch Robb Subject: Re: Ibex 10/15 Wells

Thanks Mitch and thanks for the explanation earlier. I did get the same interest you are showing on your spreadsheet when I calculated it -(for the B3AP #1H anyway.) However, the AFEs you sent Tom have a different interest on it. Are the AFEs incorrect or are they calculated differently?

Also, with regards to the B1AP #2H well - Is that a 1st Bone Spring well? What is the vertical depth of the objective for that well? Contract area A goes to a depth 9,970'. What is that formation/zone?

Thanks so much for your help!

Karen

From: Mitch Robb <mrobb@mewbourne.com> Sent: Thursday, April 25, 2019 2:21:02 PM To: Karen Stanford Subject: Re: Ibex 10/15 Wells

Karen,

I've attached a spreadsheet reflecting my calculations for Tom's interest in the Ibex 10/15 JOA and individual wells.

Please let mc know if you have any questions.

Thanks,

Mitch Robb Landman Mewbourne Oil Company Office: (432) 682-3715 Cell: (918) 200-4242 Email: <u>mrobb@mewbourne.com</u>

From: Karen Stanford <kstanford@sianaoil.com> Sent: Wednesday, April 24, 2019 1:26 PM To: Mitch Robb Subject: Re: Ibex 10/15 Wells

Hi Mitch,

I just left you a voice message. I have some questions about the interest calculations for the Ibex 10-15 JOA. When you have a minute, can you call me on my cell please?

713-320-6871

Thanks so much,

Karen Stanford

From: Karen Stanford Sent: Monday, April 22, 2019 1:35:25 PM To: Mitch Robb Cc: Tom Ragsdale Subject: RE: Ibex 10/15 Wells

Hi Mitch - thanks for sending this. I am reviewing the JOA and will get back with you on comments soon.

Would you please send me any supplements to the original title opinion and the Division Order title opinions for all the Pronghorn wells at your earliest convenience?

I would also like to get the original title opinion/supplements for the Ibex and the division order title opinions as well.

And lastly, can you tell me who in your accounting group I should contact about payout statements for these wells?

Thanks so much,

Karen Stanford

From: Mitch Robb <mrobb@mewbourne.com> Sent: Wednesday, April 17, 2019 3:03 PM To: Karen Stanford <kstanford@sianaoil.com> Cc: Tom Ragsdale <tmragsdale@sianaoil.com> Subject: Re: Ibex 10/15 Wells

Here you go.

Mitch

From: Karen Stanford <<u>kstanford@sianaoil.com</u>> Sent: Wednesday, April 17, 2019 12:28 PM To: Mitch Robb Cc: Tom Ragsdale Subject: Re: Ibex 10/15 Wells

Thanks for sending this Mitch - please send the Exhibit A.

Karen

From: Mitch Robb <<u>mrobb@mewbourne.com</u>> Sent: Wednesday, April 17, 2019 8:52:16 AM To: Karen Stanford Cc: Tom Ragsdale Subject: Re: Ibex 10/15 Wells

Karen,

Please see the attached JOA for our Ibex 10/15 Prospect. If y'all decide that this form is acceptable and that you want to sign the JOA, I can send you an amended Exhibit "A" that will be similar to what Peter Way sent you.

Please let me know if you have any questions.

Thanks,

Mitch Robb Landman Mewbourne Oil Company Office: (432) 682-3715 Cell: (918) 200-4242 Email: <u>mrobb@mewbourne.com</u>

From: Karen Stanford <<u>kstanford@sianaoil.com</u>> Sent: Tuesday, April 16, 2019 2:57 PM To: Mitch Robb Cc: Tom Ragsdale Subject: Ibex 10/15 Wells

HI Mitch - thanks for returning my calls today - sorry I missed you.

Would you please send me your proposed JOA for the Ibex 10/15 Wells? Also, I just want to see what your proposal/plan is for the existing JOAs that cover that acreage. Will you modify those JOA's to exclude the E/2 E/2? I assume that will change working interests as well.

I also wanted to ask you again about Tom's NRI on the revenue statements for the Pronghorn CN and BO wells, as well as the Ibex NC. They are still capped at a 75% NRI and Tom's NRI is higher than that. These wells have been producing for about 8 months and we would like the adjustment made as soon as possible.

I will be in Tom's office all afternoon - please call if you have a chance.

Thanks so much,

Karen Stanford

UNITED STATES POSTAL SERVICE

March 21, 2019

Dear Simple Certified:

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| Status Date / Time: | March 21, 2019, 12:10 pm |
| Location: | HOUSTON, TX 77060 |
| Postal Product: | Priority Mail [®] |
| Extra Services: | Certified Mail™ |
| | Return Receipt Electronic |
| | Up to \$50 insurance included |
| Recipient Name: | Tom Ragsdale |
| Shipment Details | |
| Weight: | 1lb, 0.0oz |
| Recipient Signature | |
| Signature of Recipient: | Low SHERMAN |
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> Tom Ragsdale 400 N SAM HOUSTON PKWY E STE 601 HOUSTON, TX 77060 Reference #: IBEX 10 15 B3AP 1H B1AP2H MR Item ID: IBEX 10 15 B3AP 1H B1AP2H

TELEPHONE (432) 682-3715

March 15, 2019

Via Certified Mail

Maverick Oil & Gas Corporation 1001 W Wall St. Midland, TX 79701

Re: Ibex 10/15 B1AP Fed Com #2H 400' FNL & 1010' FEL (SL : Sec. 10) 100' FSI, & 450' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico &

Ibex 10/15 B3AP Fed Com #1H 393' FNL & 1039' FEL (SL : Sec. 10) 100' FSL & 600' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

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Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B1AP Fed Com #2H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,636 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,918 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

In addition, Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B3AP Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 11,266 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 21,533 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our Operating Agreement dated March 1, 2019, along with an extra set of signature pages and our AFEs dated March 8, 2019 for the captioned proposed wells. Please sign and return said AFE and extra set of signature pages at your earliest convenience if you elect to participate in the captioned well and WIU and return to me within thirty (30) days.

Should you have any questions regarding the above, please email me at <u>mrobb@mewbourne.com</u> or call me at (432) 682-3715.

Sincerely,

201-52

Mitch Robb Landman

Re: Ibex 10/15 B1AP Fed Com #2H & Ibex 10/15 B3AP Fed Com #1H

Mitch Robb Tue 4/23/2019 4:57 PM To: Ben Kimbrough <ben@mogc-kec.com>

From: Ben Kimbrough <ben@mogc-kec.com> Sent: Monday, April 22, 2019 3:23 PM To: Mitch Robb Subject: RE: Ibex 10/15 B1AP Fed Com #2H & Ibex 10/15 B3AP Fed Com #1H

From: Mitch Robb <mrobb@mewbourne.com> Sent: Monday, April 22, 2019 3:08 PM To: Ben Kimbrough <ben@mogc-kec.com> Subject: Re: Ibex 10/15 B1AP Fed Com #2H & Ibex 10/15 B3AP Fed Com #1H

More comments below:

From: Ben Kimbrough <<u>ben@mogc-kec.com</u>> Sent: Monday, April 22, 2019 11:14 AM To: Mitch Robb Subject: RE: Ibex 10/15 B1AP Fed Com #2H & Ibex 10/15 B3AP Fed Com #1H

From: Mitch Robb <<u>mrobb@mewbourne.com</u>> Sent: Monday, April 22, 2019 11:02 AM To: Ben Kimbrough <<u>ben@mogc-kec.com</u>> Subject: Re: Ibex 10/15 B1AP Fed Com #2H & Ibex 10/15 B3AP Fed Com #1H

Ben,

I've made my comments on your requests below:

From: Ben Kimbrough <<u>ben@mogc-kec.com</u>> Sent: Monday, April 22, 2019 10:12 AM To: Mitch Robb Subject: RE: lbex 10/15 B1AP Fed Com #2H & lbex 10/15 B3AP Fed Com #1H

Mitch,

We are going to need the following changes in the JOA.

1) Other Provisions, Article XVI:

6/11/2019

Mail - Mitch Robb - Outlook

B. Replacement Exhibit "A" – Exhibit "A" *(is an approximation only)* and may be amended from time to time to reflect re-calculation of interests based upon uncommitted interests, This is the interest that we show based on the title opinion. If the interest changes then that's when this provision would come into effect. If I add "this is an approximation" then we will never have an official WI on the Exhibit "A". All they have been thus far is an approximation. I have discussed this with Mewbourne's legal counsel and they said this is some of the trickiest title Mewbourne has, yet you have sent division orders without the division order title opinion. This seems imprudent (7 months later). We set all the parties up on temp decks and sent out division orders based on the drilling title opinion WI figures. It was either do this or hold everyone in suspense until we had the DOTO rendered. <u>7 months so far for a DOTO</u>. It's complicated title and we are at the will of the attorneys.

C. Needs to be struck in its entirety. There is already an operating agreement in place out here. Mewbourne and Maverick have interest in this tract subject to that agreement. We need this provision because these new wells are two-miles going from Section 10 to Section 15. I used the old JOA's WI to calculate the WI on this JOA but we can't operate these wells under those older JOAs since they cover Sections 10 & 15 separately. I would say that the Old JOA's are modified for these wells only but are not "superseded" considering everyone's contractual interest. I used the contractual interest from the old JOA to calculate the new JOA figures. This just sets up the two-mile contract area for these upcoming wells. You didn't use the contractual interest from the old JOA on the other wells, because our interest is much higher over there. I'm not sure what you're referring to. I used the contractual interests from the drilling title opinion that we have as well as the contractual interest created under the lbex 10 JOA.

 COPAS Overhead, Article III – A (i) and A (ii) need to be covered by overhead rates. Which is Alternative 2 in A (i) and Alternative 1 in A (ii).

A(i) we have always been under Alternative 1. We are tired of getting billed out the butt by all companies' "extra services". All of the other parties are fine with this and we prefer to leave as is. Just because everyone else is OK with being billed in excess doesn't mean we want to be billed that way. Which costs of ours are our being billed in excess for? A(ii) we had Alternative 2 checked in the last Ibex 10 JOA but compromised with Alternative 3 for this one since other parties requested Article 1 as well.

See previous point. We are with the rest of the parties you have mentioned. The other parties are fine with Alternative 3 as a compromise. With these other parties, I typically send the COPAS with Alternative 2 checked and then we settle on Alternative 3. See previous comment. We are in many wells with Mewbourne and are going to be in MANY more with our Nearburg Interest, Kimbrough Interest, L. Summers interest and multiple Maverick entities' interests.

Any news on the other Ibex wells DOTO? Still waiting on the DOTO from our attorney. See 1) B above.

Thanks, Ben Kimbrough Maverick Oil & Gas Corporation (432) 682-2500

From: Ben Kimbrough <<u>ben@mogc-kec.com</u>> Sent: Monday, April 15, 2019 3:07 PM To: 'Mitch Robb' <<u>mrobb@mewbourne.com</u>> Subject: RE: Ibex 10/15 B1AP Fed Com #2H & Ibex 10/15 B3AP Fed Com #1H

Any news on the DOTO?

Ben Kimbrough Maverick Oil & Gas Corporation (432) 682-2500 From: Ben Kimbrough <<u>ben@mogc-kec.com</u>> Sent: Tuesday, March 26, 2019 9:08 AM To: Mitch Robb <<u>mrobb@mewbourne.com</u>> Subject: Re: Ibex 10/15 B1AP Fed Com #2H & Ibex 10/15 B3AP Fed Com #1H

Mitch,

We will sign a JOA, but I'm sure you understand, that we cannot agree to a contractual interest until we have a title opinion. The last JOA we signed didn't show interests.

Thanks, Ben

Sent from my iPhone

On Mar 26, 2019, at 8:16 AM, Mitch Robb <mrobb@mewbourne.com> wrote:

Ben,

Yes, the attorney has all the documents that he needs to render the opinion. I did not list any of Maverick's interest under the uncommitted interest since I believe y'all will sign up under the JOA. The total uncommitted interests are an estimate based on the last JOAs in Sections 10 and 15.

I'll let you know once the opinion comes in.

Thanks,

Mitch Robb Landman Mewbourne Oil Company Office: (432) 682-3715 Cell: (918) 200-4242 Email: <u>mrobb@mewbourne.com</u>

From: Ben Kimbrough <<u>ben@mogc-kec.com</u>> Sent: Thursday, March 21, 2019 4:43 PM To: Mitch Robb Subject: Ibex 10/15 B1AP Fed Com #2H & Ibex 10/15 B3AP Fed Com #1H

Mitch,

Please find attached our election to participate in the subject wells. I cannot sign the JOA and agree to the outlined interest contained within until I receive a DOTO. We have elected to participate in every well Mewbourne has proposed. I see that you have an uncommitted Working Interest section, any of that interest that is ours participated. Has your attorney received all of the documents so he can render his opinion?

Thanks, Ben Kimbrough Maverick Oil & Gas Corporation (432) 682-2500



March 19, 2019

Dear Simple Certified:

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| Status Date / Time: | March 19, 2019, 9:55 am |
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| | Return Receipt Electronic |
| | Up to \$50 insurance included |
| Recipient Name: | Attn Permian Land Manager |
| Shipment Details | |
| Weight: | 2lb, 0.0oz |
| Recipient Signature | |
| Signature of Recipient: | TH H |
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Sincerely, United States Postal Service[®] 475 L'Enfant Plaza SW Washington, D.C. 20260-0004

> Attn: Permian Land Manager Maverick Oll & Gas Corporation 1001 W. Wall Street Midland, TX 79701 Reference #: IBEX 10 15 BIAP 2H B3AP 1H WIU MR Item ID: IBEX 10 15 BIAP 2H B3AP 1H WIU

TELEPHONE (432) 682-3715

March 15, 2019

80

Via Certified Mail

Endeavor Energy Resources, L.P. 110 North Marienfeld Street, Suite 200 Midland, TX 79701

Re: Ibex 10/15 B1AP Fed Com #2H 400' FNL & 1010' FEL (SL : Sec. 10) 100' FSL & 450' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

Ibex 10/15 B3AP Fed Com #1FI 393' FNL & 1039' FEL (SL : Sec. 10) 100' FSL & 600' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280,00 acre Working Interest Unit ("WIU") covering the all of the captioned Sections 10 & 15 for oil and gas production. The targeted intervals for the proposed unit are the Bone Spring and Wolfcamp formations.

Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B1AP Fed Com #2H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,636 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,918 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

In addition, Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B3AP Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 11,266 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 21,533 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our Operating Agreement dated March 1, 2019, along with an extra set of signature pages and our AFEs dated March 8, 2019 for the captioned proposed wells. Please sign and return said AFE and extra set of signature pages at your earliest convenience if you elect to participate in the captioned well and WIU and return to me within thirty (30) days.

Should you have any questions regarding the above, please email me at mrobb@mewbourne.com or call me at (432) 682-3715.

Sincerely,

ZUI-D

Mitch Robb Landman

Re: EER Executed Ibex AFE's - Lea County, NM

Mitch Robb Mon 4/15/2019 10:46 AM To: Kevin Gavigan <KGavigan@eeronline.com> Kevin,

Thanks for sending those over. I am applying for forced pooling soon so if you could get the signed JOA pages in as soon as possible, that would be great.

Mitch Robb

Landman Mewbourne Oil Company Office: (432) 682-3715 Cell: (918) 200-4242 Email: <u>mrobb@mewbourne.com</u>

From: Kevin Gavigan <KGavigan@eeronline.com> Sent: Friday, April 12, 2019 10:09 AM To: Mitch Robb Subject: EER Executed Ibex AFE's - Lea County, NM

Mitch,

Attached are signed AFE's providing for Endeavor's election to participate in the upcoming lbex wells. The originals have been sent in the mail.

I have also received the proposed JOA. Just a head's up, but this is going to take some time to get back to you. I will follow up with any questions.

Thanks, Kevin

Kevin Gavigan, CPL Senior Landman

Endeavor Energy Resources 110 N. Marienfeld St., Suite 200 Midland, TX 79701 Direct: (432) 262-4121 Mobile: (405) 219-0794



Endeavor Energy Resources ^p



March 19, 2019

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number: 9402 8106 9994 5039 3050 40.

| Item Details | |
|-------------------------|---------------------------------|
| Status: | Delivered, Left with Individual |
| Status Date / Time: | March 19, 2019, 11:06 am |
| Location: | MIDLAND, TX 79701 |
| Postal Product: | Priority Mail® |
| Extra Services: | Certified Mail™ |
| | Return Receipt Electronic |
| | Up to \$50 insurance included |
| Recipient Name: | Endeavor Energy Resources LLC |
| Shipment Details | |
| Weight: | 2lb, 0.0oz |
| Recipient Signature | |
| Signature of Recipient: | KOORA |
| Address of Recipient: | 10 PM All |

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> Endeavor Energy Resources, LLC Attn: Permian Land Manager 110 N MARIENFELD ST STE 200 MIDLAND, TX 79701 Reference #: IBEX 10 15 BIAP 2H B3AP 1H WIU MR Item ID: IBEX 10 15 BIAP 2H B3AP 1H WIU

TELEPHONE (432) 682-3715

March 15, 2019

Via Certified Mail

Blanco Holdings I, Ltd. P.O. Box 36530 Houston, TX 77236 Attn: Peter Way

Re: Ibex 10/15 B1AP Fed Com #2H 400' FNL & 1010' FEL (SL : Sec. 10) 100' FSL & 450' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

&c.

Ibex 10/15 B3AP Fed Com #1H 393' FNL & 1039' FEL (SL : Sec. 10) 100" FSL & 600' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280.00 acre Working Interest Unit ("WIU") covering the all of the captioned Sections 10 & 15 for oil and gas production. The targeted intervals for the proposed unit are the Bone Spring and Wolfcamp formations.

Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B1AP Fed Com #2H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,636 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,918 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

In addition, Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B3AP Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 11,266 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 21,533 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our Operating Agreement dated March I, 2019, along with an extra set of signature pages and our AFEs dated March 8, 2019 for the captioned proposed wells. Please sign and return said AFE and extra set of signature pages at your earliest convenience if you elect to participate in the captioned well and WIU and return to me within thirty (30) days.

Should you have any questions regarding the above, please email me at <u>mrobb@mewhourne.com</u> or call me at (432) 682-3715.

Sincerely,

ZZA R

Mitch Robb Landman

RE: Ibex 10/15 - Well Proposals

Peter Way pway@wayholding.com>
Tue 4/2/2019 10:33 AM
To: Mitch Robb <mrobb@mewbourne.com>

Cc: Karen Stanford <karenstanford@yahoo.com>

Mitch,

I asked Karen Stanford to look at them in light of some of the discussions she has had with Mewbourne on their JOA's and advise me on them. I am waiting to hear back from her. Peter

From: Mitch Robb <mrobb@mewbourne.com> Sent: Tuesday, April 02, 2019 10:24 AM To: Peter Way <pway@wayholding.com> Subject: Ibex 10/15 - Well Proposals

Hey Peter,

I received Blanco's signed AFEs for the Ibex 10/15 wells and wanted to see if you had any questions on the Joint Operating Agreement (covering all of Sections 10&15-T23S-R34E, Lea County, NM) that I sent with the well proposals.

I'll need the original singed JOA pages whenever you get a chance. Please let me know if you have any questions.

Thanks,

Mitch Robb Landman Mewbourne Oil Company Office: (432) 682-3715 Cell: (918) 200-4242 Email: mrobb@mewbourne.com

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March 20, 2019

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number: 9402 8106 9994 5039 3052 79.

Item Details Delivered, Left with Individual Status: Status Date / Time: March 20, 2019, 4:07 pm Location: HOUSTON, TX 77074 Priority Mail® Postal Product: Certified Mail™ Extra Services: Return Receipt Electronic Up to \$50 insurance included **Recipient Name:** Blanco Holdings I Ltd Shipment Details 2lb, 0.0oz Weight: Recipient Signature Signature of Recipient: Address of Recipient:

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> Blanco Holdings I, Ltd. po box 36530 Houston, TX 77236 Reference #: IBEX 10 15 BIAP 2H B3AP 1H WIU MR Item ID: IBEX 10 15 BIAP 2H B3AP 1H WIU

MEWBOURNE OIL COMPANY

FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715

March 15, 2019

Via Certified Mail

Marathon Oil Permian LLC 5555 San Felipe St. Houston, TX 77056 Attn: Matt Brown

Re: Ibex 10/15 B1AP Fed Com #2H 400' FNL & 1010' FEL (SL : Sec. 10) 100' FSL & 450' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico 80

Ibex 10/15 B3AP Fed Com #1H 393' FNL & 1039' FEL (SL : Sec. 10) 100' FSL & 600' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280.00 acre Working Interest Unit ("WIU") covering the all of the captioned Sections 10 & 15 for oil and gas production. The targeted intervals for the proposed unit are the Bone Spring and Wolfcamp formations.

Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B1AP Fed Com #2H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,636 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,918 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

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Regarding the above, enclosed for your further handling is our Operating Agreement dated March 1, 2019, along with an extra set of signature pages and our AFEs dated March 8, 2019 for the captioned proposed wells. Please sign and return said AFE and extra set of signature pages at your earliest convenience if you elect to participate in the captioned well and WIU and return to me within thirty (30) days.

Should you have any questions regarding the above, please email me at <u>mrobb@mewbourne.com</u> or call me at (432) 682-3715.

Sincerely,

Pur-P---

Mitch Robb Landman



March 20, 2019

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number: 9402 8106 9994 5039 3047 39.

| Item Details | |
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| Status: | Delivered, Front Desk/Reception/Mail Room |
| Status Date / Time: | March 20, 2019, 2:03 pm |
| Location: | HOUSTON, TX 77056 |
| Postal Product: | Priority Mail [®] |
| Extra Services: | Certified Mail™ |
| | Return Receipt Electronic |
| | Up to \$50 insurance included |
| Recipient Name: | Attn Matt Brown |
| Shipment Details | |
| Weight: | 2lb, 0.0oz |
| Recipient Signature | |
| Signature of Recipient: | Tabl |
| Address of Recipient: | 5555 SHAL FEGAE |

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> Altn: Matt Brown Marathon Oll Company 5555 SAN FELIPE ST HOUSTON, TX 77056 Reference #: IBEX 10 15 BIAP 2H B3AP 1H WIU MR Item ID: IBEX 10 15 BIAP 2H B3AP 1H WIU MR

TELEPHONE (432) 682-3715

March 15, 2019

Via Certified Mail

Noel and Elizabeth Workman 181 Carpenter Circle Sewanee, TN 37375

Re: Ibex 10/15 B1AP Fed Com #2H
 400' FNL & 1010' FEL (SL : Sec. 10)
 100' FSL & 450' FEL (BHL : Sec. 15)
 Sections 10/15, T23S, R34E
 Lea County, New Mexico

80

Ibex 10/15 B3AP Fed Com #1H 393' FNL & 1039' FEL (SL : Sec. 10) 100' FSL & 600' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280.00 acre Working Interest Unit ("WIU") covering the all of the captioned Sections 10 & 15 for oil and gas production. The targeted intervals for the proposed unit are the Bone Spring and Wolfcamp formations.

Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B1AP Fed Com #2H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,636 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,918 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

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Regarding the above, enclosed for your further handling are our AFEs dated March 8, 2019 for the captioned proposed wells. Please sign and return said AFEs at your earliest convenience if you elect to participate in the captioned wells and WIU and return to me within thirty (30) days.

Should you elect to participate under a Joint Operating Agreement ("JOA"), a copy of our JOA follow under a separate cover letter for your further handling and review in the near future.

Should you have any questions regarding the above, please email me at <u>mrobb@mewbourne.com</u> or call me at (432) 682-3715.

Sincerely,

24-2-

Mitch Robb Landman

TELEPHONE (432) 682-3715

April 17, 2019

Via Certified Mail

Noel and Elizabeth Workman 488 Alexian Way, Apt. 108 Signal Mountain, TN 37377

Re: Ibex 10/15 B1AP Fed Com #2H 400' FNL & 1010' FEL (SL : Sec. 10) 100' FSL & 450' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

& Ibex 10/15 B3AP Fed Com #1H
 393' FNL & 1039' FEL (SL : Sec. 10)
 100' FSL & 600' FEL (BHL : Sec. 15)
 Sections 10/15, T23S, R34E
 Lea County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280.00 acre Working. Interest Unit ("WILP") covering the all of the captioned Sections 10 & 15 for oil and gas production. The targeted intervals for the proposed unit are the Bone Spring and Wolfcamp formations.

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Should you have any questions regarding the above, please email me at mrobb@mewbourne.com or call me at (432) 682-3715.

Sincerely,

211-2-

Mitch Robb Landman



.

MEWBOURNE OIL COMPANY

FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715

March 15, 2019

Via Certified Mail

P W Production, Inc. 15 E 5th St Suite 1000 Tulsa, OK 74103 Attn: Land Department

Re: Ibex 10/15 B1AP Fed Com #2H 400' FNL & 1010' FEL (SL : Sec. 10) 100' FSL & 450' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico 38

Ibex 10/15 B3AP Fed Com #1H 393' FNL & 1039' FEL (SL : Sec. 10) 100' FSL & 600' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

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Should you have any questions regarding the above, please email me at <u>mrobb@mcwbourne.com</u> or call me at (432) 682-3715.

Sincerely,

ZUL-D-

Mitch Robb Landman



March 25, 2019

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number: 9414 8106 9994 5039 3367 66.

| Item Details | |
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| Status: | Delivered, Individual Picked Up at Postal Facility |
| Status Date / Time: | March 25, 2019, 5:08 am |
| Location: | TULSA, OK 74103 |
| Postal Product: | First-Class Mail [®] |
| Extra Services: | Certified Mail™ |
| | Return Receipt Electronic |
| Recipient Name: | P W Production Inc |
| Shipment Details | |
| Weight: | 1.0oz |
| Recipient Signature | |
| Signature of Recipient: | The letter and the state |
| Address of Recipient: | HI HIMINI 4 MY Son AN POWA |

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> P W Production Inc 15 E 15TH ST STE 1000 TULSA, OK 74119 Reference #: IBEX 10 15 B1AP 2H B3AP 1H MR Item ID: IBEX 10 15 B1AP 2H B3AP 1H

TELEPHONE (432) 682-3715

March 15, 2019

82

Via Certified Mail

Charles C. Albright, III, Trustee 729 W. 16th Street, Suite B8 Costa Mesa, CA 92627

Re: Ibex 10/15 B1AP Fed Com #2H
 400' FNL & 1010' FEL (SL : Sec. 10)
 100' FSL & 450' FEL (BHL : Sec. 15)
 Sections 10/15, T23S, R34E
 Lea County, New Mexico

Ibex 10/15 B3AP Fed Com #1H 393' FNL & 1039' FEL (SL : Sec. 10) 100' FSL & 600' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

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Sincerely,

ZUI_R_

Mitch Robb Landman

6/11/2019

| Recipient Name: | Charles C. Albright, III Trustee |
|------------------|----------------------------------|
| Company: | |
| Address 1: | 729 W 16TH ST STE B8 |
| Address 2: | |
| City: | COSTA MESA |
| State: | CA |
| Zip: | 92627 |
| Date Sent: | 3/19/2019 4:56 PM |
| Tracking Number: | 9414810699945039341562 |
| Last Status: | In Transit |

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TELEPHONE (432) 682-3715

March 15, 2019

80

Via Certified Mail

Douglas A. Tatum, P.C. 17480 Dallas Parkway Dallas, TX 75287

Re: Ibex 10/15 B1AP Fed Com #2H 400' FNL & 1010' FEL (SL : Sec. 10) 100' FSL & 450' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

Ibex 10/15 B3AP Fed Com #1H 393' FNL & 1039' FEL (SL : Sec. 10) 100' FSL & 600' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

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Should you have any questions regarding the above, please email me at mrobb@mewbourne.com or call me at (432) 682-3715.

Sincerely,

ZUZ_

Mitch Robb Landman

Atts d(20'19 500 W TEXAS AVE STE 1020 MIDLAND TX 79701-4279 Mitch Robb IBEX 10 15 B1AP 2H B3AP 1H 1 $\begin{array}{c} (\underline{\mathcal{I}}_{\mathcal{Q}}) \\ (\underline{\mathcal{I}}_{\mathcal{Q}}) \\ (\underline{\mathcal{I}}_{\mathcal{Q}}) \end{array}$ hindininina interaction in a second and in the second seco Douglas A. Tatum 17480 DALLAS PKWY DALLAS TX 75287-7337 9414 8106 9994 5039 3362 85 USPS CERTIFIED MAIL 1972 FIRST-CLASS Mar 19 2019 Mailed from ZIP 79701 1 oz First-Class Mail Letter INSUPPICIENT ADDRESS NUMABLE TO FORMARD CID: 55133 US POSTAGE AND FEES PAID 110 1 200 Er HI 34 071S00534813 siolone @ 00000/00/100 A

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TELEPHONE (432) 682-3715

March 15, 2019

80

Via Certified Mail

Boerne Land & Cattle Company, Inc. PO BOX 63869 PIPE CREEK TX 78063-3869

Re: Ibex 10/15 B1AP Fed Com #2H 400' FNL & 1010' FEL (SL : Sec. 10) 100' FSL & 450' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

Ibex 10/15 B3AP Fed Com #1H 393' FNL & 1039' FEL (SL : Sec. 10) 100' FSL & 600' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280.00 acre Working Interest Unit ("WIU") covering the all of the captioned Sections 10 & 15 for oil and gas production. The targeted intervals for the proposed unit are the Bone Spring and Wolfcamp formations.

Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B1AP Fed Com #2H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,636 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,918 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

In addition, Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B3AP Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 11,266 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 21,533 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling are our AFEs dated March 8, 2019 for the captioned proposed wells. Please sign and return said AFEs at your earliest convenience if you elect to participate in the captioned wells and WIU and return to me within thirty (30) days.

Should you elect to participate under a Joint Operating Agreement ("JOA"), a copy of our JOA follow under a separate cover letter for your further handling and review.

Should you have any questions regarding the above, please email me at mrobb@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Zzz D

Mitch Robb Landman

TELEPHONE (432) 682-3715

March 15, 2019

80

Via Certified Mail

Boerne Land & Cattle Company, Inc. 17 Herff Road Boerne, TX 78006

Re: Ibex 10/15 B1AP Fed Com #2H
 400' FNL & 1010' FEL (SL : Sec. 10)
 100' FSL & 450' FEL (BHL : Sec. 15)
 Sections 10/15, T23S, R34E
 Lea County, New Mexico

Ibex 10/15 B3AP Fed Com #1H 393' FNL & 1039' FEL (SL : Sec. 10) 100' FSL & 600' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280.00 acre Working Interest Unit ("WIU") covering the all of the captioned Sections 10 & 15 for oil and gas production. The targeted intervals for the proposed unit are the Bone Spring and Wolfcamp formations.

Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B1AP Fed Com #2H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,636 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,918 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

In addition, Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B3AP Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 11,266 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 21,533 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling are our AFEs dated March 8, 2019 for the captioned proposed wells. Please sign and return said AFEs at your earliest convenience if you elect to participate in the captioned wells and WIU and return to me within thirty (30) days.

Should you elect to participate under a Joint Operating Agreement ("JOA"), a copy of our JOA follow under a separate cover letter for your further handling and review in the near future.

Should you have any questions regarding the above, please email me at <u>mrobb@mewbourne.com</u> or call me at (432) 682-3715.

Sincerely,

ZUS

Mitch Robb Landman



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MEWBOURNE OIL COMPANY

FASKEN CENTER 500 WEST TEXAS, SUITE |020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715

March 15, 2019

80

Via Certified Mail

Landis Drilling Co. P.O. Box 994 Midland, Texas 79701 Attn: Land Department

Re: Ibex 10/15 B1AP Fed Com #2H 400' FNL & 1010' FEL (SL : Sec. 10) 100' FSL & 450' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico Ibex 10/15 B3AP Fed Com #1H 393' FNL & 1039' FEL (SL : Sec. 10) 100' FSL & 600' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280.00 acre Working Interest Unit ("WIU") covering the all of the captioned Sections 10 & 15 for oil and gas production. The targeted intervals for the proposed unit are the Bone Spring and Wolfcamp formations.

Mewbourne as Operator hereby proposes to drill the captioned lbex 10/15 B1AP Fed Com #2H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,636 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,918 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

In addition, Mewbourne as Operator hereby proposes to drill the captioned lbex 10/15 B3AP Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 11,266 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 21,533 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling are our AFEs dated March 8, 2019 for the captioned proposed wells. Please sign and return said AFEs at your earliest convenience if you elect to participate in the captioned wells and WIU and return to me within thirty (30) days.

Should you elect to participate under a Joint Operating Agreement ("JOA"), a copy of our JOA follow under a separate cover letter for your further handling and review in the near future.

Should you have any questions regarding the above, please email me at <u>mrobb@mewbourne.com</u> or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Zur-sp-

Mitch Robb Landman



TELEPHONE (432) 682-3715

March 15, 2019

8

Via Certified Mail

Energy Investors 1987, L.P. 633 17th Street, Suite 2390-N Denver, CO 80202

Re: Ibex 10/15 B1AP Fed Com #2H 400' FNL & 1010' FEL (SL : Sec. 10) 100' FSL & 450' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico Ibex 10/15 B3AP Fed Com #1H 393' FNL & 1039' FEL (SL : Sec. 10) 100' FSL & 600' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280.00 acre Working Interest Unit ("WIU") covering the all of the captioned Sections 10 & 15 for oil and gas production. The targeted intervals for the proposed unit are the Bone Spring and Wolfcamp formations.

Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B1AP Fed Com #2H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,636 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,918 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

In addition, Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B3AP Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 11,266 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 21,533 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling are our AFEs dated March 8, 2019 for the captioned proposed wells. Please sign and return said AFEs at your earliest convenience if you elect to participate in the captioned wells and WIU and return to me within thirty (30) days.

Should you elect to participate under a Joint Operating Agreement ("JOA"), a copy of our JOA follow under a separate cover letter for your further handling and review in the near future.

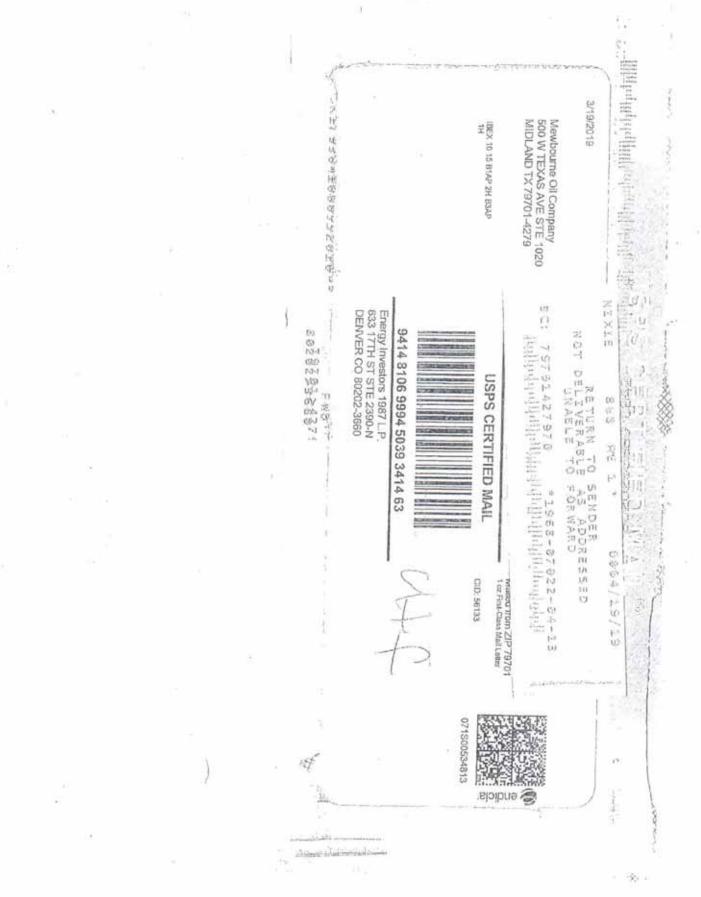
Should you have any questions regarding the above, please email me at <u>mrobb@mewbourne.com</u> or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

ZUI D

Mitch Robb Landman



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TELEPHONE (432) 682-3715

March 15, 2019

Via Certified Muil

Phoebe Tompkins c/o Andy Tompkins 955 Dutch Road Fairview PA 16415

Re: Ibex 10/15 B1AP Fed Com #2H 400' FNL & 1010' FEL (SL : Sec. 10) 100' FSL & 450' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico 8z.

Ibex 10/15 B3AP Fed Com #1H 393' FNL & 1039' FEL (SL : Sec. 10) 100' FSL & 600' FEL (BHL : Sec. 15) Sections 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 1280.00 acre Working Interest Unit ("WIU") covering the all of the captioned Sections 10 & 15 for oil and gas production. The targeted intervals for the proposed unit are the Bone Spring and Wolfcamp formations.

Mewbourne as Operator hereby proposes to drill the captioned lbex 10/15 B1AP Fed Com #2H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,636 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 19,918 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

In addition, Mewbourne as Operator hereby proposes to drill the captioned Ibex 10/15 B3AP Fed Com #1H well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 11,266 feet subsurface to evaluate the Bone Spring Formation. The proposed well will have a measured depth (MD) of approximately 21,533 feet. The E/2E/2 of the captioned Sections 10 & 15 will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling is our Operating Agreement dated March 1, 2019, along with an extra set of signature pages and our AFEs dated March 8, 2019 for the captioned proposed wells. Please sign and return said AFE and extra set of signature pages at your earliest convenience if you elect to participate in the captioned well and WIU and return to me within thirty (30) days.

Should you have any questions regarding the above, please email me at <u>mrobb@mewbourne.com</u> or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Zer-Da-

Mitch Robb Landman



March 20, 2019

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number: 9402 8106 9994 5039 3120 00.

| Item Details | |
|-------------------------|---------------------------------|
| Status: | Delivered |
| Status Date / Time: | March 20, 2019, 3:29 pm |
| Location: | FAIRVIEW, PA 16415 |
| Postal Product: | Priority Mail* |
| Extra Services: | Certified Mail™ |
| | Return Receipt Electronic |
| | Up to \$50 insurance included |
| Recipient Name: | phoebe tompkins |
| Shipment Details | |
| Weight: | 2ib, 0.0oz |
| Recipient Signature | |
| Signature of Recipient: | Calca Imphires Calor Tom Val |
| | Caller Tomo Wal |
| Address of Recipient: | fiss Judi DJ |
| | fact M Mr |

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service[®] for your mailing needs. If you require additional assistance, please contact your local Post Office[™] or a Postal representative at 1-800-222-1811.

Sincerely, United States Postal Service[®] 475 L'Enfant Plaza SW Washington, D.C. 20260-0004

> phoeba lompkins 955 DUTCH RD FAIRVIEW, PA 16415 Reference #: IBEX 10 15 BIAP 2H B3AP 1H WIU MR Item ID: IBEX 10 15 BIAP 2H B3AP 1H WIU

MEWBOURNE OIL COMPANY FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715

March 13, 2018

Via Certified Mail

LRF Limited Partnership 1300 America 1st Tower Oklahoma City, OK 73102

> Re: Ibex 10/15 B3AP Fed Com #1H Ibex 10/15 B1AP Fed Com #2H Section 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Enclosed for your further handling is our proposed Communitization Agreement dated March 1, 2019 covering the captioned land and a set of extra signature/notary pages of same. This agreement communitizes the leases covering the captioned land for Bone Spring production. The captioned Ibex 10/15 B3AP Fed Com #1H and Ibex 10/15 B1AP Fed Com #2H are horizontal wells with the E/2E/2 of the captioned Section 10 and Section 15 being dedicated to the well as the proration unit.

In reference to the above, please have the agreement executed and return only the extra set of signature/notary pages to me for further handling. Please retain the copy of the Communitization Agreement for your file.

Should you have any questions regarding the above, please email me at mrobb@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

727-72-

Mitch Robb Landman



March 21, 2019

Dear Simple Certified:

The following is in response to your request for proof of delivery on your item with the tracking number: 9402 8106 9994 5039 3339 75.

| Item Details | |
|-------------------------|--|
| Status: | Delivered, To Agent |
| Status Date / Time: | March 21, 2019, 9:20 am |
| Location: | OKLAHOMA CITY, OK 73102 |
| Postal Product: | Priority Mail [®] |
| Extra Services: | Certified Mail™ |
| | Return Receipt Electronic |
| | Up to \$50 insurance included |
| Recipient Name: | LRF Limited Partnership |
| Shipment Details | the state of the s |
| Weight: | 11b, 0.0oz |
| Recipient Signature | |
| Signature of Recipient: | That the company |
| Address of Recipient: | A AC IN ANY ANY ANY ANY ANY ANY ANY ANY ANY AN |

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service[®] for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely, United States Postal Service® 475 L'Enfant Plaza SW Washington, D.C. 20260-0004

> LRF Limited Partnership 1300 America 1st Tower Oklahoma City, OK 73102 Reference #: IBEX 10 15 B3AP 1H B1AP2H MR Item ID: IBEX 10 15 B3AP 1H B1AP2H

MEWBOURNE OIL COMPANY FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715

March 13, 2018

Via Certified Mail

Joan M. Moore, Independent Executrix of the Estate of Larry Moore, deceased 3602 Cedar Elm Ln. Wichita Falls, TX 76308

> Re: Ibex 10/15 B3AP Fed Com #1H Ibex 10/15 B1AP Fed Com #2H Section 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Enclosed for your further handling is our proposed Communitization Agreement dated March 1, 2019 covering the captioned land and a set of extra signature/notary pages of same. This agreement communitizes the leases covering the captioned land for Bone Spring production. The captioned Ibex 10/15 B3AP Fed Com #1H and Ibex 10/15 B1AP Fed Com #2H are horizontal wells with the E/2E/2 of the captioned Section 10 and Section 15 being dedicated to the well as the proration unit.

In reference to the above, please have the agreement executed and return only the extra set of signature/notary pages to me for further handling. Please retain the copy of the Communitization Agreement for your file.

Should you have any questions regarding the above, please email me at <u>mrobb@mewbourne.com</u> or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

221-12-

Mitch Robb Landman



Amona.







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MEWBOURNE OIL COMPANY FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715

March 13, 2018

Via Certified Mail

Estoril Producing Corporation 400 W. Texas Ave, Midland, TX 79701

> Re: Ibex 10/15 B3AP Fed Com #1H Ibex 10/15 B1AP Fed Com #2H Section 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Enclosed for your further handling is our proposed Communitization Agreement dated March 1, 2019 covering the captioned land and a set of extra signature/notary pages of same. This agreement communitizes the leases covering the captioned land for Bone Spring production. The captioned Ibex 10/15 B3AP Fed Com #1H and Ibex 10/15 B1AP Fed Com #2H are horizontal wells with the E/2E/2 of the captioned Section 10 and Section 15 being dedicated to the well as the proration unit.

In reference to the above, please have the agreement executed and return only the extra set of signature/notary pages to me for further handling. Please retain the copy of the Communitization Agreement for your file.

Should you have any questions regarding the above, please email me at mrobb@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

201-12-

Mitch Robb Landman



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MEWBOURNE OIL COMPANY FASKEN CENTER 500 WEST TEXAR, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715

March 13, 2018

Via Certified Mail

Chessie Exploration, Inc. P.O. Box 2960 Midland, TX 79702

> Re: Ibex 10/15 B3AP Fed Com #1H Ibex 10/15 B1AP Fed Com #2H Section 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Enclosed for your further handling is our proposed Communitization Agreement dated March 1, 2019 covering the captioned land and a set of extra signature/notary pages of same. This agreement communitizes the leases covering the captioned land for Bone Spring production. The captioned lbex 10/15 B3AP Fed Com #1H and Ibex 10/15 B1AP Fed Com #2H are horizontal wells with the E/2E/2 of the captioned Section 10 and Section 15 being dedicated to the well as the proration unit.

In reference to the above, please have the agreement executed and return only the extra set of signature/notary pages to me for further handling. Please retain the copy of the Communitization Agreement for your file.

Should you have any questions regarding the above, please email me at mrobb@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

MI-P-

Mitch Robb Landman



MEWBOURNE OIL COMPANY FASKEN CENTER 500 WEST TEXAS, SUITE 1020 MIDLAND, TX 79701

TELEPHONE (432) 682-3715

March 13, 2018

Via Certified Mail

ACF Petroleum Company 1370 Avenue of the Americas New York, NY 10019

> Re: Ibex 10/15 B3AP Fed Com #1H Ibex 10/15 B1AP Fed Com #2H Section 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Enclosed for your further handling is our proposed Communitization Agreement dated March 1, 2019 covering the captioned land and a set of extra signature/notary pages of same. This agreement communitizes the leases covering the captioned land for Bone Spring production. The captioned lbex 10/15 B3AP Fed Com #1H and Ibex 10/15 B1AP Fed Com #2H are horizontal wells with the E/2E/2 of the captioned Section 10 and Section 15 being dedicated to the well as the proration unit.

In reference to the above, please have the agreement executed and return only the extra set of signature/notary pages to me for further handling. Please retain the copy of the Communitization Agreement for your file.

Should you have any questions regarding the above, please email me at mrobb@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

201-2-

Mitch Robb Landman





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| | The second second | ne Springs | | _ |
|--|-------------------|--------------------------------------|-----------------------------|-----------------------|
| | ounty: Lea | | | ST: NM |
| Sec. 10, 15 Bik: Survey: TWP: 23S | RNG: | ME Prop. TV | D: 9636 | TMD: 19918 |
| INTANGIBLE COSTS 0100 | CODE | TCP | CODE | cc |
| Regulatory Permits & Surveys | 0180-0100 | COMPANY OF THE PARTY OF THE PARTY OF | 0180-0200 | |
| ocation / Road / Site / Preparation | 0160-0105 | \$85,000 | 0180-0205 | \$25,0 |
| .ocation / Restoration Jaywork / Turnkey / Footage Drilling 30 days drig / 4 days comp @ \$18,500/d | 0160-0106 | | 0180-0206 | \$30,0 |
| Jaywork / Turnkey / Footage Drilling 30 days drig / 4 days comp @ \$18,500/d uel 1700 gal/day @ 2.74/gal | 0180-0110 | | 0180-0210 | \$79,0 |
| Aud, Chemical & Additives | 0180-0114 | | 0180-0214 | \$420,0 |
| Iorizontal Onligut Services | 0160-0120 | \$225,000 | - Contraction of the second | P.050 0 |
| Cemenling | 0180-0125 | \$100,000 | 0180-0222 | \$250,0 |
| ogging & Wireline Services | 0180-0130 | | 0180-0225 | \$30,0 |
| Lasing / Tubing / Snubbing Service | D160-0134 | \$20,000 | | \$90,00 |
| Aud Logging | 0100-0137 | \$30,000 | | #10010 |
| Himulation 52 Sig 20.2 MM gal / 20.2 MM Ib | | | 0180-0241 | \$2,500,00 |
| Rimulation Rentals & Other Vater & Other | | | 0180-0242 | \$200,00 |
| Valer & Unier | 0180-0145 | | D180-0245 | \$880,00 |
| na. Ispection & Repair Services | 0180-0148 | | 0180-0246 | \$0,00 |
| lise. Air & Pumping Services | 0180-0150 | \$40,000 | 0100-0250 | \$5,00 |
| esting & Flowback Services | 0180-0154 | | 0180 0254 | \$10,00 |
| ompletion / Workover Rig | 0180-0158 | \$15,000 | 0180-0258 | \$30,00 |
| ig Mobilization | 0180-0164 | \$150,000 | 0180-0260 | \$10,50 |
| ransportation | 0180-0165 | | 0180-0265 | \$20,00 |
| /elding Services | 0160-0168 | | 0180-0268 | \$15,00 |
| ontract Services & Supervision | 0180-0170 | | 0180-0270 | \$86,00 |
| Prectional Services Includes Vertical Control | 0160-0175 | \$294,000 | | |
| quipment Rontal | 0150-0160 | \$256,900 | 0180-0280 | \$30,00 |
| /eli / Leaso Legal | 0160-0184 | \$5,000 | 0180-0254 | |
| fell / Lease Insurance Langible Supplies | 0180-0185 | | 01#0.0285 | |
| amagicais supports amagics | 0100-0185 | \$8,000 | 0180-0268 | \$10,00 |
| OW & Easemonts | 0180-0190 | \$5,000 | 0180-0299 | |
| petine Interconnect | 0180-0192 | | 0180-0392 | \$4,00 |
| ompany Supervision | oren nuez | 2450 400 | 0180-0293 | |
| verhead Fixed Rate | 0160-0195 | | 0180-0295 | \$115,20 |
| fell Abandonment | 0160-0199 | \$10,000 | 0180-0298 | \$20,00 |
| onlingencies 2% (TCP) 2% (CC) | 0160-0199 | \$50,800 | 0180-0200 | \$104,80 |
| TOTAL | | \$2,592,900 | and sken | \$5,342,50 |
| TANGIBLE COSTS 0181 | T | - Contraction of the | | 4.010.1414.0 |
| ising (19.1" - 30") | 0101-0793 | | | |
| asing (10.1" - 19.0") 1950' - 13 3/8" 54.5# J-55 ST&C @ \$42,99/1 | 0181-0794 | \$89,600 | | |
| ising (8.1" - 10.0") 4900' - 9 5/8" 40# L80 LT&C @ \$34.73/ft | 0181-0795 | \$181,800 | | |
| ating (6.1" - 8.0") 0950' - 7" 26# HCP-110 LT&C db \$24.43/8 | 0181-0706 | \$259,700 | | |
| using (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$14,94/It | | | 0181-0707 | \$171,30 |
| bing 9175' - 2 7/8" 6.5# L-80 EUE 8rd @ \$5.74/IL | | | 0161-0700 | \$56,30 |
| sling Head | 0181-0860 | \$40,000 | a | |
| Ibing Head & Upper Section Irizontal Completion Tools Consoletion Liner Happer | | | 0181-0870 | \$30,00 |
| rrizontal Completion Tools Completion Liner Hanger Icker Rods | | | 0181-0871 | \$70,00 |
| bourface Equipment | | _ | 0181-0875 | |
| ulicial Ult Systems Gas Lilt Valves & pkr | | | 0181-0880 | 202.000 |
| mping Unit | | | 0161-0885 | \$25,000 |
| rface Pumps & Prime Movers (1/2) VRU/SWD pump/circ pump | | | 0181-0886 | \$25,00 |
| nks - Oil (1/2) 6 - 750 bbt | | | 0181-0690 | \$20,000 |
| nks - Water (1/2) 5 - 750 bbl coated | | | 0181-0891 | \$57,500 |
| paration / Treating Equipment 30"x10'x1k#/3 pt/36"x15'x1k#/Gun bb/VRT | | | 0101-0095 | \$67,50 |
| ater Treaters, Line Heaters 81x201x75# HT | | | 0181-0697 | \$27,000 |
| tering Equipment | | | 0181-0898 | \$14,000 |
| e Pipe & Valves - Gathering (1/2) 1.30 Mile 4" Wtr Ings / Valves & Accessories | | | 0181-0900 | \$19,000 |
| Indic Protection | | | 0181-0500 | \$100,000 |
| cirical Installation Automation, Battery power, power line, location included | | | 0181-0906 | \$8,000 |
| upment Installation | | | 0181-0905 | \$250,000 |
| aline Construction (1/2) 1.30 Mile 4" Wtr | | | 0181-0910 | \$50,000 |
| | | | a to hoard | \$10,000 |
| TOTAL | | \$571,100 | | \$1,037,600 |
| SUBTOTAL | | \$3,164,000 | | \$6,380,100 |
| TOTAL WELL COST | | \$0.F | 4,100 | and the second second |
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| I step of the pointhase my own well control insurance palley. Iter box is observed above, non-operating moduling bisered owner elects to be covered by Operator's well control i Prepared by: P. Hrublicek Orde: | 3/8/2019 | | | |
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MEWBOURNE OIL COMPANY AUTHORIZATION FOR EXPENDITURE



File: Ibex 10-15 II1AP Fed Com #2H AFE.xisx

| TGP \$20,00 \$45,00 \$200,00 \$200,00 \$200,00 \$100,00 \$2,00 \$200,00 \$300,00 \$300,00 \$40,00 \$40,00 \$150,00 \$30,00 \$52,50 \$315,00 \$315,00 \$315,00 \$315,00 \$315,00 \$315,00 \$315,00 \$315,00 \$315,00 \$315,00 \$315,00 \$315,00 \$315,00 \$315,00 \$350,000\$\$350,000\$\$\$350,000\$\$\$350,0 | CCDE 00 0100-0200 00 0180-0205 00 0180-0205 00 0180-0205 00 0180-0225 00 0180-0225 00 0180-0225 00 0180-0225 00 0180-0225 0180-0241 0180-0245 0180-0245 0180-0245 0180-0258 00000000000000000000000000000000000 | \$25,0 \$30,0 \$79,0 \$420,0 \$250,0 \$30,0 \$300,0 \$390,0 \$2,505,0 \$2200,0 \$2200,0 \$390,0 \$2200,0 \$390,0 \$300,0 \$ |
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| TCP \$20,04 \$85,00 \$200,00 \$200,00 \$100,00 \$100,00 \$100,00 \$100,00 \$100,00 \$100,00 \$100,00 \$100,00 \$100,00 \$15,000 \$15,000 \$15,000 \$15,000 \$22,50 \$315,000 \$35,0000 \$35,0000 \$35,0000 \$35,0000 \$35,0000 \$35,0000 \$35,00000 \$35,00000 \$35,000000000000000000000000000000000000 | CCDE 00 0100-0200 00 0180-0205 00 0180-0205 00 0180-0205 00 0180-0225 00 0180-0225 00 0180-0225 00 0180-0225 00 0180-0225 0180-0241 0180-0245 0180-0245 0180-0245 0180-0258 00000000000000000000000000000000000 | CC \$25,0 \$30,0 \$70,0 \$420,0 \$2250,0 \$30,0 \$390,0 \$90,0 |
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| \$52,200 | 0 0185-0299 | \$104,40 |
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| \$89,600 | | |
| \$181,800 | | |
| \$333,300 | | |
| | 6181-0797 | \$171,30 |
| \$40,000 | 0101-0790 | \$65,30 |
| 940,000 | 0181-0670 | \$30,00 |
| | 0181-0671 | \$70,00 |
| | 0181-0675 | |
| | 0181-0890 | |
| | 0181-0884 | \$25,00 |
| | 0181-0885 | |
| | 0181-0886 | \$25,00 |
| | 0181-0690 | \$57,00 |
| | 0181-0891 | \$57,50 |
| | 0181-0897 | \$27,00 |
| | 0181-0998 | \$14,00 |
| | 0181-0900 | \$19,00 |
| | 0161-0006 | \$100,00 |
| | 0181-0908 | \$8,00 |
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| | | \$1,047,60 |
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| \$9.6 | 81,600 | |
| | \$3,308,100 \$9,6 | 0181-0900 |

MEWBOURNE OIL COMPANY

File: Ibex 10-15 B3AP Fed Com #1H AFE xdsx

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

APPLICATION OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

Case No. 20580

VERIFIED STATEMENT OF JORDAN CARRELL

COUNTY OF MIDLAND

STATE OF TEXAS

)) ss.

Jordan Carrell, being duly sworn upon his oath, deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.

2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in this case. I have been qualified by the Division as an expert petroleum geologist.

3. The following geological plats are attached hereto:

(a) Attachment A is a structure map of the Bone Spring formation, on the top of the Third Bone Spring Sand. It shows that structure is relatively flat north to south and dips to the east and west, and that the planned wellbore would drill along strike. It also shows a line of cross-section, A-A'.

(b) Attachment B is a gross sand isopach of the Third Bone Spring Sand, the test zone for the proposed Ibex 10/15 B3AP Fed Com. Well No. 1H. It shows that the target sand across the well unit has a uniform thickness of approximately 300-330 feet.

(c) Attachment C is a stratigraphic cross section with well logs on the cross-section that give a representative sample of the Bone Spring formation in this area. The target zone for the Ibex 10/15 B3AP Fed Com. Well No. 1H is labeled as the Third Bone Spring Sand, showing the zone is continuous across the well unit.

(d) Attachment d is a gross sand isopach of the First Bone Spring Sand, the test zone for the proposed Ibex 10/15 B1AP Fed Com. Well No. 2H. It shows that the target sand across the well unit has a uniform thickness of approximately 215-230 feet.

(e) Attachment E is a stratigraphic cross section with well logs on the cross-section that give a representative sample of the Bone Spring formation in this area. The target zone



for the Ibex 10/15 B1AP Fed Com. Well No. 2H is labeled as the First Bone Spring Sand, showing the zone is continuous across the well unit.

I conclude from the maps that: 4.

The horizontal spacing unit is justified from a geologic standpoint. (a)

Each quarter-quarter section in the unit will contribute more or less equally to (b) production.

There is no faulting or other geologic impediment on the area which will affect the (c) drilling of the subject well.

Attachment F contains information from other wells drilled in this area. The 5. preference is for standup units, and the completed wells in the area are apparently commercial.

6. Attachment G is the Survey Calculation Report for the B3AP well. The producing interval of the proposed well will be orthodox.

Attachment H is the Survey Calculation Report for the BIAP well. The producing 6. interval of the proposed well will be orthodox.

Jurden Caull

Iordan Carrell

VERIFICATION

STATE OF TEXAS)) ss. COUNTY OF MIDLAND)

Jordan Carrell, being duly sworn upon his oath, deposes and states that: He is a geologist for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.

Jack Cauell

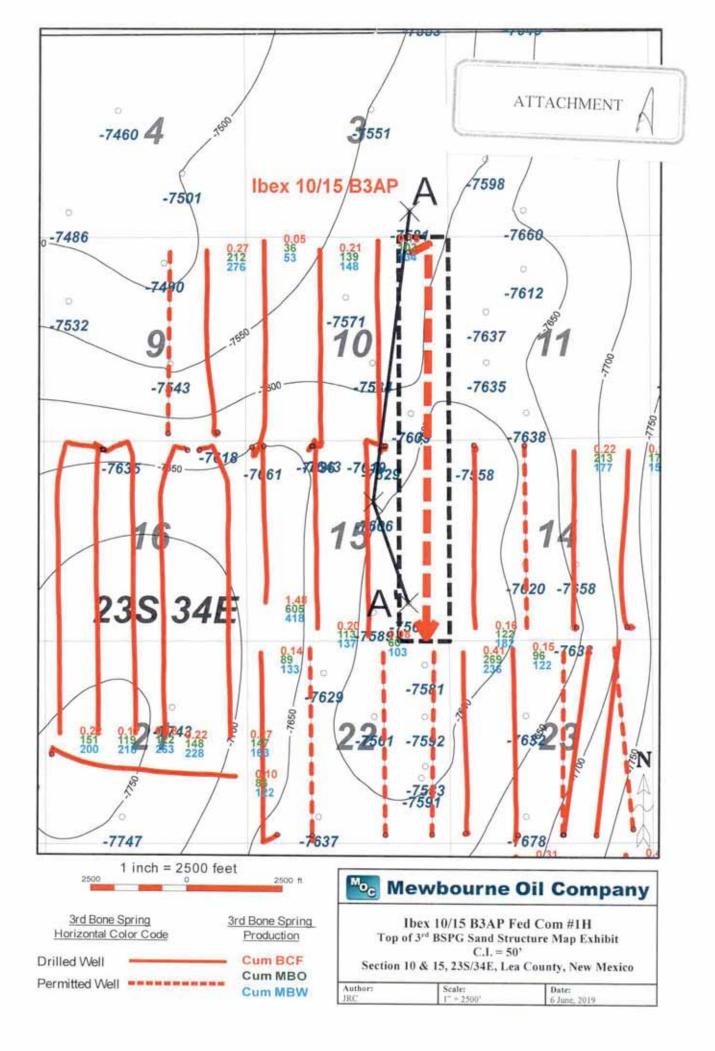
Jordan Carrell

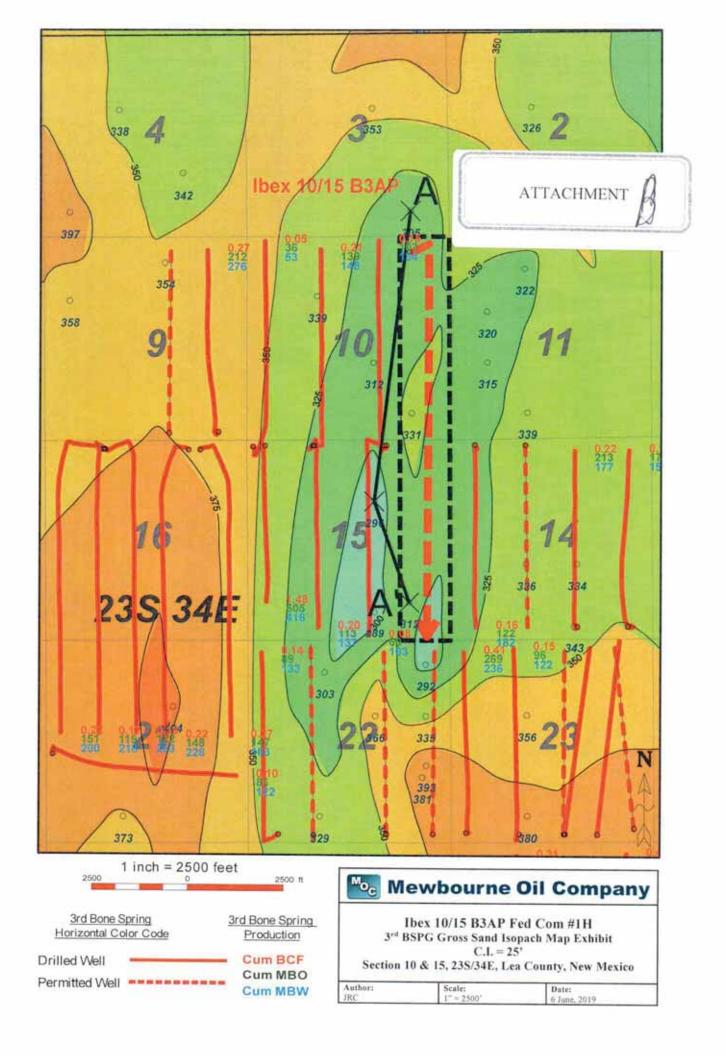
SUBSCRIBED AND SWORN TO before me this \square day of June, 2019 by Jordan Carrell.

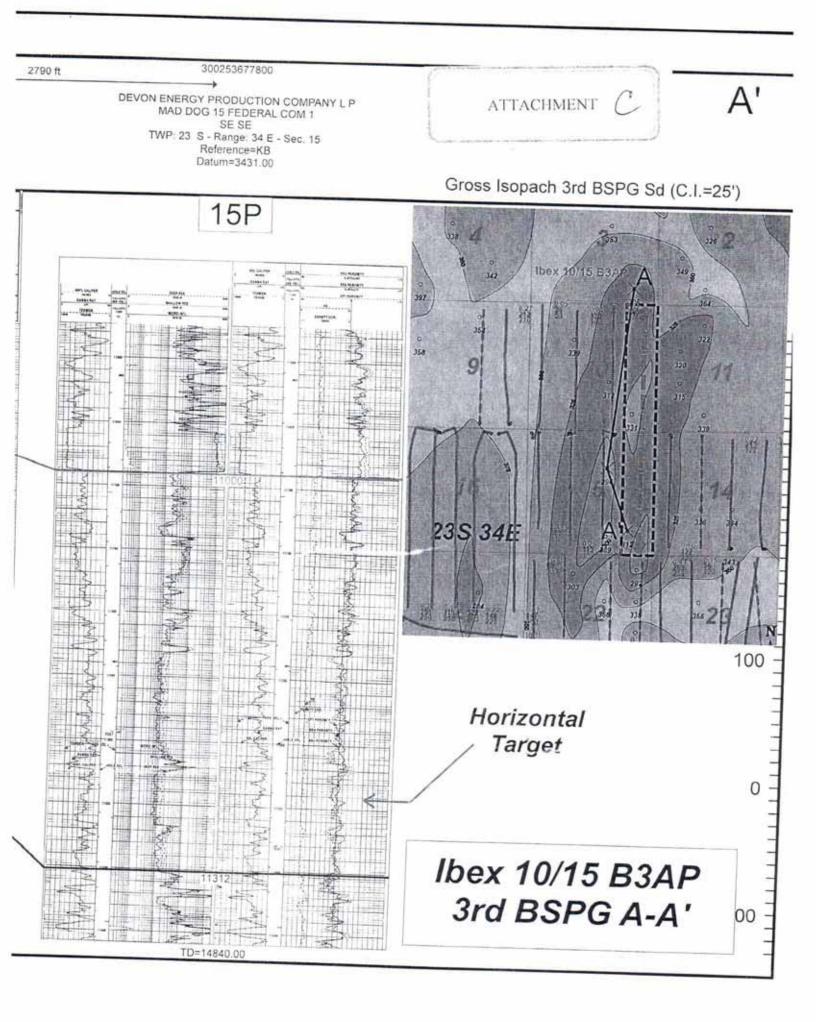
My Commission Expires: 8-28-22

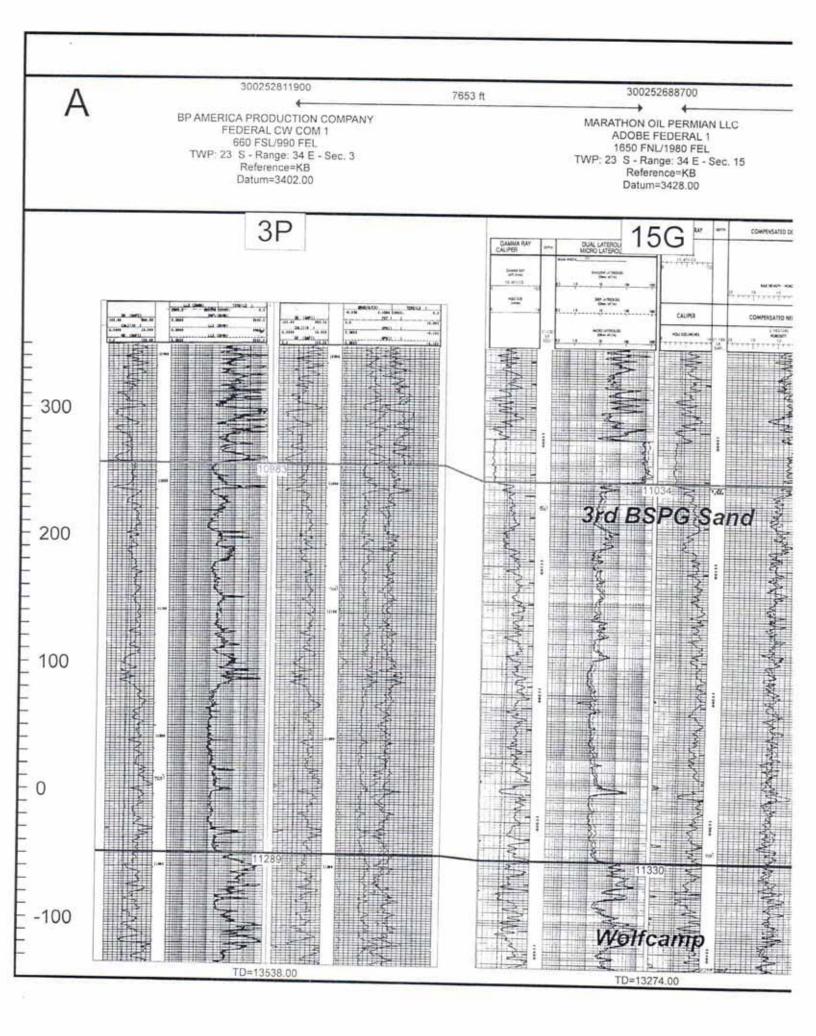
Notary Public

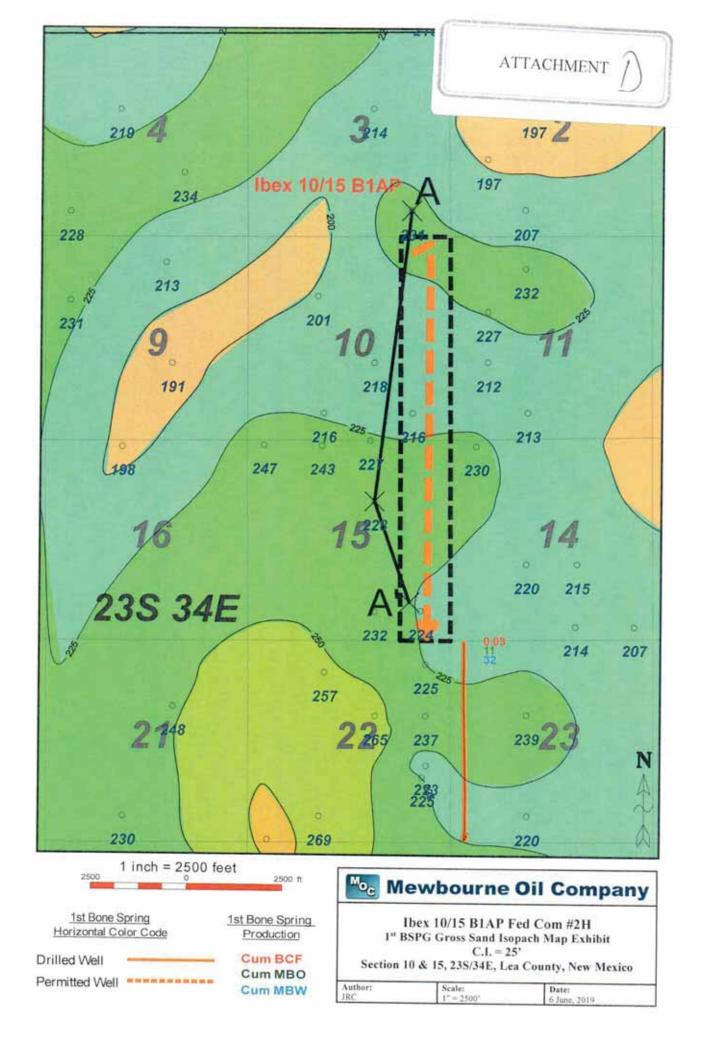
TIA ALEXANDER Notary ID #131701498 **Commission Expires** August 28, 2022

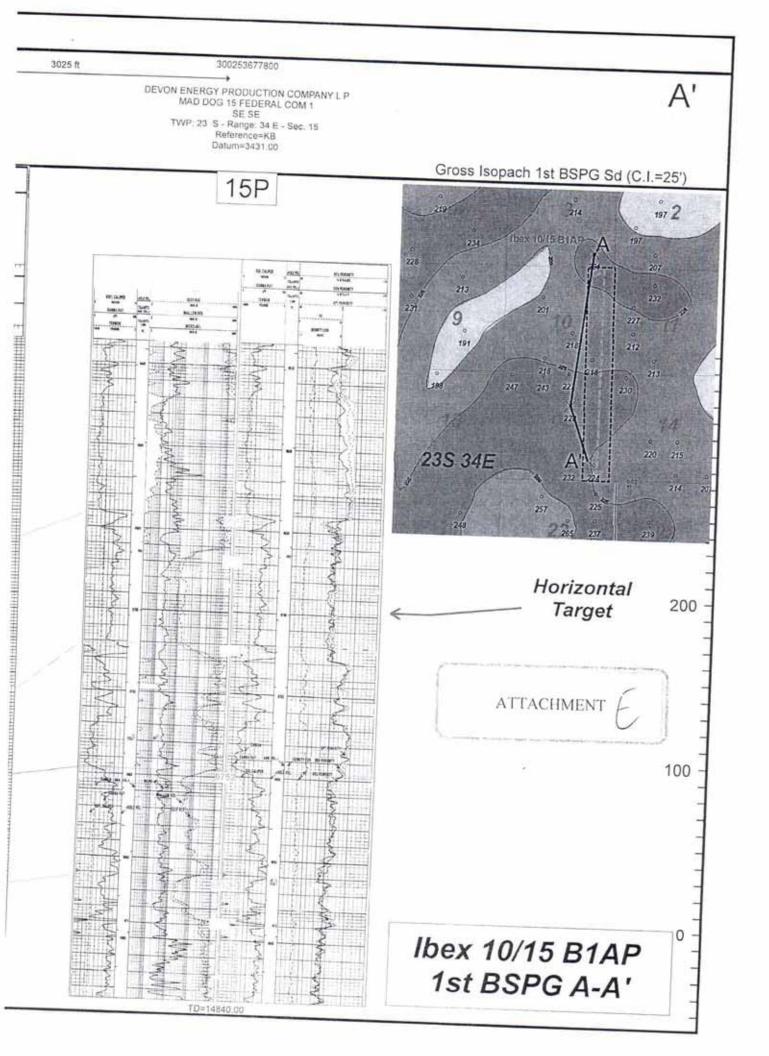


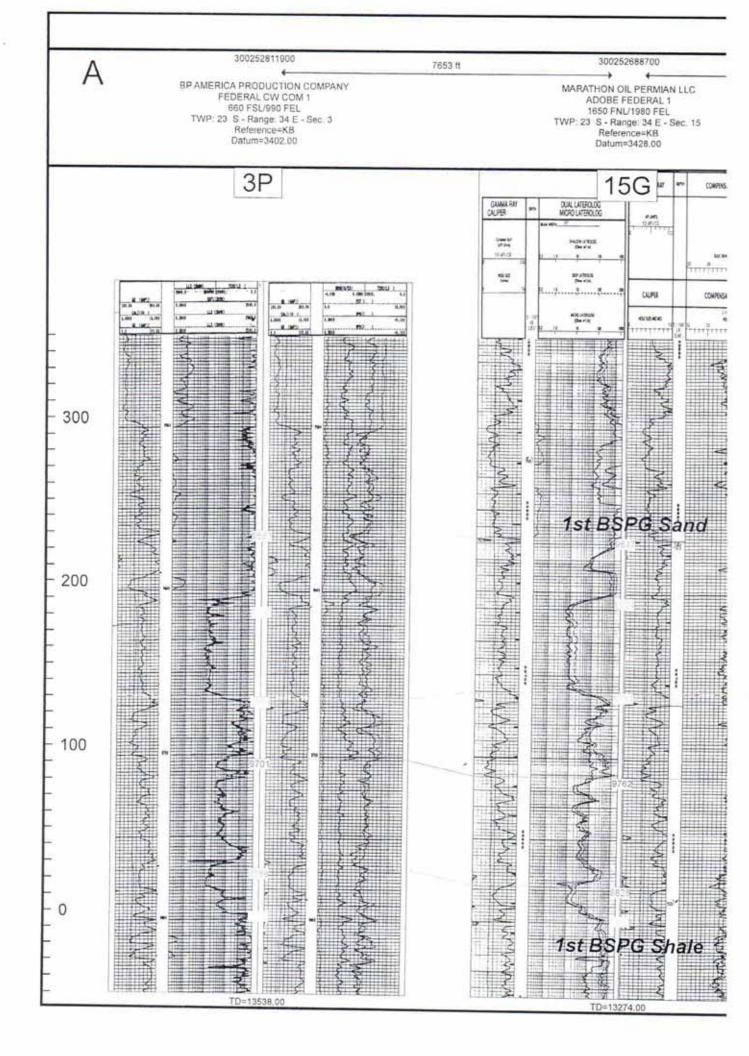












| Well Name | Operator | API | Location | Comp Date | Cum Oil (MBO) | Cum Gas (BCF) Cu | Cum Oil (MBO) Cum Gas (BCF) Cum Water (MBW) NS/EW | s/EW | HZ Target |
|-----------------------------------|-----------------------|------------|----------------|------------|---------------|------------------|---|------|-------------------|
| ANTELOPE 9 B3PA STATE #1H | MEWBOURNE OIL CO | 3002542651 | 9PA/23S/34E | 9/24/2015 | 212 | 0.3 | 276 1 | NS L | Lower 3rd BSPG Sd |
| CAZA RIDGE '14' STATE #3H | CAZA OPERATING LLC | 3002540621 | 1408/23S/34E | 11/5/2012 | 213 | 0.2 | 177 | NS L | Lower 3rd BSPG Sd |
| CAZA RIDGE 14" STATE #4H | CAZA OPERATING LLC | 3002540936 | 14PA/23S/34E | 8/8/2013 | 170 | 0.2 | 155 1 | NS L | Lower 3rd BSPG Sd |
| GETTYSBURG STATE COM #11H | COG OPERATING LLC | 3002544159 | 16A21H/23S/34E | 11/21/2018 | 147 | 0.3 | 163 1 | NS L | ower 3rd BSPG Sd |
| GETTYSBURG STATE COM #12H | COG OPERATING LLC | 3002544160 | 16B21G/23S/34E | 11/24/2018 | 148 | 0.2 | 228 | NS L | ower 3rd BSPG Sd |
| GETTYSBURG STATE COM #13H | COG OPERATING LLC | 3002544230 | 16C21F/23S/34E | 11/6/2018 | 122 | 0.2 | 263 | NS L | ower 3rd BSPG Sd |
| GETTYSBURG STATE COM #14H | COG OPERATING LLC | 3002544231 | 16C21F/23S/34E | 11/10/2018 | 119 | 0.2 | 218 1 | NS L | ower 3rd BSPG Sd |
| GETTYSBURG STATE COM #15H | COG OPERATING LLC | 3002544232 | 16D21E/23S/34E | 11/13/2018 | 151 | 0.2 | 200 | NS L | ower 3rd BSPG Sd |
| IBEX 10 B3NC FED COM#TH | MEWBOURNE OIL CO | 3002544586 | 10NC/23S/34E | 8/7/2018 | 139 | 0.2 | 148 1 | NS L | ower 3rd BSPG Sd |
| IBEX 10 B30B FED COM #1H | MEWBOURNE OIL CO | 3002544587 | 100B/23S/34E | 11/13/2018 | 103 | 0.1 | 134 | NS L | ower 3rd BSPG Sd |
| IBEX 10 B3MD FED COM #1H | MEWBOURNE OIL CO | 3002544585 | 10MD/23S/34E | 1/16/2019 | 36 | 0.1 | 53 | NS L | ower 3rd BSPG Sd |
| ORYX 14 B3DM FEDERAL COM #1H | MEWBOURNE OIL CO | 3002543424 | 14DM/23S/34E | 12/5/2016 | 122 | 0.2 | 182 1 | NS L | ower 3rd BSPG Sd |
| PRONGHORN 15 B3B0 FEDERAL COM #1H | MEWBOURNE OIL CO | 3002543903 | 15B0/233/34E | 11/13/2018 | 60 | 0.1 | 103 | AS L | ower 3rd BSPG Sd |
| PRONGHORN 15 B3CN FEDERAL COM #1H | MEWBOURNE OIL CO | 3002544011 | 15CN/23S/34E | 8/5/2018 | 113 | 0.2 | 137 1 | NS L | ower 3rd BSPG Sd |
| PRONGHORN 15 B30M FEDERAL COM #1H | MEWBOURNE OIL CO | 3002542968 | 15DM/23S/34E | 3/20/2017 | 605 | 1.5 | 418 | NS L | ower 3rd BSPG Sd |
| WILDCAT 21 LI FEDERAL COM #1H | MEWBOURNE OIL CO | 3002541261 | 21LI/23S/34E | 10/13/2013 | 86 | 0.1 | 122 E | EW L | ower 3rd BSPG Sd |
| GAZELLE 22 B3MD FEDERAL COM #1H | MEWBOURNE OIL CO | 3002543397 | 22MD/23S/34E | 10/24/2018 | 83 | 0.1 | 133 | NS L | ower 3rd BSPG Sd |
| FLORENCE STATE 23 23 34 AR #202H | MATADOR PRODUCTION CO | 3002544013 | 23NC/23S/34E | 2/6/2018 | 96 | 0.1 | 122 1 | NS L | ower 3rd BSPG Sd |
| FLORENCE STATE #1H | MATADOR PRODUCTION CO | 3002541841 | 23MD/23S/34E | 10/30/2015 | 269 | 0.4 | 236 | AS L | Lower 3rd BSPG Sd |
| FLORENCE STATE 23 23 34 AR #111H | MATADOR PRODUCTION CO | 3002545223 | 23MD/23S/34F | 12/11/2018 | ÷ | 0.0 | 32 | SN | 1st BSPG Sd |

ATTACHMENT

Mewbourne Oil Company

Lea County, New Mexico NAD 83 Ibex 10/15 B3AP Fed Com #1H SL: 393 FNL & 1039 FEL (Sec 10) Sec 10, T23S, R34E BHL: 100 FSL & 600 FEL (Sec 15)

Plan: Design #1

Standard Planning Report

28 January, 2019

ATTACHMENT

| Database: | Hobbs | Local Co-ordinate Reference: | Site Ibex 10/15 B3AP Fed Com #1H |
|-----------|---------------------------------|------------------------------|--|
| Company: | Mewbourne Oil Company | TVD Reference: | WELL @ 3396.0usft (Original Well Elev) |
| Project: | Lea County, New Mexico NAD 83 | MD Reference: | WELL @ 3396.0usft (Original Well Elev) |
| Site: | Ibex 10/15 B3AP Fed Com #1H | North Reference: | Grid |
| Well: | SL: 393 FNL & 1039 FEL (Sec 10) | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | BHL: 100 FSL & 600 FEL (Sec 15) | | |
| Design: | Design #1 | | |

| Measured Depth (usft) | Inclination (*) | Azimuth (*) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (*/100usft) | Build Rate (*/100usft) | Turn Rate (*/100usft) |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| SL: 393 FNI | & 1039 FEL (Se | c 10) | | | | | | | |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 400.0 | | 0.00 | 400.0 | | 0.0 | 0.0 | | | 0.0 |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0,0 | 0.0 | 0.00 | 0,00 | 0.0 |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 700.0 | 0.00 | 0.00 | 700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 800.0 | 0.00 | 0.00 | 800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| | | | | | | | | | |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1,100.0 | 0.00 | 0.00 | 1,100.0 | 0.0 | 0.0 | 0,0 | 0.00 | 0.00 | 0,0 |
| 1,200.0 | 0.00 | 0.00 | 1,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1,300.0 | 0.00 | 0.00 | 1,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1,400.0 | 0.00 | 0.00 | 1,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1,500.0 | 0.00 | 0.00 | 1,500.0 | 0,0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1,600.0 | 0.00 | 0.00 | 1,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| | 0.00 | 0.00 | | 0.0 | | | | | |
| 1,700.0 | | | 1,700.0 | | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1,800.0 | 0.00 | 0.00 | 1,800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1,900.0 | 0.00 | 0.00 | 1,900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1,950.0 | 0,00 | 0.00 | 1,950.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0,0 |
| 2,000.0 | 0.75 | 48.48 | 2,000.0 | 0.2 | 0.2 | -0.2 | 1.50 | 1.50 | 0.0 |
| 2,100.0 | 2.25 | 48.48 | 2,100.0 | 2.0 | 2.2 | -1.8 | 1.50 | 1.50 | 0.0 |
| 2,200.0 | 3.75 | 48.48 | 2,199.8 | 5.4 | 6.1 | -5.1 | 1.50 | 1.50 | 0.0 |
| 2,208.8 | 3.88 | 48,48 | 2,208.6 | 5.8 | 8.6 | -5.5 | 1.50 | 1.50 | 0.0 |
| 2 200 0 | 0.00 | 48.48 | | | | | | | |
| 2,300,0 | 3.88 | | 2,299.6 | 9.9 | 11.2 | -9,3 | 0.00 | 0.00 | 0.0 |
| 2,400,0 | 3.88 | 48,48 | 2,399.4 | 14.4 | 16,3 | -13,5 | 0.00 | 0.00 | 0.0 |
| 2,500.0 | 3.88 | 48.48 | 2,499.1 | 18.9 | 21.3 | -17.7 | 0.00 | 0.00 | 0.0 |
| 2,600.0 | 3.88 | 48.48 | 2,598.9 | 23.4 | 26.4 | -22.0 | 0.00 | 0.00 | 0.0 |
| 2,700.0 | 3.88 | 48.48 | 2,698.7 | 27.9 | 31.5 | -26.2 | 0.00 | 0.00 | 0.0 |
| 2,800.0 | 3.88 | 48.48 | 2,798.4 | 32.3 | 36.5 | -30.4 | 0.00 | 0.00 | 0.0 |
| 2,900.0 | 3.88 | 48.48 | 2,898.2 | 36.8 | 41.6 | -34.6 | 0.00 | 0.00 | 0.0 |
| 3,000.0 | 3.88 | 48.48 | 2,998.0 | 41.3 | 46.7 | -38.8 | 0.00 | 0.00 | 0.0 |
| 3,100.0 | 3.88 | 48.48 | 3,097.8 | 45.8 | 51.7 | -43.0 | 0.00 | 0.00 | 0.0 |
| 3,200.0 | 3.88 | 48.48 | 3,197.5 | 50.3 | 56,8 | -47.2 | 0.00 | 0.00 | 0.0 |
| | | | | | | | | 0.00 | 0.0 |
| 3,300.0 | 3.88 | 48.48 | 3,297,3 | 54.8 | 61.9 | -51.5 | 0.00 | 0.00 | 0.0 |
| 3,400.0 | 3.88 | 48.48 | 3,397.1 | 59.3 | 67.0 | -55.7 | 0.00 | 0.00 | 0.0 |
| 3,500.0 | 3.88 | 48.48 | 3,496.8 | 63.8 | 72.0 | -59.9 | 0.00 | 0.00 | 0.0 |
| 3,600.0 | 3.88 | 48.48 | 3,596.6 | 68.3 | 77.1 | -64.1 | 0.00 | 0.00 | 0.0 |
| 3,700.0 | 3,88 | 48.48 | 3,696.4 | 72.7 | 82.2 | -68.3 | 0.00 | 0.00 | 0.0 |
| 3,800.0 | 3.88 | 48.48 | 3,796.1 | 77.2 | 87.2 | -72.5 | 0.00 | | |
| 3,900.0 | 3.88 | 48.48 | 3,895.9 | 81.7 | 92.3 | -72.5 | 0.00 | 0.00 | 0.0 |
| 4,000.0 | 3.88 | 48.48 | | | | | 0.00 | 0.00 | 0.0 |
| 4,100.0 | | | 3,995,7 | 86.2 | 97.4 | -81.0 | 0.00 | 0.00 | 0.0 |
| | 3.88 | 48.48 | 4,095.5 | 90.7 | 102.4 | -85.2 | 0.00 | 0.00 | 0.0 |
| 4,200.0 | 3.88 | 48.48 | 4,195,2 | 95.2 | 107.5 | -89.4 | 0.00 | 0.00 | 0.0 |
| 4,300.0 | 3,88 | 48.48 | 4,295.0 | 99.7 | 112.6 | -93.6 | 0.00 | 0.00 | 0.0 |
| 4,400.0 | 3.88 | 48.48 | 4,394.8 | 104.2 | 117.7 | -97.8 | 0.00 | 0.00 | 0.0 |
| 4,500.0 | 3.88 | 48.48 | 4,494.5 | 108.6 | 122.7 | -102.1 | 0.00 | 0.00 | 0.0 |
| 4,600.0 | 3.88 | 48.48 | 4,594.3 | 113.1 | 127.8 | -106.3 | 0.00 | 0.00 | 0.0 |
| 4,700.0 | 3.88 | 48.48 | 4,694.1 | 117.6 | 132.9 | -110.5 | 0.00 | 0.00 | 0.0 |
| | | | | | | | | | |
| 4,800.0 | 3.88 | 48,48 | 4,793,9 | 122.1 | 137.9 | -114.7 | 0.00 | 0.00 | 0.0 |
| 4,900.0 | 3.88 | 48.48 | 4,893.6 | 126.6 | 143.0 | -118.9 | 0.00 | 0.00 | 0.0 |
| 5,000.0 | 3.88 | 48.48 | 4,993.4 | 131.1 | 148.1 | -123.1 | 0.00 | 0.00 | 0.0 |

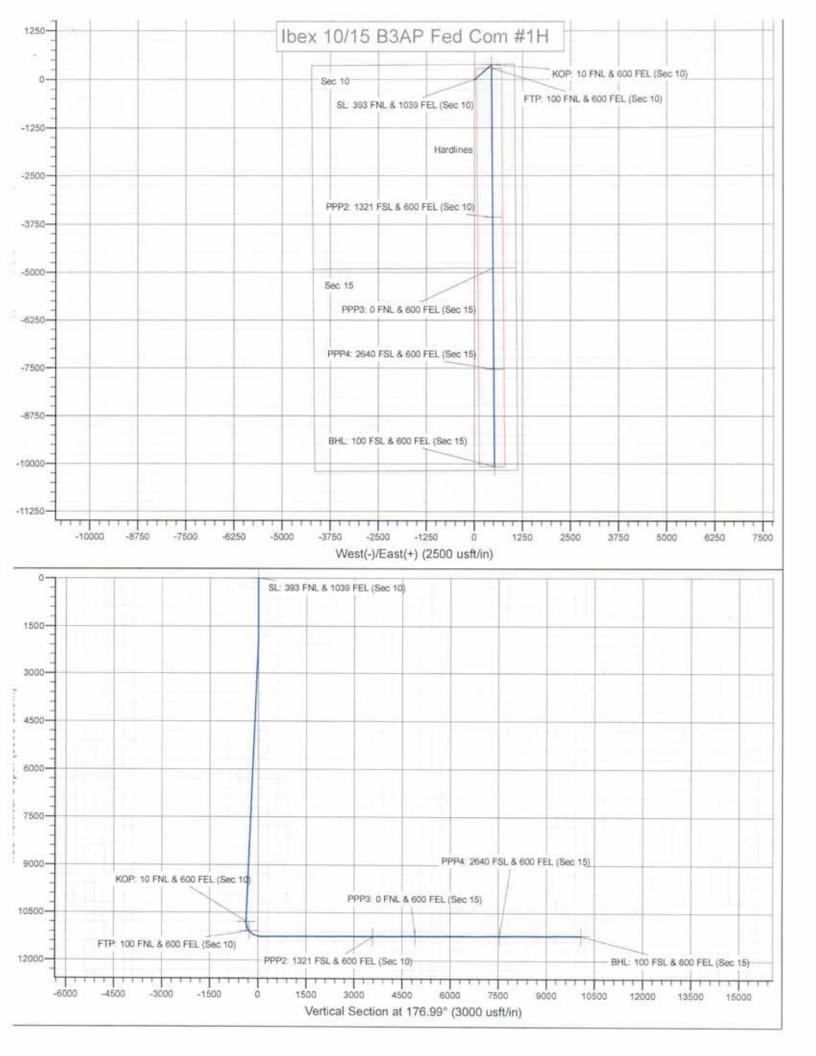
| Database: | Hobbs | Local Co-ordinate Reference: | Site Ibex 10/15 B3AP Fed Com #1H |
|-----------|---------------------------------|------------------------------|--|
| Company: | Mewbourne Oil Company | TVD Reference: | WELL @ 3396.0usft (Original Well Elev) |
| Project: | Lea County, New Mexico NAD 83 | MD Reference: | WELL @ 3396.0usft (Original Well Elev) |
| Site: | Ibex 10/15 B3AP Fed Com #1H | North Reference: | Grid |
| Well: | SL: 393 FNL & 1039 FEL (Sec 10) | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | BHL: 100 FSL & 600 FEL (Sec 15) | | |
| Design: | Design #1 | | |

| Measured Depth (usft) | Inclination (*) | Azimuth (*) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (*/100usft) | Build Rate (*/100usft) | Turn Rate (*/100usft) |
|-----------------------------|--------------------|------------------|-----------------------------|----------------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 10,500.0 | 3.88 | 48.48 | 10,480.8 | 378.0 | 426.9 | -355.0 | 0.00 | 0.00 | 0.00 |
| 10,549.7 | 3,88 | 48.48 | 10,530.4 | 380.2 | 429.4 | -357.1 | 0.00 | 0.00 | 0.0 |
| 10,600,0 | 3.13 | 48,48 | 10,580.6 | 382.2 | 431.7 | -359.0 | 1.50 | -1.50 | 0.0 |
| 10,700.0 | 1.63 | 48.48 | 10,680.5 | 385.0 | 434.8 | -361.6 | 1.50 | -1.50 | 0.0 |
| 10,800.0 | 0.13 | 48.48 | 10,780.5 | 386.0 | 436.0 | -362.6 | 1.50 | -1.50 | 0.0 |
| 10,808.5 | 0.00 | 0.00 | 10,789.0 | 386.0 | 436.0 | -362.6 | 1.50 | -1.50 | 0.00 |
| ALC: PLUSSES | L & 600 FEL (Sec | | 101103.0 | | 100.0 | 002.0 | 1100 | 1.00 | 61.01 |
| 10,900.0 | 10,99 | 179.49 | 10,879.9 | 377.3 | 436.1 | -353,9 | 12.01 | 12.01 | 0,0 |
| 11,000.0 | 23.00 | 179,49 | 10,975,4 | 348.1 | 436.3 | -324.7 | 12.01 | 12.01 | 0.00 |
| | | | | | | | | | |
| 11,100.0 | 35.01 | 179.49 | 11,062.7 | 299.7 | 436.8 | -276.4 | 12.01 | 12.01 | 0.00 |
| 11,106.4 | 35.77 | 179,49 | 11,067.8 | 296,0 | 436.8 | -272.7 | 12.01 | 12.01 | 0.0 |
| | L & 600 FEL (Se | | | | 100 | | | | |
| 11,200.0 | 47.02 | 179.49 | 11,138.0 | 234.2 | 437.4 | -210.9 | 12.01 | 12.01 | 0.00 |
| 11,300.0 | 59.03 | 179.49 | 11,198.0 | 154.5 | 438.1 | -131.2 | 12.01 | 12.01 | 0.00 |
| 11,400.0 | 71.04 | 179.49 | 11,240.1 | 64.0 | 438.9 | -40.8 | 12.01 | 12.01 | 0.00 |
| 11,500.0 | 83,06 | 179,49 | 11,262,5 | -33.3 | 439.7 | 56.3 | 12.01 | 12.01 | 0.00 |
| 11,559.9 | 90,25 | 179,49 | 11,266.0 | -93,1 | 440.3 | 116.1 | 12.01 | 12.01 | 0.00 |
| 11,600.0 | 90.25 | 179.49 | 11,265,8 | -133.2 | 440,6 | 156.1 | 0.00 | 0.00 | 0.0 |
| 11,700.0 | 90,25 | 179.49 | 11,265.4 | -233.2 | 441.5 | 256.0 | 0.00 | 0.00 | 0.00 |
| 11,800.0 | 90.25 | 179,49 | 11,264.9 | -333.2 | 442.4 | 355,9 | 0.00 | 0.00 | 0.0 |
| 11,900.0 | 90,25 | 179.49 | 11,264.5 | -433.2 | 443.3 | 455.8 | 0.00 | 0.00 | 0.0 |
| 12,000.0 | 90.25 | 179.49 | 11,264.1 | -533.1 | 444.2 | 555.7 | 0.00 | 0.00 | 0.00 |
| 12,100.0 | 90.25 | 179.49 | 11,263.6 | -633.1 | 445.1 | 655.6 | 0.00 | 0.00 | 0.0 |
| 12,200.0 | 90.25 | 179,49 | 11,263.2 | -733.1 | 446.0 | 755.5 | 0.00 | 0.00 | 0.00 |
| 12,300.0 | 90.25 | 179.49 | 11,262.7 | -833.1 | 446.8 | 855.4 | 0.00 | 0.00 | 0.00 |
| 12,400,0 | 90.25 | 179,49 | 11,262.3 | -933.1 | 447.7 | 955.3 | 0.00 | 0.00 | 0.0 |
| 12,500.0 | 90.25 | 179.49 | 11,261.9 | -1,033,1 | 448.6 | 1.055.2 | 0.00 | 0.00 | 0.00 |
| 12,600.0 | 90.25 | 179,49 | 11,261.4 | -1,133.1 | 449,5 | 1,155.1 | 0.00 | 0.00 | 0.00 |
| 12,700.0 | 90.25 | 179,49 | 11,261.0 | -1,233,1 | 450.4 | 1,255,1 | 0.00 | 0.00 | 0.00 |
| 12,800.0 | 90.25 | 179.49 | 11,260.5 | -1,333.1 | 451.3 | 1,355.0 | 0.00 | 0.00 | 0.00 |
| 12,900.0 | 90.25 | 179.49 | 11,260.1 | | | | | | |
| 13,000.0 | 90.25 | 179.49 | 11,259.6 | -1,433.1 | 452.2 453.1 | 1,454.9 | 0.00 | 0.00 | 0.00 |
| 13,100.0 | 90.25 | 179,49 | 11,259.2 | -1,633.1 | 454.0 | 1,654.0 | | 0.00 | 0.00 |
| 13,200.0 | 90.25 | 179,49 | 11,258.8 | -1,733.1 | 454.9 | 1,754.6 | 0.00 | 0.00 | 0.00 |
| 13,300.0 | 90.25 | 179,49 | 11,258.3 | -1,833.1 | 455.7 | 1,854,5 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 13,400,0 13,500.0 | 90.25 90.25 | 179.49 179.49 | 11,257.9 | -1,933.1 | 456.6 | 1,954.4 | 0.00 | 0.00 | 0.00 |
| 13,600.0 | 90.25 | 179.49 | 11,257.4 | -2,033.1 | 457.5 | 2,054,3 | 0.00 | 0.00 | 0.00 |
| 13,700.0 | 90.25 | 179.49 | 11,257.0 11,256.6 | -2,133,1 -2,233,1 | 458,4 | 2,154.2 | 0.00 | 0.00 | 0.00 |
| 13,800.0 | 90.25 | 179,49 | 11,256,1 | -2,233.1 | 459.3 460.2 | 2,254.1 2,354.0 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | 0,00 | 0.00 |
| 13,900.0 | 90.25 | 179.49 | 11,255.7 | -2,433.1 | 461.1 | 2,453.9 | 0.00 | 0.00 | 0.00 |
| 14,000.0 | 90.25 | 179.49 | 11,255.2 | -2,533.0 | 462.0 | 2,553.8 | 0.00 | 0.00 | 0.00 |
| 14,100.0 | 90.25 | 179.49 | 11,254.8 | -2,633.0 | 462.9 | 2,653.7 | 0.00 | 0.00 | 0.00 |
| 14,200.0 14,300.0 | 90.25 | 179.49 | 11,254.4 | -2,733.0 | 463.8 | 2,753.6 | 0.00 | 0.00 | 0.00 |
| | 90.25 | 179.49 | 11,253.9 | -2,833.0 | 464.6 | 2,853.5 | 0.00 | 0.00 | 0.00 |
| 14,400.0 | 90,25 | 179,49 | 11,253.5 | -2,933,0 | 465,5 | 2,953.4 | 0.00 | 0.00 | 0.00 |
| 14,500.0 | 90,25 | 179.49 | 11,253.0 | -3,033.0 | 466.4 | 3,053,3 | 0.00 | 0.00 | 0.00 |
| 14,600.0 | 90,25 | 179,49 | 11,252.6 | -3,133.0 | 467.3 | 3,153.2 | 0.00 | 0.00 | 0.00 |
| 14,700.0 | 90.25 | 179,49 | 11,252.1 | -3,233.0 | 468.2 | 3,253,1 | 0.00 | 0.00 | 0.00 |
| 14,800.0 | 90.25 | 179,49 | 11,251.7 | -3,333.0 | 469,1 | 3,353.0 | 0.00 | 0.00 | 0.00 |
| 14,900.0 | 90.25 | 179.49 | 11,251.3 | -3,433.0 | 470.0 | 3,452.9 | 0.00 | 0.00 | 0.00 |
| 15,000.0 | 90.25 | 179.49 | 11,250.8 | -3,533.0 | 470.9 | 3,552.8 | 0.00 | 0.00 | 0.00 |
| 15,033.0 | 90.25 | 179.49 | 11,250.7 | -3,566.0 | 471.2 | 3,585,8 | 0.00 | 0.00 | 0.00 |

| Database: | Hobbs | Local Co-ordinate Reference: | Site Ibex 10/15 B3AP Fed Com #1H |
|-----------|---------------------------------|------------------------------|--|
| Company: | Mewbourne Oil Company | TVD Reference: | WELL @ 3396.0usft (Original Well Elev) |
| Project: | Les County, New Mexico NAD 83 | MD Reference: | WELL @ 3396.0usft (Original Well Elev) |
| Site: | Ibex 10/15 B3AP Fed Com #1H | North Reference: | Grid |
| Well: | SL: 393 FNL & 1039 FEL (Sec 10) | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | BHL: 100 FSL & 600 FEL (Sec 15) | | |
| Design: | Design #1 | | |

| Measured Depth (usft) | Inclination (*) | Azimuth (*) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (*/100usft) | Build Rate (*/100usft) | Turn Rate (*/100usft) |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 19,900.0 | 90.25 | 179.49 | 11,229,2 | -8,432.8 | 514.5 | 8,448,1 | 0.00 | 0.00 | 0.00 |
| 20,000.0 | 90,25 | 179,49 | 11,228.8 | -8,532.8 | 515.4 | 8,548,0 | 0.00 | 0.00 | 0.00 |
| 20,100.0 | 90.25 | 179.49 | 11,228.3 | -8,632.7 | 516.2 | 8,647.9 | 0.00 | 0.00 | 0.00 |
| 20,200.0 | 90.25 | 179.49 | 11,227.9 | -8,732.7 | 517.1 | 8,747.8 | 0.00 | 0.00 | 0.00 |
| 20,300.0 | 90.25 | 179.49 | 11,227.4 | -8,832.7 | 518.0 | 8,847.8 | 0.00 | 0.00 | 0.00 |
| 20,400.0 | 90.25 | 179.49 | 11,227.0 | -8,932.7 | 518.9 | 8,947.7 | 0.00 | 0.00 | 0.00 |
| 20,500,0 | 90.25 | 179,49 | 11,226.6 | -9,032.7 | 519.8 | 9,047.6 | 0.00 | 0.00 | 0.00 |
| 20,600.0 | 90.25 | 179.49 | 11,226,1 | -9,132.7 | 520.7 | 9,147.5 | 0.00 | 0.00 | 0.00 |
| 20,700.0 | 90.25 | 179,49 | 11,225,7 | -9,232.7 | 521.6 | 9,247.4 | 0.00 | 0.00 | 0.00 |
| 20,800.0 | 90,25 | 179,49 | 11,225.2 | -9,332.7 | 522.5 | 9,347.3 | 0.00 | 0.00 | 0.00 |
| 20,900,0 | 90,25 | 179,49 | 11,224.8 | -9,432.7 | 523.4 | 9,447.2 | 0.00 | 0.00 | 0.00 |
| 21,000,0 | 90.25 | 179.49 | 11,224.4 | -9,532.7 | 524.3 | 9,547.1 | 0.00 | 0.00 | 0.00 |
| 21,100.0 | 90.25 | 179.49 | 11,223.9 | -9,632.7 | 525.1 | 9,647.0 | 0.00 | 0.00 | 0.00 |
| 21,200.0 | 90.25 | 179.49 | 11,223.5 | -9,732,7 | 526.0 | 9,746.9 | 0.00 | 0.00 | 0.00 |
| 21,300.0 | 90.25 | 179,49 | 11,223.0 | -9,832.7 | 526.9 | 9,846.8 | 0.00 | 0.00 | 0.00 |
| 21,400.0 | 90.25 | 179.49 | 11,222.6 | -9,932.7 | 527.8 | 9,946.7 | 0.00 | 0.00 | 0.00 |
| 21,500.0 | 90.25 | 179,49 | 11,222.1 | +10,032.7 | 528.7 | 10,046.6 | 0.00 | 0.00 | 0.00 |
| 21,533,3 | 90.25 | 179,49 | 11,222.0 | -10,066.0 | 529.0 | 10,079,9 | 0.00 | 0.00 | 0.00 |

| Design Targets | | | | | | | | | |
|---|------------------|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|------------|--------------|
| Target Name - hit/miss target - Shape | Dip Angle (*) | Dip Dir. (*) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| SL: 393 FNL & 1039 FE - plan hits target cer - Point | | 0.00 | 0.0 | 0.0 | 0.0 | 483,199.00 | 813,334.00 | 32.3253138 | -103.4527833 |
| KOP: 10 FNL & 600 FEL - plan hits target cer - Point | | 0.00 | 10,789.0 | 386.0 | 436.0 | 483,585.00 | 813,770.00 | 32,3263648 | -103.4513616 |
| FTP: 100 FNL & 600 FE - plan hits target cer - Point | 0.00 hter | 0.00 | 11,067.9 | 296.0 | 436.8 | 483,495.00 | 813,770.80 | 32.3261174 | -103.4513614 |
| BHL: 100 FSL & 600 FE - plan hits target cer - Point | | 0.00 | 11,222.0 | -10,066.0 | 529.0 | 473,133.00 | 813,863.00 | 32,2976350 | -103.4513389 |
| PPP4: 2640 FSL & 600 I - plan hits target cer - Point | | 0.00 | 11,233.2 | -7,525.0 | 506,4 | 475,674,00 | 813,840.39 | 32,3046195 | -103.4513444 |
| PPP3: 0 FNL & 600 FEL - plan hits target cer - Point | 0.00 hter | 0.00 | 11,244.8 | -4,887.0 | 482.9 | 478,312.00 | 813,816.92 | 32.3118707 | -103.4513502 |
| PPP2: 1321 FSL & 600 I - plan hits target cer - Point | | 0.00 | 11,250.7 | -3,566,0 | 471.2 | 479,633.00 | 813,805,16 | 32.3155018 | -103.4513530 |



Mewbourne Oil Company

Lea County, New Mexico NAD 83 Ibex 10/15 B1AP Fed Com #2H SL: 400 FNL & 1010 FEL (Sec 10) Sec 10, T23S, R34E BHL: 100 FSL & 450 FEL (Sec 15)

Plan: Design #1

Standard Planning Report

28 January, 2019



| Database: Company: Project: Site: Well: | Hobbs Mewbourne Oil Company Lea County, New Mexico NAD 83 Ibex 10/15 B1AP Fed Corn #2H SL: 400 FNL & 1010 FEL (Sec 10) | Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: | Site Ibex 10/15 B1AP Fed Com #2H WELL @ 3396.0usft (Original Well Elev) WELL @ 3396.0usft (Original Well Elev) Grid Minimum Curvature |
|---|--|---|---|
| Wellbore: Design: | BHL: 100 FSL & 450 FEL (Sec 15) Design #1 | Survey Calculation Method: | MILITER GUIVELUE |

| 0.0 SL: 400 FNL 100.0 200.0 300.0 400.0 | 0.00 & 1010 FEL (See | 0.00 | | (usft) | (usft) | (usft) | (*/100usft) | (*/100usft) | (*/100usft) |
|--|-------------------------|-------|---------|----------------|----------------|--------|-------------|-------------|-------------|
| 100.0 200.0 300.0 | | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 200.0 300.0 | | c 10) | | | | | | | |
| 300.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 300.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| | | | | | | | | | |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 700.0 | 0.00 | 0.00 | 700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0,0 |
| 800.0 | 0.00 | 0.00 | 800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 900,0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0,0 |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1,100.0 | 0.00 | 0.00 | 1,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1,200.0 | 0.00 | 0.00 | 1,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | | |
| 1,300.0 | 0.00 | 0.00 | 1,300.0 | 0.0 | 0.0 | | | 0.00 | 0.0 |
| 1,400.0 | 0.00 | 0.00 | | | | 0.0 | 0.00 | 0.00 | 0.0 |
| | | | 1,400.0 | 0.0 | 0,0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1,500.0 | 0,00 | 0.00 | 1,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1,600.0 | 0.00 | 0.00 | 1,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0,00 | 0.0 |
| 1,700.0 | 0.00 | 0.00 | 1,700,0 | 0.0 | 0.0 | 0,0 | 0.00 | 0.00 | 0.0 |
| 1,800.0 | 0.00 | 0.00 | 1,800,0 | 0,0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1,900.0 | 0.00 | 0.00 | 1,900.0 | 0.0 | 0.0 | 0.0 | 0,00 | 0.00 | 0.0 |
| 1,950.0 | 0.00 | 0.00 | 1,950.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 2,000.0 | 0.75 | 54.61 | 2,000.0 | 0.2 | 0.3 | -0.2 | 1,50 | | |
| 2,100.0 | 2.25 | 54.61 | 2,100.0 | 1.7 | 2.4 | -1.5 | | 1.50 | 0.0 |
| 2,200.0 | 3.75 | 54.61 | 2,199,8 | 4.7 | | | 1.50 | 1.50 | 0.0 |
| 2,300.0 | 5.25 | 54.61 | | | 6.7 | -4.3 | 1.50 | 1.50 | 0.0 |
| 2,500.0 | | 34.01 | 2,299.5 | 9.3 | 13,1 | -8.4 | 1.50 | 1.50 | 0.0 |
| 2,330.3 | 5.70 | 54.61 | 2,329,6 | 11.0 | 15.4 | -9,9 | 1.50 | 1.50 | 0.0 |
| 2,400.0 | 5.70 | 54,61 | 2,399.0 | 15,0 | 21.1 | -13.6 | 0.00 | 0.00 | 0.0 |
| 2,500.0 | 5,70 | 54.61 | 2,498,5 | 20,7 | 29.2 | -18.8 | 0.00 | 0.00 | 0.0 |
| 2,600.0 | 5.70 | 54.61 | 2,598.0 | 26.5 | 37.3 | -24.0 | 0.00 | 0.00 | 0.0 |
| 2,700.0 | 5,70 | 54.61 | 2,697.5 | 32.2 | 45.4 | -29.2 | 0.00 | 0.00 | 0.0 |
| 2,800.0 | 5.70 | 54.61 | 2,797.0 | 38.0 | 53.5 | -34.5 | 0.00 | 0.00 | |
| 2,900.0 | 5,70 | 54.61 | 2,896.6 | 43.7 | 61.6 | | | 0.00 | 0.0 |
| 3,000.0 | 5.70 | 54.61 | 2,996.1 | 49.5 | | -39.7 | 0.00 | 0.00 | 0.0 |
| 3,100.0 | 5.70 | 54.61 | 3,095.6 | | 69.7 | -44.9 | 0.00 | 0.00 | 0.0 |
| 3,200.0 | 5.70 | | | 55.3 | 77.8 | -50.1 | 0.00 | 0.00 | 0.0 |
| | | 54,61 | 3,195.1 | 61.0 | 85,9 | -55.4 | 0.00 | 0.00 | 0.0 |
| 3,300.0 | 5.70 | 54.61 | 3,294.6 | 66.8 | 94.0 | -60.6 | 0.00 | 0.00 | 0.0 |
| 3,400.0 | 5.70 | 54,61 | 3,394.1 | 72.5 | 102.1 | -65.8 | 0.00 | 0.00 | 0.0 |
| 3,500.0 | 5,70 | 54,61 | 3,493.6 | 78.3 | 110.2 | -71.0 | 0.00 | 0.00 | 0.0 |
| 3,600.0 | 5,70 | 54,61 | 3,593,1 | 84.0 | 118.3 | -76.2 | 0.00 | 0.00 | 0.0 |
| 3,700.0 | 5,70 | 54.61 | 3,692.6 | 89.8 | 126.4 | -81.5 | 0.00 | 0.00 | 0.0 |
| 3,800.0 | 5.70 | 54.61 | 3,792,1 | 95.6 | 134.5 | | | | |
| 3,900.0 | 5.70 | 54.61 | 3,891.6 | 101.3 | 134.5 | -86.7 | 0.00 | 0.00 | 0.0 |
| 4,000.0 | 5.70 | 54.61 | | | | -91.9 | 0.00 | 0.00 | 0.0 |
| 4,100.0 | 5.70 | | 3,991.1 | 107.1 | 150.7 | -97.1 | 0.00 | 0.00 | 0.0 |
| 4,200.0 | | 54.61 | 4,090.6 | 112.8 | 158.8 | -102.4 | 0.00 | 0.00 | 0.0 |
| | 5.70 | 54.61 | 4,190.1 | 118.6 | 166.9 | -107.6 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 5,70 | 54.61 | 4,289.6 | 124.3 | 175.0 | -112.8 | 0.00 | 0.00 | 0.0 |
| 4,400.0 | 5,70 | 54.61 | 4,389.1 | 130.1 | 183.1 | -118.0 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 5,70 | 54.61 | 4,488.6 | 135.8 | 191.2 | -123.2 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 5.70 | 54.61 | 4,588.1 | 141.6 | 199.3 | -128.5 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 5.70 | 54.61 | 4,687,6 | 147.4 | 207,4 | -133.7 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 5.70 | 54.61 | 4,787.1 | | | | | | |
| 4,900.0 | 5.70 | 54.61 | 4,787.1 | 153,1 | 215.5 | -138,9 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 5.70 | 54.61 | 4,986.2 | 158.9 164.6 | 223.6 231.7 | -144.1 | 0.00 | 0.00 | 0.00 |

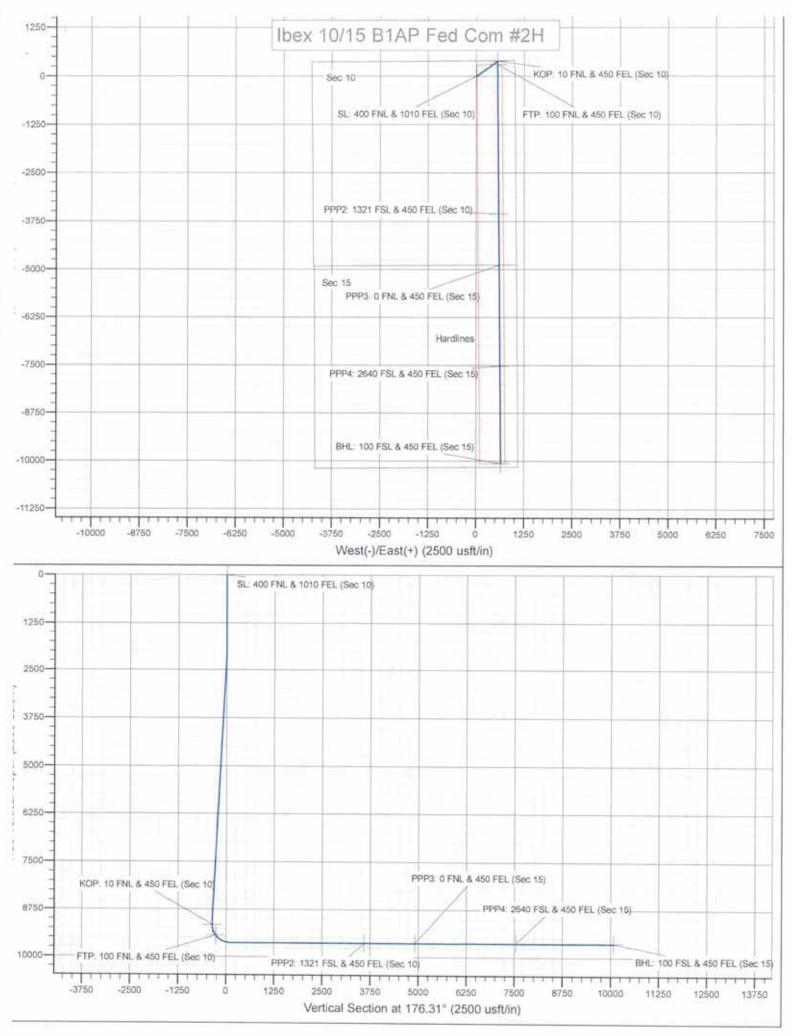
| Database: | Hobbs | Local Co-ordinate Reference: | Site Ibex 10/15 B1AP Fed Com #2H |
|-----------|---------------------------------|------------------------------|--|
| Company: | Mewbourne Oil Company | TVD Reference: | WELL @ 3396.0usft (Original Well Elev) |
| Project: | Lea County, New Mexico NAD 83 | MD Reference: | WELL @ 3396.0usft (Original Well Elev) |
| Site: | Ibex 10/15 B1AP Fed Com #2H | North Reference: | Grid |
| Well: | SL: 400 FNL & 1010 FEL (Sec 10) | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | BHL: 100 FSL & 450 FEL (Sec 15) | | |
| Design: | Design #1 | | |

| Measured Depth (usft) | Inclination (*) | Azimuth (*) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate ("/100usft) | Build Rate (*/100usft) | Turn Rate (*/100usft) |
|-----------------------------|--------------------|--|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 9,942.1 | 90.06 | 179.49 | 9,636.0 | -82.5 | 560.2 | 118.4 | 12.01 | 12.01 | 0.0 |
| 10,000.0 | 90.06 | 179.49 | 9,635.9 | -140.4 | 560.8 | 176.2 | 0.00 | 0.00 | 0.0 |
| 10,100.0 | 90.06 | 179.49 | | | | | | | |
| | | | 9,635.8 | -240.4 | 561.7 | 276.0 | 0.00 | 0.00 | 0.0 |
| 10,200.0 | 90.06 | 179.49 | 9,635.7 | -340.4 | 562.5 | 375.9 | 0.00 | 0.00 | 0.0 |
| 10,300.0 | 90.06 | 179.49 | 9,635.6 | -440.3 | 563.4 | 475.7 | 0.00 | 0.00 | 0.0 |
| 10,400.0 | 90,06 | 179,49 | 9,635.5 | -540.3 | 564.3 | 575.6 | 0.00 | 0.00 | 0.0 |
| 10,500.0 | 90.06 | 179.49 | 9,635,4 | -640.3 | 565.2 | 675.4 | 0.00 | 0.00 | 0.0 |
| 10,600.0 | 90.06 | 179.49 | 9,635.3 | -740.3 | 566.1 | 775.3 | 0.00 | 0.00 | 0.0 |
| 10,700.0 | 90.06 | 179,49 | 9,635,2 | -840.3 | 567.0 | 875.1 | 0.00 | 0.00 | 0.0 |
| 10,800.0 | 90.06 | 179.49 | 9,635.1 | -940.3 | 567.9 | 974.9 | 0.00 | 0.00 | 0.0 |
| 10 000 0 | 00.00 | | | | | | | | |
| 10,900.0 | 90.06 | 179.49 | 9,635.0 | -1,040.3 | 568.8 | 1,074.8 | 0.00 | 0.00 | 0.0 |
| 11,000.0 | 90.06 | 179.49 | 9,634.9 | -1,140.3 | 569,7 | 1,174.6 | 0.00 | 0.00 | 0.0 |
| 11,100.0 | 90.06 | 179.49 | 9,634.8 | -1,240.3 | 570.5 | 1,274.5 | 0.00 | 0.00 | 0.0 |
| 11,200.0 | 90.06 | 179.49 | 9,634.7 | -1,340.3 | 571.4 | 1,374.3 | 0.00 | 0.00 | 0,0 |
| 11,300.0 | 90.06 | 179.49 | 9,634.6 | -1,440.3 | 572.3 | 1,474.2 | 0.00 | 0.00 | 0.0 |
| 11,400.0 | 90.06 | 179,49 | 9,634,5 | -1,540.3 | 573.2 | 1,574.0 | 0.00 | 0.00 | 0.0 |
| 11,500.0 | 90.06 | 179.49 | 9,634.4 | -1,640.3 | 574,1 | 1,673.9 | 0.00 | 0.00 | 0.0 |
| 11,600.0 | 90.06 | 179,49 | 9,634,3 | -1,740.3 | 575.0 | 1,773.7 | 0.00 | 0.00 | 0.0 |
| 11,700.0 | 90.06 | 179,49 | 9,634.2 | -1.840.3 | 575.9 | 1,873.6 | | | |
| 11,800.0 | 90.06 | 179.49 | 9,634,1 | -1,940.3 | 576.8 | 1,973.4 | 0.00 | 0.00 | 0.0 |
| | | 17.0.40 | 5,054,1 | -1,540.5 | 570,0 | 1,07.3.4 | 0,00 | 0.00 | 0.0 |
| 11,900.0 | 90.06 | 179.49 | 9,634.0 | -2,040.3 | 577.7 | 2,073.2 | 0.00 | 0.00 | 0.0 |
| 12,000.0 | 90.06 | 179,49 | 9,633,9 | -2,140.3 | 578.6 | 2,173.1 | 0.00 | 0.00 | 0.0 |
| 12,100.0 | 90.06 | 179.49 | 9,633,8 | -2,240.3 | 579.4 | 2,272.9 | 0.00 | 0.00 | 0.0 |
| 12,200.0 | 90.06 | 179.49 | 9,633,7 | -2,340.3 | 580.3 | 2,372.8 | 0.00 | 0.00 | 0.0 |
| 12,300.0 | 90.06 | 179.49 | 9,633.6 | -2,440.3 | 581.2 | 2,472.6 | 0.00 | 0.00 | 0.0 |
| 12,400.0 | 90.06 | 179,49 | 9,633.5 | -2,540.3 | 582.1 | | | | |
| 12,500.0 | 90.06 | 179.49 | | | | 2,572.5 | 0.00 | 0.00 | 0.0 |
| 12,600.0 | 90,06 | 179.49 | 9,633,4 | -2,640.3 | 583.0 | 2,672.3 | 0.00 | 0.00 | 0.0 |
| 12,700.0 | 90.06 | | 9,633.3 | -2,740.3 | 583.9 | 2,772.2 | 0.00 | 0.00 | 0.0 |
| | | 179.49 | 9,633.2 | -2,840,3 | 584.8 | 2,872.0 | 0.00 | 0.00 | 0,0 |
| 12,800.0 | 90.06 | 179,49 | 9,633.1 | -2,940.2 | 585.7 | 2,971.9 | 0.00 | 0.00 | 0.0 |
| 12,900.0 | 90.06 | 179.49 | 9,633.0 | -3,040.2 | 586.6 | 3,071.7 | 0.00 | 0.00 | 0.0 |
| 13,000.0 | 90.06 | 179.49 | 9,632.9 | -3,140.2 | 587.5 | 3,171.6 | 0.00 | 0.00 | 0.0 |
| 13,100.0 | 90.06 | 179.49 | 9,632.8 | -3,240.2 | 588.3 | 3,271.4 | 0.00 | 0.00 | 0.0 |
| 13,200.0 | 90.06 | 179,49 | 9,632.7 | -3,340.2 | 589.2 | 3,371,2 | 0.00 | 0.00 | 0.0 |
| 13,300.0 | 90.06 | 179.49 | 9,632.6 | -3,440.2 | 590.1 | 3,471.1 | 0.00 | 0.00 | 0.0 |
| | | | | | | | | | |
| 13,400,0 | 90.06 | 179,49 | 9,632.5 | -3,540.2 | 591.0 | 3,570.9 | 0.00 | 0.00 | 0.0 |
| 13,417.8 | 90.06 | 179.49 | 9,632.5 | -3,558.0 | 591.2 | 3,588.7 | 0.00 | 0.00 | 0.0 |
| | FSL & 450 FEL (| and the state of t | 12/22/2017 | 72127010 | | | | | |
| 13,500,0 | 90.06 | 179.49 | 9,632.4 | -3,640.2 | 591,9 | 3,670.8 | 0.00 | 0.00 | 0.0 |
| 13,600.0 | 90.06 | 179.49 | 9,632.3 | -3,740.2 | 592,8 | 3,770.6 | 0.00 | 0.00 | 0,0 |
| 13,700,0 | 90.06 | 179,49 | 9,632.2 | -3,840.2 | 593,7 | 3,870.5 | 0.00 | 0.00 | 0.0 |
| 13,800.0 | 90.06 | 179.49 | 9,632.1 | -3,940.2 | 594,6 | 3,970.3 | 0.00 | 0.00 | |
| 13,900.0 | 90.06 | 179.49 | 9,632.0 | -4,040.2 | 595.5 | 4,070.2 | 0.00 | 0.00 | 0.0 |
| 14,000.0 | 90.06 | 179.49 | 9,631.9 | -4.140.2 | 596.3 | 4,170.0 | | | 0.0 |
| 14,100.0 | 90.06 | 179.49 | 9,631.8 | -4,240.2 | | | 0.00 | 0.00 | 0.00 |
| 14,200.0 | 90.06 | 179.49 | | | 597.2 | 4,269.9 | 0.00 | 0.00 | 0.00 |
| | | | 9,631.7 | -4,340.2 | 598.1 | 4,369,7 | 0.00 | 0.00 | 0.00 |
| 14,300.0 | 90.06 | 179.49 | 9,631.6 | -4,440.2 | 599.0 | 4,469.5 | 0.00 | 0.00 | 0.00 |
| 14,400,0 | 90.06 | 179.49 | 9,631,5 | -4,540.2 | 599.9 | 4,569.4 | 0.00 | 0.00 | 0.00 |
| 14,500.0 | 90.06 | 179.49 | 9,631,4 | -4,640.2 | 600.8 | 4,669.2 | 0.00 | 0.00 | 0.00 |
| 14,600.0 | 90.06 | 179.49 | 9,631,3 | -4,740.2 | 601.7 | 4,769,1 | 0.00 | 0.00 | 0.00 |
| 14,700.0 | 90,06 | 179.49 | 9,631.2 | -4,840.2 | 602.6 | 4,868.9 | 0.00 | 0.00 | 0.00 |
| 14,739.8 | 00.05 | | | | | | | | |
| 14,/33.8 | 90.06 | 179,49 | 9,631.2 | -4.880.0 | 602.9 | 4,908.7 | 0.00 | 0.00 | 0.00 |

| Database: Company: Project: Site: Well: Wellbore: | Hobbs Mewbourne Oil Company Lea County, New Mexico NAD 83 Ibex 10/15 B1AP Fed Com #2H SL: 400 FNL & 1010 FEL (Sec 10) BHL: 100 FSL & 450 FEL (Sec 15) | Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: | Site Ibex 10/15 B1AP Fed Com #2H WELL @ 3396.0usft (Original Well Elev) WELL @ 3396.0usft (Original Well Elev) Grid Minimum Curvature |
|--|--|---|---|
| Design: | Design #1 | | |

| Measured Depth (usft) | Inclination (°) | Azimuth (*) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (*/100usft) | Build Rate (*/100usft) | Turn Rate (*/100usft) |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 19.918.0 | 90.06 | 179.49 | 9.626.0 | -10.058.0 | 649.0 | 10,078.9 | 0.00 | 0.00 | 0.00 |

| Design Targets | | | | | | | | | |
|---|--|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|------------|--------------|
| Target Name - hit/miss target - Shape | Dip Angle (") | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| SL: 400 FNL & 1010 FE - plan hits target ce - Point | 10 CONTRACTOR 10 | 0.00 | 0.0 | 0.0 | 0.0 | 483,192.00 | 813,364.00 | 32.3252938 | -103.4526863 |
| KOP: 10 FNL & 450 FE - plan hits target ce - Point | 1 (| 0.00 | 9,159.0 | 395.0 | 556.0 | 483,587.00 | 813,920.00 | 32.3263669 | -103.4508759 |
| FTP: 100 FNL & 450 FE - plan hits target ce - Point | | 0.00 | 9,437.9 | 305,0 | 556,8 | 483,497.00 | 813,920.80 | 32.3261195 | -103.4508757 |
| BHL: 100 FSL & 450 FE - plan hits target ce - Point | | 0.00 | 9,626.0 | -10,058.0 | 649.0 | 473,134.00 | 814,013.00 | 32.2976343 | -103,4508535 |
| PPP4: 2640 FSL & 450 - plan hits target ce - Point | 1.000 DB 000 | 0.00 | 9,628.5 | -7,517.0 | 626.4 | 475,675.00 | 813,990.39 | 32.3046189 | -103.4508590 |
| PPP3: 0 FNL & 450 FEI - plan hits target ce - Point | and the second se | 0.00 | 9,631.2 | -4,880.0 | 602.9 | 478,312.00 | 813,966,93 | 32.3118673 | -103,4508646 |
| PPP2: 1321 FSL & 450 - plan hits target ce - Point | 2 | 0.00 | 9,632.5 | -3,558.0 | 591.2 | 479,634.00 | 813,955.17 | 32.3155012 | -103.4508675 |



JAMES BRUCE ATTORNEY AT LAW

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

jamesbrue@aol.com

May 23, 2019

CERTIFIED MAIL

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed is a copy of an application for compulsory pooling, filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, regarding two Bone Spring wells in the E/2E/2 of Section 10 and the E/2E/2 of Section 15, Township 23 South, Range 34 East, N.M.P.M., Lea County, New Mexico.

This matter is set for hearing at 8:15 a.m. on Thursday, June 13, 2019, 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 this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting the matter 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, June 6, 2019. This statement must be filed with the Division's Santa Fe office at the above address, and should include: The names 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.

Very, truly yours,

James Bruce Attorney for Mewbourne Oil Company

EXHIBIT/



Black & Gold Resources, LLC 25025 IH 45 N, Suite 420 Spring, TX 77380 Attn: David V, De Marco

Noel and Elizabeth Workman 488 Alexian Way, Apt. 108 Signal Mountain, TN 37377

P W Production, Inc. 15 E 5th St Suite 1000 Tulsa, OK 74103 Attn: Land Department

Pride Energy Company P.O. Box 701950 Tulsa, OK 74170

Charles C. Albright, III, Trustee 729 W. 16th Street, Suite B8 Costa Mesa, CA 92627

Douglas A. Tatum, P.C. 17480 Dallas Parkway Dallas, TX 75287

Boeme Land & Cattle Company, Inc. PO Box 63869 Pipe Creek, TX 78063-3869

Landis Drilling Co. P.O. Box 994 Midland, Texas 79701

Energy Investors 1987, L.P. 633 17th Street, Suite 2390-N Denver, CO 80202

Tom M. Ragsdale 400 N Sam Houston Pkwy E, Suite 601 Houston, TX 77060 Attn: Karen Stanford ABC Oil & Gas Properties e/o Gayla Burton 2100 Campbell Road NW Albuquerque, NM 87104

Phoebe Tompkins c/o Andy Tompkine 955 Dutch Road Fairview PA 16415

Rutherford Family 1970 Trust 321 Grove Dr. Portola Valley, CA 94028

Curry Services LLLP 13107 SW Ascension Dr. Tigard, OR 97223

Royal Oak Oil & Gas, LLC 11510 Montmarte Blvd. Houston, TX 77082

R. Dean Williams Irrevocable Trust & Mark G. Kalpakis Irrevocable Trust 5416 Birchman Avenue Fort Worth, TX 76107-5111 Attn: Rachelle Whiteman

Maverick Oil & Gas Corporation 1001 W Wall St. Midland, TX 79701

Endeavor Energy Resources, L.P. 110 North Marienfeld Street, Suite 200 Midland, TX 79701

Blanco Holdings I, Ltd. P.O. Box 36530 Houston, TX 77236 Attn: Peter Way

Challenger Crude, Ltd. 3525 Andrews Highway Midland, Texas 79703 Attn: Kym Holman Marathon Oil Perminn LLC 5555 San Felipe St. Houston, TX 77056 Attn: Matt Brown

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Siana Oil & Gas Company, 1.1.C 400 N. Sam Houston Parkway East, Suite 601 Houston, Texas 77060 Attn: Karen Stanford

LRF Limited Partnership 1300 America 1st Tower Oklahoma City, OK 73102

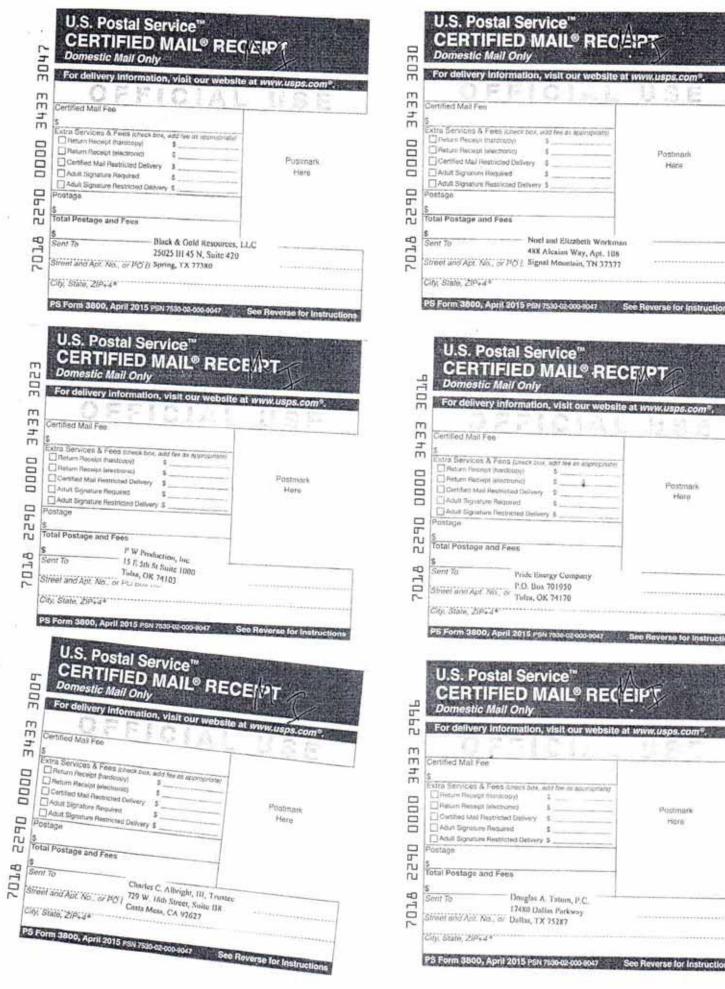
Joan M. Moore, Independent Executrix of the Estate of Larry Moore, deceased 3602 Cedar Elm Ln. Wichita Falls, TX 76308

Estoril Producing Corporation 400 W. Texas Ave. Midland, TX 79701

Estate of Max Curry 3525 Andrews Highway Midland, Texas 79703 Attn: Mr. Mike Curry

Chessie Exploration, Inc. P.O. Box 2960 Midland, TX 79702

ACF Petroleum Company 1370 Avenue of the Americas New York, NY 10019



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| , | Black & Gold Kesources, LLC 25025 HI 45 N, Suite 420 Spring, TX 77380 | If YES, enter delivery address below: No |
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| | Retherfard Family 1970 Trust | If YES, enter delivery address below: |
| | 321 Grove Dr. | |
| 2.43 | Portola Valley, CA 94028 | |
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| | Midland, TX 29701 | |
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| | Estate of Max Curry 3525 Andrews Highway Midland, Texas 79703 | | |
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| ŧ | Phoebe Tompkins eVs Andy Tompkins 955 Datch Road Fairwiew PA 16415 | If YES, enter delivery address b | elow: XNo |
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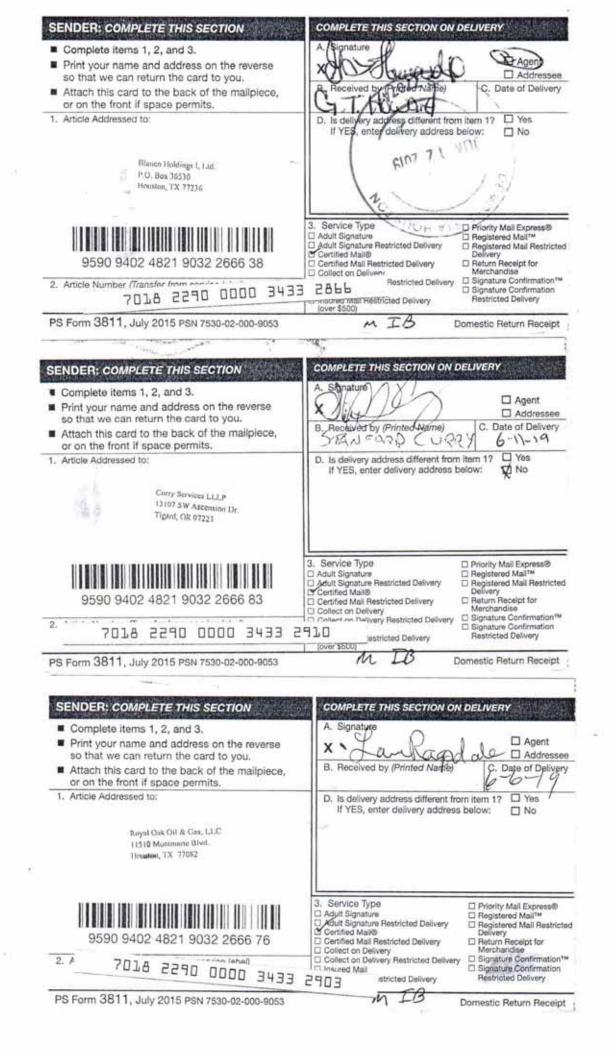
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Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

I, Todd Bailey, Editor 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 June 01, 2019 and ending with the issue dated June 01, 2019.

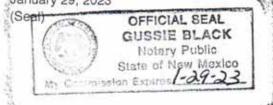
Edito

Sworn and subscribed to before me this 1st day of June 2019.

3Ca, b

Business Manager

My commission expires January 29, 2023



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 NOTICE JUNE 1, 2019

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EXHIBIT

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

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 MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

Case No. 20809

VERIFIED STATEMENT OF MITCH ROBB

Mitch Robb, being duly sworn upon his oath, deposes and states:

1. I am a landman for Mewbourne Oil Company ("Mewbourne"), and have personal knowledge of the matters stated herein. I have been qualified by the Division as an expert petroleum landman.

2. Pursuant to NMAC 19.15.4.12.A(1), the following information is submitted in support of the compulsory pooling application filed herein:

(a) The purpose of this application is to force pool working interest owners into the Bone Spring horizontal spacing unit described below, and in wells to be drilled in the unit.

(b) No opposition is expected because the interest owners being pooled have been contacted regarding the proposed well, but have failed or refused to voluntarily commit their interests to the well. Some interest owners may be unlocatable.

(c) A plat outlining the unit being pooled is attached hereto as Attachment A. Mewbourne seeks an order pooling all mineral interests in the Bone Spring formation underlying the E/2E/2 of Section 10 and the E/2E/2 of Section 15, Township 23 South, Range 34 East, NMPM. The unit will be dedicated to:

- the Ibex 10/15 B1AP Fed. Com. Well No. 2H, a horizontal well with a first take point in the NE/4 NE/4 of 10 and a final take point in the SE/4 SE/4 of Section 15;
- (ii) the Ibex 10/15 B3AP Fed. Com. Well No. 1H, a horizontal well with a first take point in the NE/4 NE/4 of 10 and a final take point in the SE/4 SE/4 of Section 15.

EXHIBIT

NMOCD Case No. 21324 EXHIBIT 4 - Karen Stanford Direct Testimony September 11, 2020

- (iii) the Ibex 15/10 B1PA Fed. Com. Well No. 2H, a horizontal well with a first take point in the SE/4 SE/4 of 15 and a final take point in the NE/4 NE/4 of Section 10.
- (iv) the Ibex 15/10 B3PA Fed. Com. Well No. 1H, a horizontal well with a first take point in the SE/4 SE/4 of 15 and a final take point in the NE/4 NE/4 of Section 10.

(d) The parties being pooled and their interests are set forth in Attachment B. Their current and correct addresses, or last known addresses, are also set forth.

(e) In order to locate the interest owners Mewbourne examined the county records, performed internet searches, checked telephone records, made calls to family members, and searched Accurint and Whitepages.

(f) The land affidavit submitted in Case 20580 contained a summary of contacts or attempted contacts with the interest owners, together with copies of the proposal letters sent to the interest owners.

(g) Mewbourne has made a good faith effort to obtain the voluntary joinder of the working interest owners in the proposed wells, or to locate the owners.

(h) Mewbourne has the right to pool the overriding royalty owners in the well unit.

(i) Attachment C contains the Authorizations for Expenditure for the proposed Ibex 15/10 B1PA Fed. Com. Well No. 2H and the Ibex 15/10 B3PA Fed. Com. Well No. 1H. The estimated costs of the wells set forth therein are fair and reasonable, and comparable to the costs of other wells of similar depth and length drilled in this area of Eddy County.

The AFEs for the Ibex 10/15 B1AP Fed. Com. No. 2H and Ibex 10/15 B3AP Fed. Com. No. 1H wells were previously submitted to the Division.

(j) Mewbourne Oil Company is requesting to amend the surface hole location ("SHL") and bottom hole location ("BHL") of the Ibex 10/15 B1AP Fed. Com. No. 2H, and the Ibex 10/15 B3AP Fed. Com. No. 1H, wells being pooled. The proration unit of all wells and the ownership within each tract included in the proration unit of all wells remains unchanged from the original application. The change was made necessary due to drilling hazards in the shallow vertical portion of the wells when the SHL is located in Unit A of Section 10, Township 23S Range 34E. The SHL will now be located in Unit P of Section 15, Township 23S Range 34E and the resultant BHL will be located in Unit A of Section 10, Township 23S Range 34E.

(k) Mewbourne requests overhead and administrative rates of \$8000/month for a drilling well and \$800/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this portion of Lea County. They are also the rates set forth in the Joint Operating Agreement for the well unit.

Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.

 Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.

(m) Mewbourne requests that it be designated operator of the wells.

(n) The attachments to this affidavit were prepared by me, or compiled from Company business records.

(o) The granting of this application is in the interests of conservation and the prevention of waste.

VERIFICATION

| STATE OF TEXAS |) |
|-------------------|-------|
| |) ss. |
| COUNTY OF MIDLAND |) |

Mitch Robb, being duly sworn upon his oath, deposes and states that: He is a landman for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.

Mitch Robb

SUBSCRIBED AND SWORN TO before me this 21 day of October, 2019 by Mitch Robb.

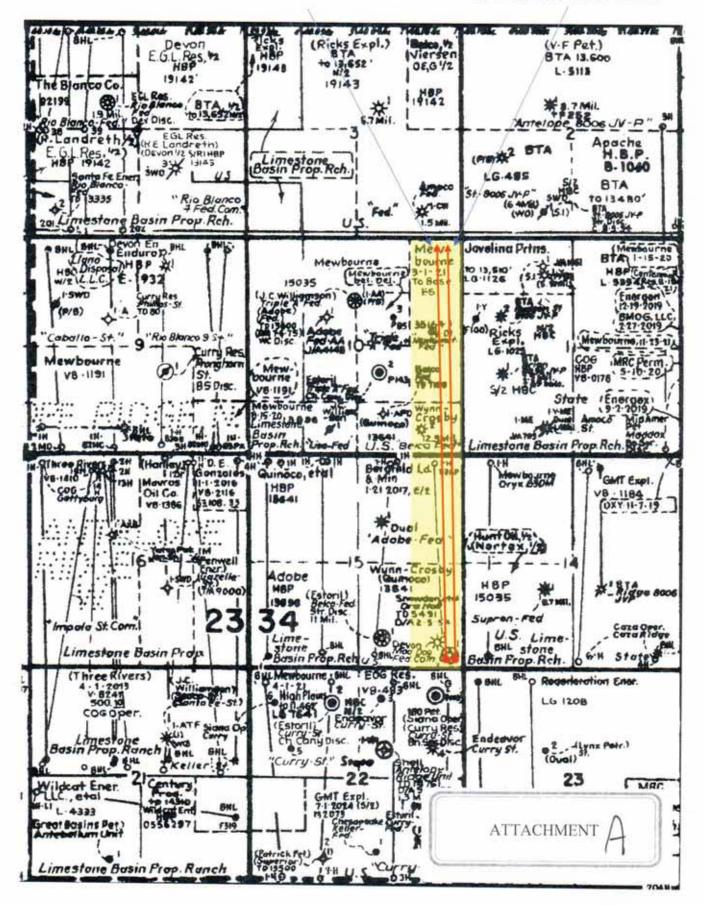
My Commission Expires January 11, 2002

& Killson

ALEJANDRA KIRKSEY Notary ID #131406744 Vy Commission Expires January 11, 2022

Ibex 15/10 B3PA Fed Com #1H

Ibex 15/10 B1PA Fed Com #1H



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

Œ

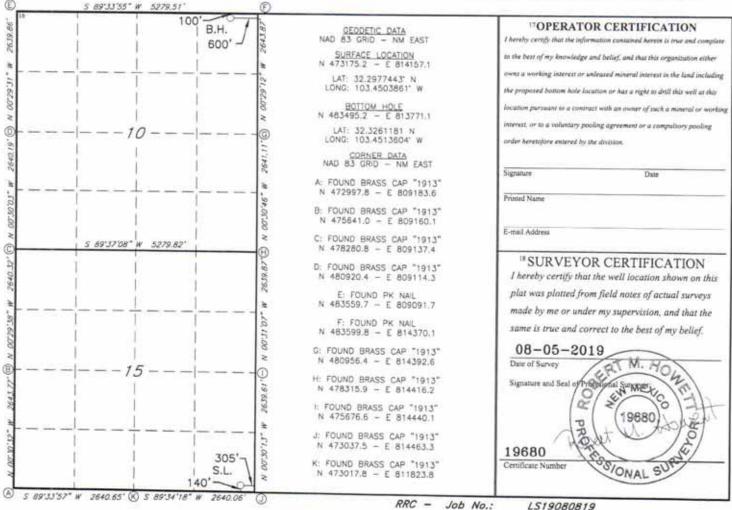
State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

- Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

| 1, | API Number | | | 2 Pool Code | | | 3 Pool Nan | ne | | |
|--------------------|---------------|-----------------|---|-------------|---|---------------------------|----------------------|------------------------|---------------------|--|
| 4Property Cod | | - L | ^{s Property Name} IBEX 15/10 B3PA FED COM | | | | | 6 Well Number 1H | | |
| 70GRID NO. | | | | MEWI | *Operator Name IEWBOURNE OIL COMPANY | | | | *Elevation 3413' | |
| | | | | | 10 Surface I | Location | | | | |
| UL or lot no. P | Section 15 | Township 23S | Range 34E | Lot Idn | Feet from the 140 | North/South line SOUTH | Feet From the 305 | East/West line EAST | County | |
| | | | 11 H | Bottom H | Iole Location | If Different Fro | m Surface | | | |
| UL or lot no. A | Section 10 | Township 23S | Range 34E | Lot Idn | Feet from the 100 | North/South line NORTH | Feet from the 600 | East/West line EAST | County | |
| Dedicated Acres | 13 Joint | or Infill 14 | Consolidation | Code 15 | Order No. | | | | | |

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



LS19080819

District 1 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District 11 811 S. First SL, Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District 111 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. E. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

5 89'33'55" W 5279.51'

E

1

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

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

| 1, | API Number | | | 2 Pool Cod | • | | 3 Pool Nar | ne | | |
|--------------------|---------------|-----------------|---------------|------------|--|---------------------------|-------------------|------------------------|---------------------|--|
| *Property Cod | ¢ | | | IBEX | ³ Property Name X 15/10 B1PA FED COM | | | | * Well Number 2H | |
| 70GRID NO. | | | | MEW | *Operator Name EWBOURNE OIL COMPANY | | | | *Elevation 3412' | |
| | | | | _ | 10 Surface I | Location | | | | |
| UL or lot no. P | Section 15 | Township 23S | Range 34E | Lot Idn | Feet from the 140 | North/South line | Feet From the 275 | East/West line EAST | County | |
| | | | 11 H | Bottom H | Hole Location | If Different Fro | m Surface | | - | |
| UL or lot no. A | Section 10 | Township 23S | | Lot Idn | Feet from the 100 | North/South line NORTH | Feet from the | East/West line EAST | County | |
| Dedicated Acres | 13 Joint | or Infill 1 | Consolidation | Code 15 | Order No. | | | | Lun | |

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

| NAD 83 GRID - NM EAST | I hereby certify that the information contained herein is true and complete |
|--|---|
| SURFACE LOCATION N 473175.4 - E 814187.1 | to the best of my knowledge and belief, and that this organization either |
| LAT: 32.2977442' N LONG: 103.4502889' W | wons a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well as this |
| <u>BOTTOM HOLE</u> N 483496.4 - E 813921.1 | location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling |
| LAT: 32.3261178 N LONG: 103.4508749" W | order heretofore entered by the division. |
| NAD B3 GRID - NM EAST | |
| A: FOUND BRASS CAP "1913" N 472997.8 - F 800183.6 | Signature Date |
| B: FOUND BRASS CAP "1913" | Printed Name |
| C: FOUND BRASS CAP "1913" | E-mail Address |
| D: FOUND BRASS CAP "1913" N 480920.4 - E 809114.3 | ¹¹ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this |
| E: FOUND PK NAIL N 483559.7 - E 809091.7 | plat was plotted from field notes of actual surveys made by me or under my supervision, and that the |
| F: FOUND PK NAIL N 483599.8 - E 814370.1 | same is true and correct to the best of my belief. |
| G: FOUND BRASS CAP "1913" N 480955.4 - E 814392.6 | 08-05-2019 Date of Survey |
| H: FOUND BRASS CAP "1913" N 478315.9 - E 814416.2 | Signature and Seal of Processional Surgers |
| I: FOUND BRASS CAP "1913" N 475676.6 - E 814440.1 | (19680) |
| J: FOUND BRASS CAP "1913" N 473037.5 - E 814463.3 | 13 the state |
| K: FOUND BRASS CAP "1913" N 473017.8 - E 811823.8 | Certificate Number |
| | N 473175.4 - E 814187.1 LAT: 32.2977442' N LONG: 103.4502889' W BOTTOM HOLE N 483496.4 - E 813921.1 LAT: 32.3261178 N LONG: 103.4508749' W CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1913" N 47297.8 - E 809183.6 B: FOUND BRASS CAP "1913" N 475641.0 - E 809160.1 C: FOUND BRASS CAP "1913" N 478280.8 - E 809187.4 D: FOUND BRASS CAP "1913" N 478280.8 - E 809137.4 D: FOUND BRASS CAP "1913" N 480920.4 - E 809114.3 E: FOUND PK NAIL N 4835597.7 - E 809091.7 F: FOUND PK NAIL N 483559.8 - E 814370.1 G: FOUND BRASS CAP "1913" N 480956.4 - E 814370.1 G: FOUND BRASS CAP "1913" N 478315.9 - E 814416.2 H: FOUND BRASS CAP "1913" N 475676.6 - E 814440.1 J: FOUND BRASS CAP "1913" N 473037.5 - E 814463.3 K: FOUND BRASS CAP "1913" |

<u>Tract Ownership</u> <u>E/2E/2 of Section 10 & E/2E/2 of Section 15, T23S, R34E</u> <u>Lea County, New Mexico</u>

<u>E/2E/2 of Section 10 &</u> <u>E/2E/2 of Section 15, T23S, R34E:</u>

Ownership:

| Mewbourne Oil Company, Operator, and Challenger Crude, Ltd., et al, as Non-Operators | 90.591689% |
|---|------------|
| *Endeavor Energy Resources, L.P. | 0.734950% |
| *Maverick Oil & Gas Corporation | 0.615736% |
| *Phoebe Thompkins | 0.020307% |
| *Tom M. Ragsdale | 4.890142% |
| *Energy Investors 1987, L.P. | 1.232000% |
| *Landis Drilling Co. | 0.533334% |
| *Douglas A. Tatum, P.C. | 0.667202% |
| *Charles C. Albright III, Trustee | 0.042088% |
| *Pride Energy Company | 0.351563% |
| *PW Production, Inc. | 0.139101% |
| *Noel and Elizabeth Workman | 0.102713% |
| *Black & Gold Resources | 0.079175% |
| *Siana Oil & Gas Company, LLC | 0.000000% |
| *LRF Limited Partnership | 0.000000% |
| *Estate of Larry Moore | 0.000000% |
| *Estoril Producing Corporation | 0.000000% |
| *Estate of Max Curry | 0.000000% |
| *Devon Energy Production Company, L.P. | 0.000000% |
| *Chessie Exploration, Inc. | 0.000000% |
| *Black & Gold Resources, LLC | 0.000000% |
| *ACF Petroleum Company | 0.000000% |

Total Interest being force pooled: 9.408311%

* Denotes an interest that is being force pooled.



MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

| Well Name: IBEX 15/10 B3PA FED | | - | BEX 15 / 10 | | |
|--|--|---|--|--|---|
| Location: SL: 140 FSL & 305 FEL (| | County: | | | ST: NM |
| Sec. 15 Bik: Survey: | TWP: 235 | RNG | 34E Prop. T | VD: 11304 | TMD: 21523 |
| | GIBLE COSTS 0180 | COD | E TCP | CODE | CC |
| Regulatory Permits & Surveys | | 0180-01 | and the second se | 00 0180-0200 | |
| Location / Road / Site / Preparation | | 0160-01 | the second se | 00 0180-0205 | \$25.0 |
| Location / Restoration | and the second sec | 0180-01 | | 00 0180-0206 | \$30,0 |
| Daywork / Turnkey / Footage Drilling | 32 days drig i 4 days comp @ \$21500/d | 0180-01 | | 00 0180-0210 | \$91.8 |
| Fuel Mud, Chemical & Additives | 1700 gal/day @ \$2,74/gal | 0180-01 | | 00 0180-0214 | \$420,0 |
| Horizontal Drillout Services | | 0180-01 | 20 \$200,00 | train and the second second second second | |
| Cementing | | - | | 0180-0222 | \$250,0 |
| Logging & Wireline Services | | 0180-01 | | 00 0180-0225 | \$30,0 |
| Casing / Tubing / Snubbing Service | | 0180-01 | and the second s | 00 0180-0230 | \$390,0 |
| Mud Logging | | 0180-01 | | | \$90,0 |
| Stimulation | 51 Stg 20.0 MM gal / 20.0 MM Ib | 0100-01 | 37 \$30,01 | | E2 220 / |
| Stimulation Rentals & Other | or any zoormin garr zoormin ib. | - | - | 0180-0241 | \$2,200,0 |
| Water & Other | | 0180-01 | 45 \$60,00 | | \$200,0 |
| Bits | | 0180-01 | and the second se | | \$8,0 |
| nspection & Repair Services | | 0180-01 | | the second se | \$5.0 |
| Misc. Air & Pumping Services | | 0180-01 | and the second se | 0180-0250 | \$10,0 |
| Testing & Flowback Services | | 0180-01 | | | \$10,0 |
| Completion / Workover Rig | | 9100-91 | 410.00 | 0180-0250 | |
| Rig Mobilization | | 0180-01 | 64 \$150,00 | | \$10,5 |
| Transportation | | 0180-01 | | 00 0180-0265 | \$20.0 |
| Welding Services | | 0180-01 | | and the second se | \$15.0 |
| Contract Services & Supervision | | 0180-01 | | and a second sec | \$15,0 |
| Directional Services | Includes Vertical Control | 0180-01 | and the second se | the second se | 300,0 |
| Equipment Rental | THE REAL PROPERTY OF THE PROPE | 0180-01 | | 00 0180-0280 | 6107 |
| Well / Lease Legal | | 0180-01 | | 00 0180-0280 | \$30,0 |
| Well / Lease Insurance | | 0180-01 | | 00 0160-0284 | |
| ntangible Supplies | | 0180-01 | | | P10.0 |
| Damages | | 0180-01 | | | \$10,0 |
| ROW & Easements | | 0180-01 | | 0180-0290 | \$4.0 |
| Pipeline Interconnect | | 0100-01 | 02 | 0180-0292 | 34,0 |
| Company Supervision | | 0180-01 | 95 \$168.00 | | \$105,6 |
| Overhead Fixed Rate | | 0180-01 | | | \$105,0 |
| Well Abandonment | | 0180-01 | the second se | 0180-0298 | \$20,0 |
| Contingencies | 2% (TCP) 2% (CC) | 0180-01 | and the second sec | the second s | £00.4 |
| | | - | 1.1.1.1 | | \$99,1 |
| | TOTAL | | \$2,938,90 | 20 | \$5,054,0 |
| | SIBLE COSTS 0181 | | | | |
| Casing (19.1" - 30") | | 0181-07 | 93 | | |
| Casing (10.1" - 19.0") | 1350' - 13 3/8" 54.5# J-55 ST&C @ \$38.48/ft | 0181-07 | 94 \$55,50 | 10 | |
| Casing (8.1" - 10.0") | 4985" - 9 5/8" 36# J-55 LT&C @ \$24.67/h | 0181-07 | 95 \$131,30 | >0 | |
| Casing (6.1" - 8.0") | 11550" - 7" 29# HCP-110 LT&C @ \$23.84/h | 0161-07 | 98 \$294,10 | 00 | |
| Casing (4.1" - 6.0") | 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/h | - | | 0181-0797 | \$139,3 |
| Tubing Drilling Head | 10800" - 2 7/8" 6.5# L-80 Tbg @ \$5.74/tt | | | 0181-0798 | \$66,2 |
| Tubing Head & Upper Section | | 0181-08 | 66 \$40,00 | | |
| forizontal Completion Tools | Completion Liner Hanger | - | | 0181-0870 | \$30,0 |
| Sucker Rods | completion Liner nanger | | | 0181-0871 | \$70,0 |
| ubsurface Equipment | | - | - | 0181-0875 | |
| Artificial Lift Systems | One Life Victory & alter | | | 0181-0880 | |
| Pumping Unit | Gas Lift Valves & pkr | - | | 0181-0884 | \$25,0 |
| Surface Pumps & Prime Movers | (1/2) VRU/SWD pump/circ pump | - | - | 0181-0885 | |
| anks - Oil | (1/2) 4 4 4 5 5 6 5 6 6 6 7 5 0 6 6 1 6 7 5 0 6 6 7 5 0 6 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 7 5 0 6 1 6 7 5 0 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 6 7 5 0 6 1 7 5 0 6 1 7 5 0 6 1 7 5 0 6 7 5 0 6 1 7 5 0 6 1 7 5 0 6 7 5 0 6 1 7 5 0 7 5 0 6 1 7 5 0 | - | | 0181-0888 | \$25.0 |
| anks - Water | (1/2) 5 - 750 bbl coated | - | | 0181-0890 | \$57.0 |
| eparation / Treating Equipment | 30"x10'x14# 3 ph/36"x15'x1k# | - | | 0161-0891 | \$57,5 |
| leater Treaters, Line Heaters | 6"x20"x75# HT | - | | 0181-0895 | \$67,5 |
| Aetering Equipment | | - | - | 0181-0897 | \$27,0 |
| | (1/2) 1.30 Mile 4" Wtr | | | 0181-0898 | \$14,0 |
| ine Pipe & Valves - Gathering | | | - | 0181-0900 | 519,0 |
| ine Pipe & Valves - Gathering ittings / Valves & Accessories | (influence and a sub- | | | 0181-0906 | \$100,0 |
| | furt reasoning at the | - | | Distant Property | 38.0 |
| ittings / Valves & Accessories | | | - | 0181-0908 | |
| ittings / Valves & Accessories Sathodic Protection | Automation, Battery power, power line, location inclu | | - | 0181-0909 | \$250,0 |
| ittings / Valves & Accessories athodic Protection fectrical Installation | Automation, Battery power, power line, location inclu | | | 0181-0909 0181-0910 | \$250,0 \$50,0 |
| ittings / Valves & Accessories athodic Protection lectrical Installation quipment Installation | Automation, Battery power, power line, location inclue (1/2) 1.30 Mile 4" Wtr | | | 0181-0909 0181-0910 0181-0920 | \$250,0 \$50,0 |
| ittings / Valves & Accessories athodic Protection lectrical Installation quipment Installation | Automation, Battery power, power line, location inclu | | \$520,90 | 0181-0909 0181-0910 0181-0920 | \$250,0 \$50,0 \$10,0 \$10,0 \$1,015,5 |
| ittings / Valves & Accessories athodic Protection lectrical Installation quipment Installation | Automation, Battery power, power line, location inclue (1/2) 1.30 Mile 4" Wtr | | \$520.90 | 0181-0909 0181-0910 0181-0920 | \$250,0 \$50,0 \$10,0 \$1,015,5 |
| ittings / Valves & Accessories athodic Protection lectrical Installation quipment Installation | Automation, Battery power, power line, location inclus (1/2) 1.30 Mile 4" Wtr TOTAL SUBTOTAL | | \$3,459,80 | 0181-0909 0181-0910 0181-0920 00 | \$250,0 \$50,0 \$10,0 \$1,015,5 |
| ittings / Valves & Accessories althodic Protection lectrical Installation quipment Installation ipeline Construction xtra Expense Insurance lefect to be covered by Operator has secured Extra lefect to purchase my own | Automation, Battery power, power line, location inclus (1/2) 1.30 Mile 4" Wtr TOTAL SUBTOTAL SUBTOTAL TOTAL WELL COST perator's Extra Expense insurance and pay my proportic Expense insurance covering costs of well control, clean up in well control insurance policy. | priate share and redrill | \$3,459,80 \$9, | 0181-0909 0181-0910 0181-0920 0 529,300 | \$250,0 \$50,0 \$10,0 \$1,015,1 \$6,069,5 |
| ittings / Valves & Accessories althodic Protection lectrical Installation quipment Installation ipeline Construction xtra Expense Insurance lefect to be covered by Operator has secured Extra lefect to purchase my own | Automation, Battery power, power line, location inclus (1/2) 1.30 Mile 4" Wtr TOTAL SUBTOTAL SUBTOTAL TOTAL WELL COST perator's Extra Expense insurance and pay my proportic Expense insurance covering costs of well control, clean up | priate share and redrill | \$3,459,80 \$9, | 0181-0909 0181-0910 0181-0920 0 529,300 | \$250,0 \$50,0 \$10,0 \$1,015,1 \$6,069,5 |
| ittings / Valves & Accessories althodic Protection lectrical Installation quipment Installation ipeline Construction xtra Expense Insurance lefect to be covered by Operator has secured Extra lefect to purchase my own | Automation, Battery power, power line, location inclus (1/2) 1.30 Mile 4" Wtr TOTAL SUBTOTAL SUBTOTAL TOTAL WELL COST perator's Extra Expense insurance and pay my proportic Expense insurance covering costs of well control, clean up in well control insurance policy. | private shar and redritt | \$3,459,80 \$9, | 0181-0909 0181-0910 0181-0920 0 529,300 | \$250,0 \$50,0 \$10,0 \$1,015,1 \$6,069,5 |
| Ittings / Valves & Accessories athodic Protection lectrical Installation quipment: Installation lipeline Construction xtra Expense Insurance lefet to be covered by O Operator has secured Extra Director has secured Extra i elect to purchase my own mether box is checked above, non-operating wor Prepared by | Automation, Battery power, power line, location inclus [1/2] 1.30 Mile 4" Wtr TOTAL SUBTOTAL SUBTOTAL TOTAL WELL COST perator's Extra Expense insurance and pay my proportie Expense insurance covering costs of well control, clean up in well control insurance policy. Insurance elects to be covered by Operator's well costs of the Jacob Maxey Date | prinate shar and redritt meutance | \$3,459,80 \$9, e of the premium. ing as estimated in 2019_ | 0181-0909 0181-0910 0181-0920 0 529,300 | \$250.0 \$50.0 \$10.0 \$1,015./ \$6,069.1 |
| Ittings / Valves & Accessories athodic Protection lectrical installation quipment installation ipeline Construction ktra Expense Insurance I elect to be covered by Operator has secured Extra D i elect to purchase my ownetther box is checked above, non-operating wor Prepared by | Automation, Battery power, power line, location inclue (1/2) 1.30 Mile 4" Wtr TOTAL SUBTOTAL SUBTOTAL TOTAL WELL COST Derator's Extra Expense insurance and pay my proportic Expense insurance covering costs of well control, clean up in well control insurance policy. King interest owner elects to be covered by Operator's well control in | onate shar and redrit neutance | \$3,459,80 \$9, e of the premium. ing as estimated in 2019_ | 0181-0909 0181-0910 0181-0920 0 529,300 | \$250.0 \$50.0 \$10.0 \$1,015, \$6,069, |

ATTACHMENT

Revised: 01/31/2018

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

| The function of the private of | COM #2H Pros | pect: IBEX | 15/10 | | |
|--|--|-------------------------------|---|--|---|
| Location: SL: 140 FSL & 275 FEL (| 15); BHL: 100 FNL & 450 FEL (10) Co | ounty: Lea | | | ST: NM |
| Sec. 15 Blk: Survey: | TWP: 23S | RNG: 34 | E Prop. TVI | 9684 | TMD: 19900 |
| INTA | NGIBLE COSTS 0180 | CODE | TCP | CODE | CC |
| legulatory Permits & Surveys | | 0180-0100 | and the second se | 0180-0200 | |
| ocation / Road / Site / Preparation | | 0180-0105 | | 0180-0205 | \$25.0 |
| ocation / Restoration | And the second sec | 0180-0106 | \$200,000 | 0180-0206 | \$30,00 |
| Daywork / Turnkey / Footage Drilling | 30 days drig / 4 days comp @ \$21500/d | 0180-0110 | \$688,900 | 0180-0210 | \$91,8 |
| uel | 1700 gal/day @ \$2.74/gal | 0180-0114 | \$149,200 | 0180-0214 | \$420.0 |
| Aud, Chemical & Additives | | 0180-0120 | \$225,000 | 0180-0220 | |
| iorizontal Drillout Services | | | | 0180-0222 | \$250,0 |
| Cementing | | 0180-0125 | \$100,000 | 0180-0225 | \$30,0 |
| ogging & Wireline Services | | 0180-0130 | \$2,500 | 0180-0230 | \$390,0 |
| asing / Tubing / Snubbing Service | | 0180-0134 | \$20,000 | 0180-0234 | \$90,0 |
| Aud Logging | | 0180-0137 | \$30,000 | | |
| Stimulation | 51 Stg 20.0 MM gal / 20.0 MM Ib | | | 0180-0241 | \$2,200,0 |
| Stimulation Rentals & Other | | - Contractor | COLUMN STREET | 0180-0242 | \$200,0 |
| Vater & Other | | 0180-0145 | \$60,000 | 0180-0245 | \$900,0 |
| lits | | 0180-0148 | \$125,000 | 0180-0248 | \$8,0 |
| nspection & Repair Services | | 0180-0150 | \$40,000 | 0180-0250 | \$5,0 |
| Aisc. Air & Pumping Services | | 0180-0154 | | 0180-0254 | \$10,0 |
| esting & Flowback Services | | 0180-0158 | \$15,000 | 0180-0258 | \$30,0 |
| Completion / Workover Rig | | | | 0180-0260 | \$10,5 |
| tig Mobilization | | 0180-0164 | \$150,000 | | |
| (ransportation | | 0180-0165 | \$30,000 | Concernation of the second second | \$20,0 |
| Velding Services | | 0180-0168 | \$5,000 | Concernation of the second | \$15,0 |
| Contract Services & Supervision | tables of distances of | 0180-0170 | \$49,500 | 0180-0270 | \$60,0 |
| Xrectional Services | Includes Vertical Control | 0180-0175 | \$350,000 | | |
| Equipment Rental | | 0180-0180 | the second se | 0180-0286 | \$30,0 |
| Vell / Lease Legal | | 0180-0184 | \$5,000 | And the second se | |
| Veil / Lease Insurance | | 0180-0185 | \$5,200 | Concentration of the local division of the l | |
| ntangible Supplies | | 0180-0188 | \$8,000 | Contraction of the local division of the loc | \$10,0 |
| Damages | | 0180-0190 | \$5,000 | Personal Property in the local division of the | |
| tOW & Easements | | 0180-0192 | | 0180-0292 | \$4,0 |
| Pipeline Interconnect | | diameter and | | 0180-0293 | 1 |
| Company Supervision | | 0180-0195 | \$158,400 | and the second se | \$105,6 |
| Overhead Fixed Rate | | 0180-0196 | \$10,000 | Contraction of the local division of the loc | \$20.0 |
| Well Abandonment | | 0180-0198 | | 0180-0298 | |
| Contingencies | 2% (TCP) 2% (CC) | 0180-0199 | \$55,900 | 0180-0299 | \$99,1 |
| | TOTAL | | \$2,849,500 | | \$5,054,0 |
| Casing (19.1" - 30") | GIBLE COSTS 0181 | | | | |
| Casing (10.1" - 30) | | 0181-0793 | | <u> </u> | |
| Casing (8.1" - 10.0") | 1350" - 13 3/8" 54,5# J-55 ST&C @ \$38,48/t | 0181-0794 | \$55,500 | - | |
| Casing (6.1" - 8.0") | 4985" - 9 5/8" 36# J-55 LT&C @ \$24.67/ft | 0181-0795 | \$131,300 | - | - |
| Casing (4.1" - 6.0") | 9950' - 7" 29# HCP-110 LT&C @ \$23.84/h | 0181-0796 | \$253,300 | | |
| ubing | 10700' - 4 1/2" 13.5# P-110 BPN @ \$12.16/t | | | 0181-0797 | \$139,00 |
| Drilling Head | 9200' + 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft | DIST DECE | 210.000 | 0181-0798 | \$56,4 |
| Tubing Head & Upper Section | | 0181-0860 | \$40,000 | | |
| forizontal Completion Tools | Completion Liner Hanger | | | 0181-0870 | \$30.0 |
| jucker Rods | compresion cirrer nanger | | | 0181-0871 | \$70.0 |
| ubsurface Equipment | | | | and the second se | |
| vtificial Lift Systems | Gas Lift Valves & pkr | | | 0181-0880 | |
| | Gas Lift valves & pkr | | | 0181-0884 | \$25,0 |
| humoina Unit | | | | 0181-0885 | |
| | (1/2) VBU/SWD numericity current | | | manue month | |
| Surface Pumps & Prime Movers | (1/2) VRU/SWD pump/cire pump (1/2) 6 - 750 bbl | | | 0181-0886 | the second se |
| Surface Pumps & Prime Movers anks - Oil | (1/2) 6 - 750 bbl | | | 0181-0890 | \$57,0 |
| Pumping Unit Surface Pumps & Prime Movers anks - Oil anks - Water exparation / Treating Equipment | (1/2) 6 - 750 bbl (1/2) 5 - 750 bbl coated | | | 0181-0890 0181-0891 | \$57,00 \$57,50 |
| iurface Pumps & Prime Movers anks - Oil anks - Water eparation / Treating Equipment | (1/2) 6 - 750 bbl (1/2) 5 - 750 bbl coated 30"x10'x1\x#3 ph/36"x15'x1\x#/Gun bbl/VRT | | | 0181-0890 0181-0891 0181-0895 | \$57,00 \$57,50 \$67,50 |
| urface Pumps & Prime Movers anks - Oil anks - Water egaration / Treating Equipment leater Treaters, Line Heaters | (1/2) 6 - 750 bbl (1/2) 5 - 750 bbl coated | | | 0181-0890 0181-0891 0181-0895 0181-0897 | \$57,0 \$57,5 \$67,5 \$27,0 |
| urface Pumps & Prime Movers anks - Oil anks - Water eparation / Treating Equipment isoler Treaters, Line Heaters fetering Equipment | (1/2) 6 - 750 bbl (1/2) 5 - 750 bbl coated 30"x10'x1\x#3 ph/36"x15'x1\x#/Gun bbl/VRT | | | 0181-0890 0181-0891 0181-0895 0181-0897 0181-0898 | \$57,0 \$57,5 \$67,5 \$27,0 \$14,0 |
| iurface Pumps & Prime Movers anks - Oil anks - Water eparation / Treating Equipment leater Treaters, Line Heaters fetering Equipment ine Pipe & Valves - Gathering | (1/2) 6 - 750 bbi (1/2) 5 - 750 bbi coated 30"x10'x1k#/3 ph/36"x15'x1k#/Gun bbi/VRT 8'x20'x75e HT | | | 0181-0890 0181-0891 0181-0895 0181-0895 0181-0898 0181-0898 0181-0900 | \$57,0 \$57,5 \$67,5 \$27,0 \$14,0 \$19,0 |
| iurface Pumps & Prime Movers anks - Oil anks - Water eparation / Treating Equipment leater Treaters, Line Heaters fetering Equipment ine Pipe & Valves - Gathering ittings / Valves & Accessories | (1/2) 6 - 750 bbi (1/2) 5 - 750 bbi coated 30"x10'x1k#/3 ph/36"x15'x1k#/Gun bbi/VRT 8'x20'x75e HT | | | 0181-0890 0181-0891 0181-0895 0181-0897 0181-0898 0181-0900 0181-0906 | \$57,0 \$57,5 \$67,5 \$27,0 \$14,0 \$19,0 \$19,0 \$100,0 |
| iurface Pumps & Prime Movers anks - Oil anks - Water eparation / Treating Equipment leater Treaters, Line Heaters fetering Equipment ine Pipe & Valves - Gathering ittings / Valves & Accessories iathodic Protection | (1/2) 6 - 750 bbl (1/2) 5 - 750 bbl coated 30"x10"x1%#3 ph/36"x15'x1%#/Gun bbl/VRT 8"x20"x754 HT (1/2) 1.30 Mile 4" Wtr | | | 0181-0890 0181-0895 0181-0895 0181-0897 0181-0898 0181-0898 0181-0900 0181-0908 0181-0908 | \$57,00 \$57,50 \$67,50 \$27,00 \$14,00 \$19,00 \$19,00 \$190,00 \$8,00 |
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Signature:

Joint Owner Name:

Revised: 01/31/2018

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

APPLICATIONS OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

Case No. 20809

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.
- I am an attorney for Mewbourne Oil Company.

3. Mewbourne Oil 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 application filed herein.

 Notice of the application was provided to the interest owners, at their last known addresses, by certified mail. Copies of the notice letter and certified return receipts are attached hereto as Attachment A.

5. Applicant 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: 10/3/19

uns Fauce

James Bruce



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)

jamesbrue@aol.com

September 12, 2019

CERTIFIED MAIL

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed is a copy of an application for compulsory pooling (Case No. 20809), filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, regarding two Bone Spring wells in the E/2E/2 of Section 10 and the E/2E/2 of Section 15, Township 23 South, Range 34 East, N.M.P.M., Lea County, New Mexico.

This matter is set for hearing at 8:15 a.m. on Thursday, October 3, 2019, 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 this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting the matter at a later date. (Please note that the persons listed as Record Title Owners do not own a cost-bearing interest, and are being noticed for communitization agreement purposes only.)

A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, September 26, 2019. This statement must be filed with the Division's Santa Fe office at the above address, and should include: The names 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.

Very truly yours,

Suice

Attorney for Mewbourne Oil Company



Exhibit A

Working Interest Owners:

Black & Gold Resources, LLC 25025 IH 45 N, Suite 420 Spring, TX 77380 Attn: David V. De Marco

Noel and Elizabeth Workman 488 Alexian Way, Apt. 108 Signal Mountain, TN 37377

PW Production, Inc. 15 E 5th Street, Suite 1000 Tulsa, OK 74103 Attn: Land Department

Pride Energy Company P.O. Box 701950 Tulsa, OK 74170

Charles C. Albright, III, Trustee 729 W. 16th Street, Suite B8 Costa Mesa, CA 92627

Douglas A. Tatum, P.C. 17480 Dallas Parkway Dallas, TX 75287

Landis Drilling Co. P.O. Box 994 Midland, Texas 79701

Energy Investors 1987, L.P. 633 17th Street, Suite 2390-N Denver, CO 80202

Tom M. Ragsdale Suite 601 400 N. Sam Houston Pkwy East Houston, TX 77060 Attn: Karen Stanford Phoebe Tompkins c/o Andy Tompkins 955 Dutch Road Fairview PA 16415

Maverick Oil & Gas Corporation 1001 West Wall Street Midland, TX 79701

Endeavor Energy Resources, L.P. Suite 200 110 North Marienfeld Street Midland, TX 79701

Record Title Owners:

Siana Oil & Gas Company, LLC Suite 601 400 N. Sam Houston Parkway East Houston, Texas 77060 Attn: Karen Stanford

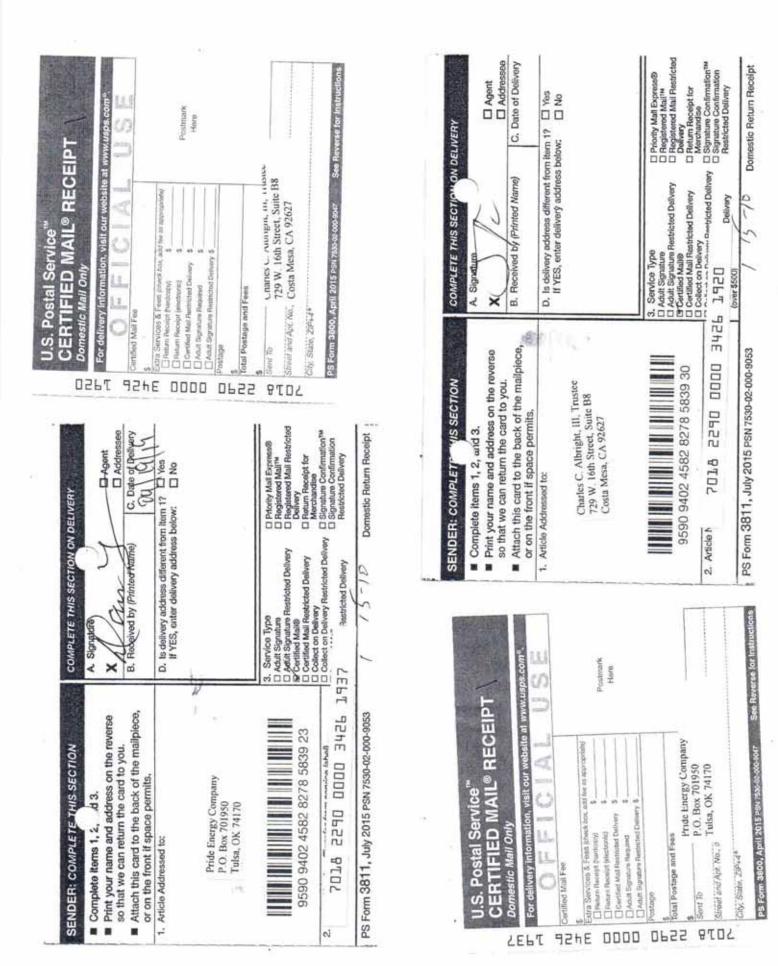
LRF Limited Partnership 1300 America 1st Tower Oklahoma City, OK 73102

Joan M. Moore, Independent Executrix of the Estate of Larry Moore 3602 Cedar Elm Lane Wichita Falls, TX 76308

Estoril Producing Corporation 400 W. Texas Avenue Midland, TX 79701

Chessie Exploration, Inc. P.O. Box 2960 Midland, TX 79702

ACF Petroleum Company 1370 Avenue of the Americas New York, NY 10019



| U.S. Postal Service [™] CERTIFIED MAIL [®] RECEIPT Domestic Mail Only | For delivery information, visit our website at www.usps.com ² . | The many frace of the roots proved on a service on approxyment Thereary hands process on a service on approxyment Thereary handshare the proven of the there are a service on the thereary the there are a service on the thereary the | S III S C | Diry Stan, ZiPiete PS Form 3800, April 2015 PSN 7530-02-003-047 See Reverse for Instructions | |
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| SECTION ON DELIVERY | A. Sighter M. Agent A. Sighter M. Agent A. Sighter M. Addressee | D. Is delivery address different from item 12 1 Yes If YES, enter delivery address below: 1 No | Pronty Mail Express® Pronty Mail Express® Registered Mail™ Dollvery Dollvery | □ Contributed Mail Restricted Delivery □ Heurum receipt for □ Contributer ==================================== | 1 15-10 Domestic Return Receipt |
| SENDER: COMPLETE THIS SECTION | Complete items 1, 2,,d 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. | Article Addressed to: PW Production, Inc. 15 E 5th Street, Suitc 1000 Tulsa, OK 74103 | | 2. Article Number (Transfer from) 000 3426 | PS Form 3811, July 2015 PSN 7530-02-000-9053 |

| U.S. Postal Service" | SENDER: COMPLETE THIS SECTION | COMPLETE THIS SECTION ON DELIVERY |
|---|--|---|
| CERTIFIED MAIL® RECEIPT | Complete items 1, 2,,d 3. Print your name and address on the reverse | A. Signature |
| For delivery information, visit our website at www.usps.com*. | so that we can return the card to you. Attach this card to the back of the malipiece, or on the front if space permits. | B. Received by (Printed Name) C. Date of Delivery |
| Carified Mail Fee | 1. Article Addressed to: | D. Is delivery address different from item 1? TYPS FIT YES, enter delivery address below: |
| Extra Services & Feas (Inters) has any interval (Intern Process) Postmark Intern Receipt (Intercept) 3 Postmark Postmark 8 Postmark Postmark 8 Postmark Adde Signature Peaking 5 Postmark | Maverick Oil & Gas Corporation 1001 West Wall Street Midland, TX 79701 | |
| Poutage | | |
| Total Postage and Fees S | | Service Type Control of the service of the |
| Sent To PW Production, Inc. Stried and Apr Noi, 15 E 5th Street, Suite 1000 | 9590 9402 4582 8278 5839 92 | |
| Clip, State, 20P.44* | 2. Article 701.8 0360 0000 21.88 | 8 0 4 3 5 atricted betwery to signature Confirmation |
| PS Form 3800, April 2015 PSN 752-02-300-8047 See Reverse for Instructions | | (overano) |

| Complete items 1, 2, w/d 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 mailplece, or on the front if space permits. | A. Signature X. P. M. C. M. J. M. M. M. J. C. D. B. Hacreived by (Printed Name) C. D. G. V. C. G. C. T. M. C. M. J. | C. Dayo of Delivery |
|---|--|--|
| Phoebe Tompkins c/o Andy Tompkins 955 Dutch Road Fairview PA 16415 | If YES, enter delivery address below: | |
| 9590 9402 4582 8278 5839 85 | stricted Delivery | D Priority Mail Express@ Registered Mail Repress@ Delivery Delivery |
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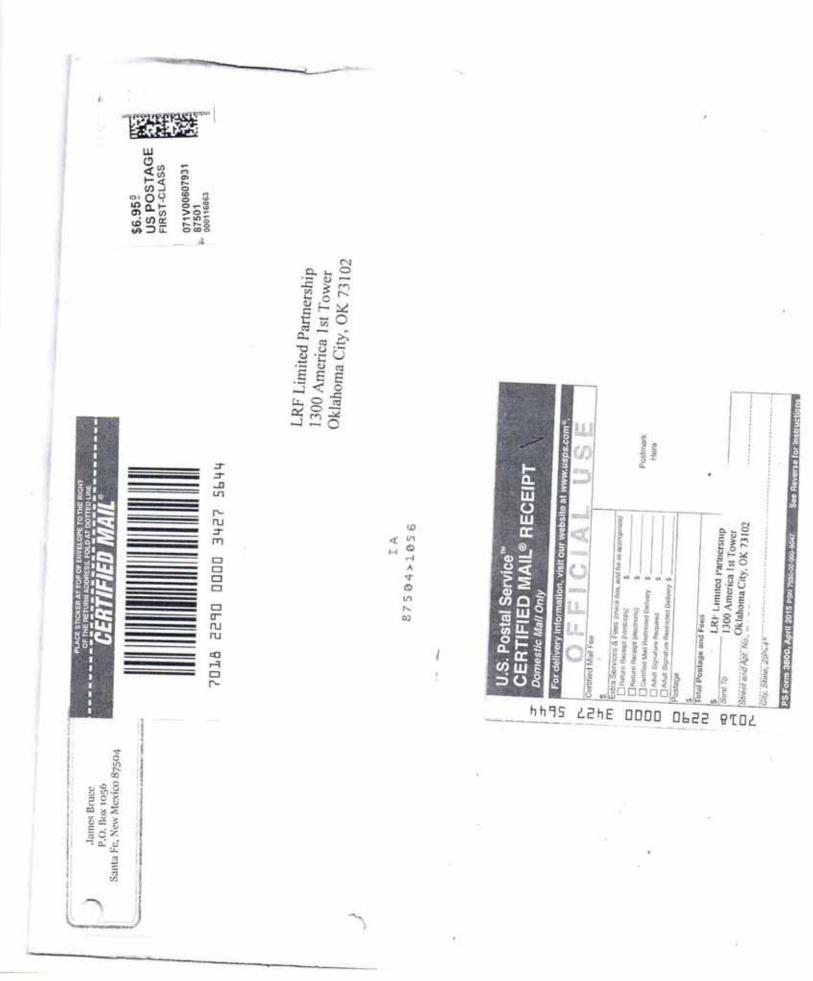
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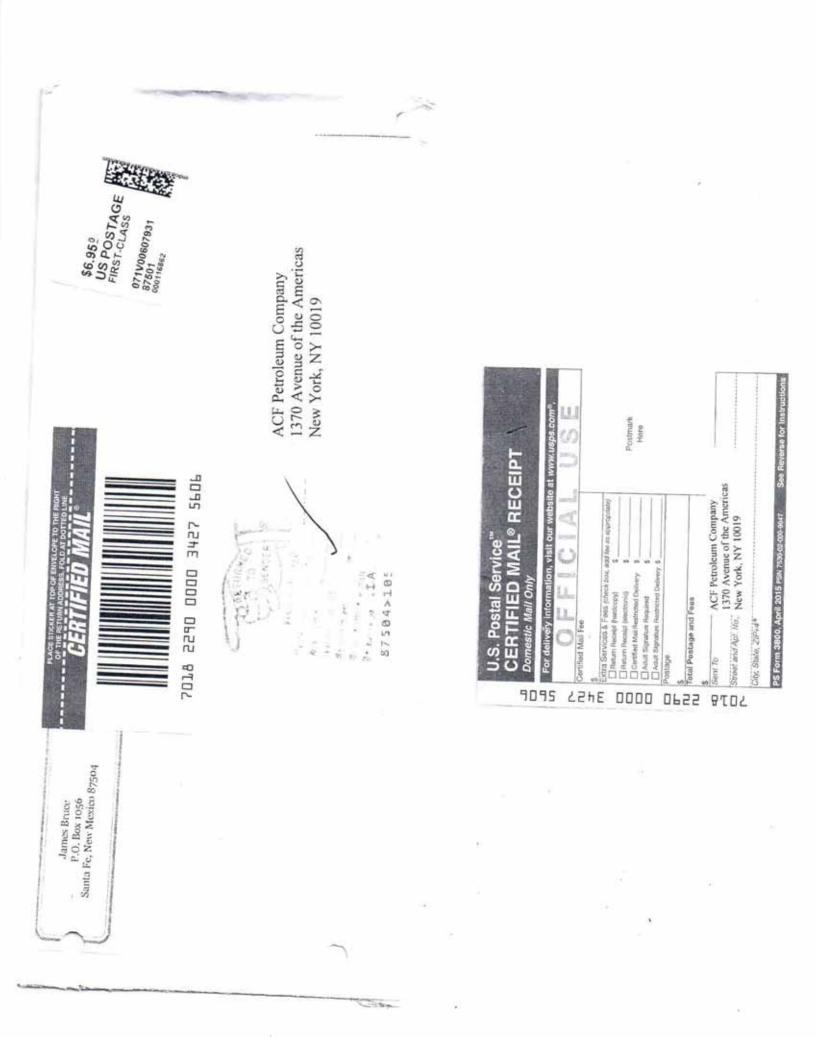
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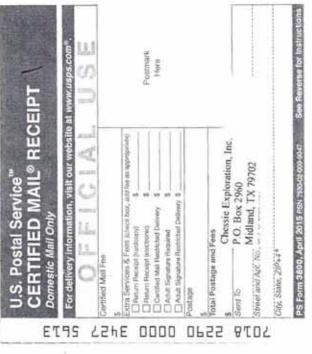


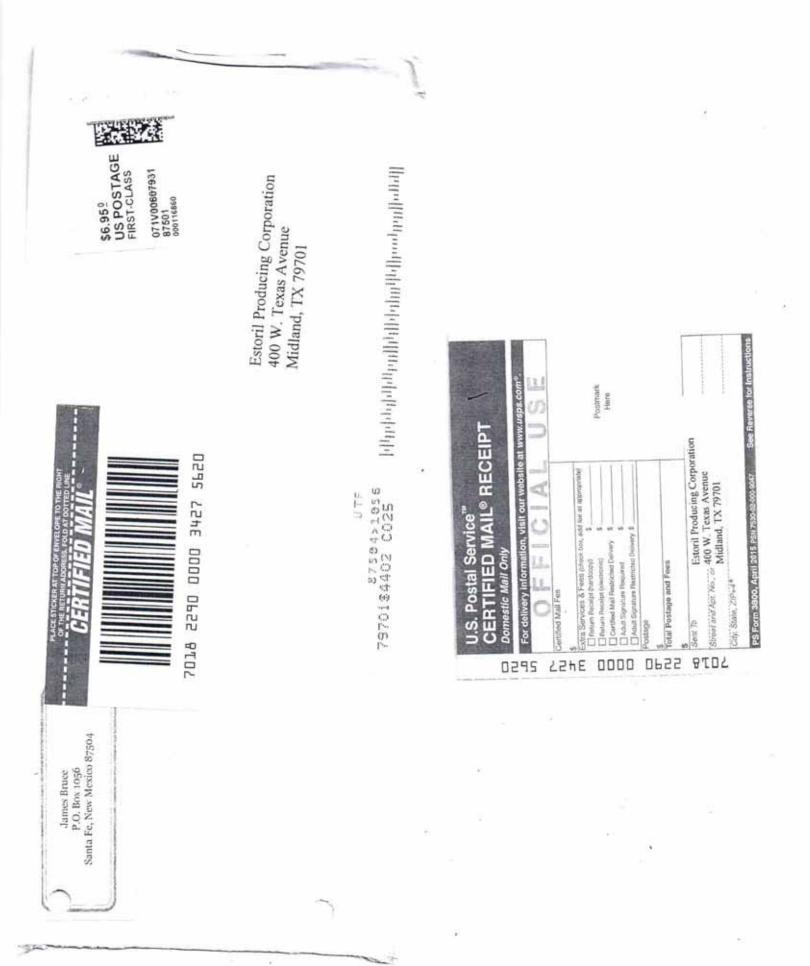
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Affidavit of Publication

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 September 19, 2019 and ending with the issue dated September 19, 2019.

Publisher

Sworn and subscribed to before me this 19th day of September 2019.

Cark

Business Manager

My commission expires January 29, 2023 (Seal) OFFICIAL SEAL GUSSIE BLACK Notary Public State of New Mexico My Commission Expires

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

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

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

APPLICATION OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

Case No. 20809

VERIFIED STATEMENT OF JORDAN CARRELL

COUNTY OF MIDLAND

STATE OF TEXAS

Jordan Carrell, being duly sworn upon his oath, deposes and states:

) ss.

1. I am over the age of 18, and have personal knowledge of the matters stated herein.

2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in this case. I have been qualified by the Division as an expert petroleum geologist.

The following geological plats are attached hereto:

(a) Attachment A is a structure map of the Bone Spring formation, on the top of the Third Bone Spring Sand. It shows that structure is relatively flat north to south and dips to the east and west, and that the planned wellbore would drill along strike. It also shows a line of cross-section, A-A'.

(b) Attachment B is a gross sand isopach of the Third Bone Spring Sand, the test zone for the proposed Ibex 15/10 B3PA Fed Com. Well No. 1H. It shows that the target sand across the well unit has a uniform thickness of approximately 300-330 feet.

(c) Attachment C is a stratigraphic cross section with well logs on the cross-section that give a representative sample of the Bone Spring formation in this area. The target zone for the Ibex 15/10 B3PA Fed Com. Well No. 1H is labeled as the Third Bone Spring Sand, showing the zone is continuous across the well unit.

(d) Attachment D is a gross sand isopach of the First Bone Spring Sand, the test zone for the proposed Ibex 15/10 B1PA Fed Com. Well No. 2H. It shows that the target sand across the well unit has a uniform thickness of approximately 215-230 feet.

(e) Attachment E is a stratigraphic cross section with well logs on the cross-section that give a representative sample of the Bone Spring formation in this area. The target zone

EXHIBIT

for the Ibex 15/10 B1PA Fed Com. Well No. 2H is labeled as the First Bone Spring Sand, showing the zone is continuous across the well unit.

I conclude from the maps that:

(a) The horizontal spacing unit is justified from a geologic standpoint.

(b) Each quarter-quarter section in the unit will contribute more or less equally to production.

(c) There is no faulting or other geologic impediment on the area which will affect the drilling of the subject well.

5. Attachment F is the Wellbore Survey Plan for the B3PA well. The producing interval of the proposed well will be orthodox.

6. Attachment G is the Wellbore Survey Plan for the B1PA well. The producing interval of the proposed well will be orthodox.

Jorden Caull

Jordan Carrell

VERIFICATION

STATE OF TEXAS)) ss. COUNTY OF MIDLAND)

Jordan Carrell, being duly sworn upon his oath, deposes and states that: He is a geologist for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.

Jorden Cauell

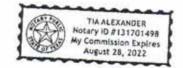
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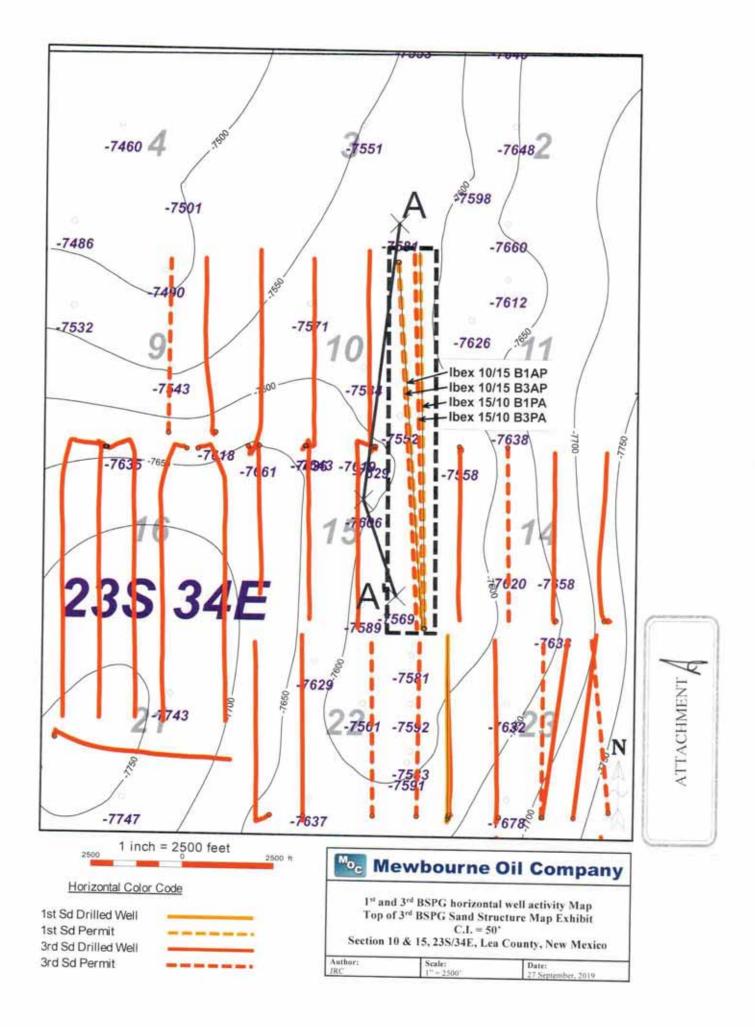
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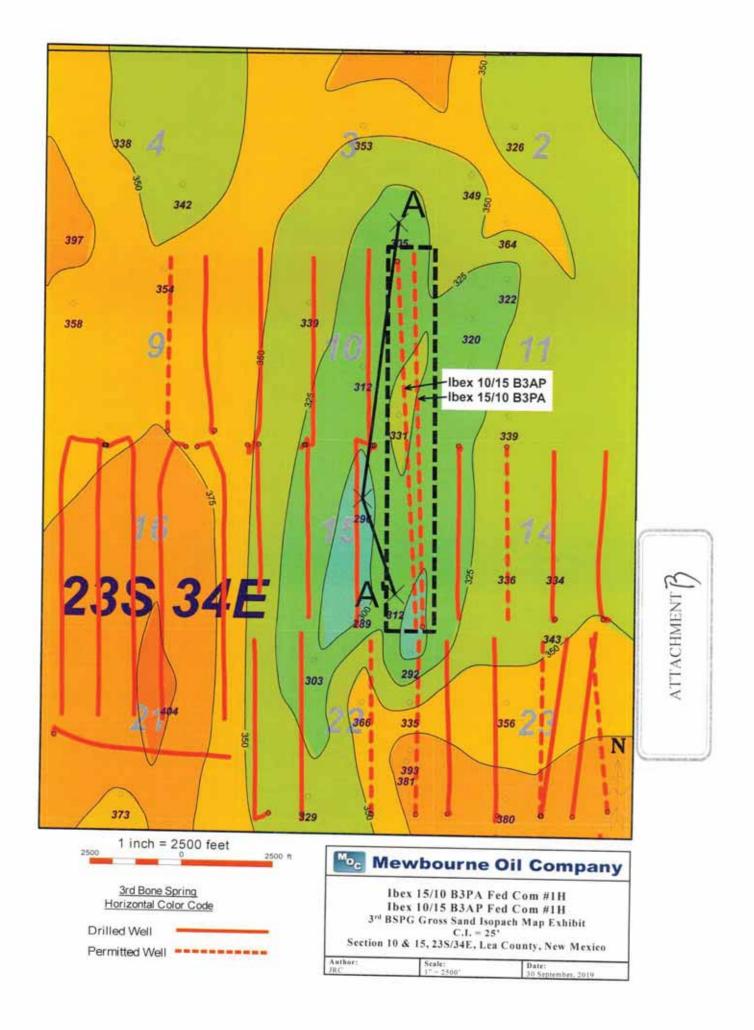
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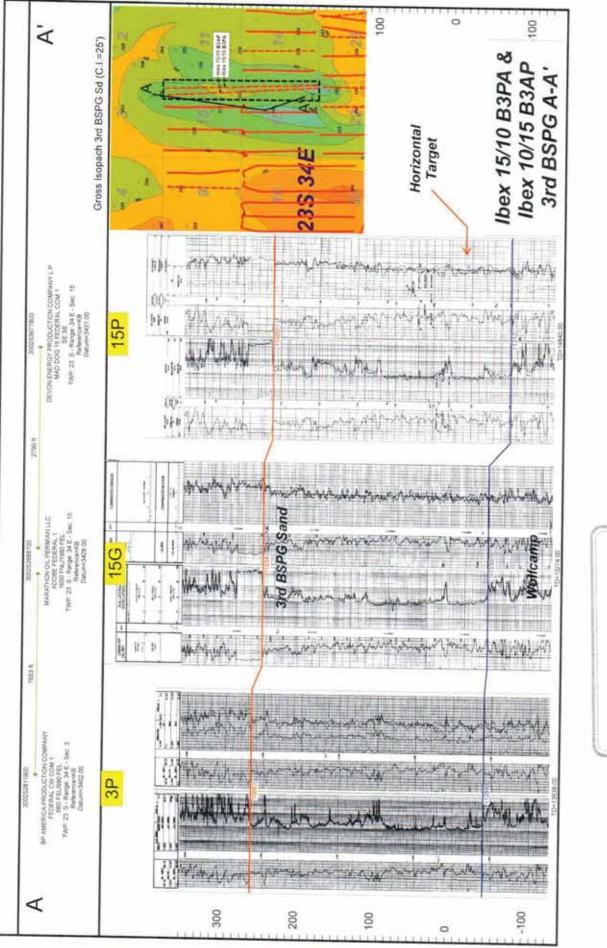
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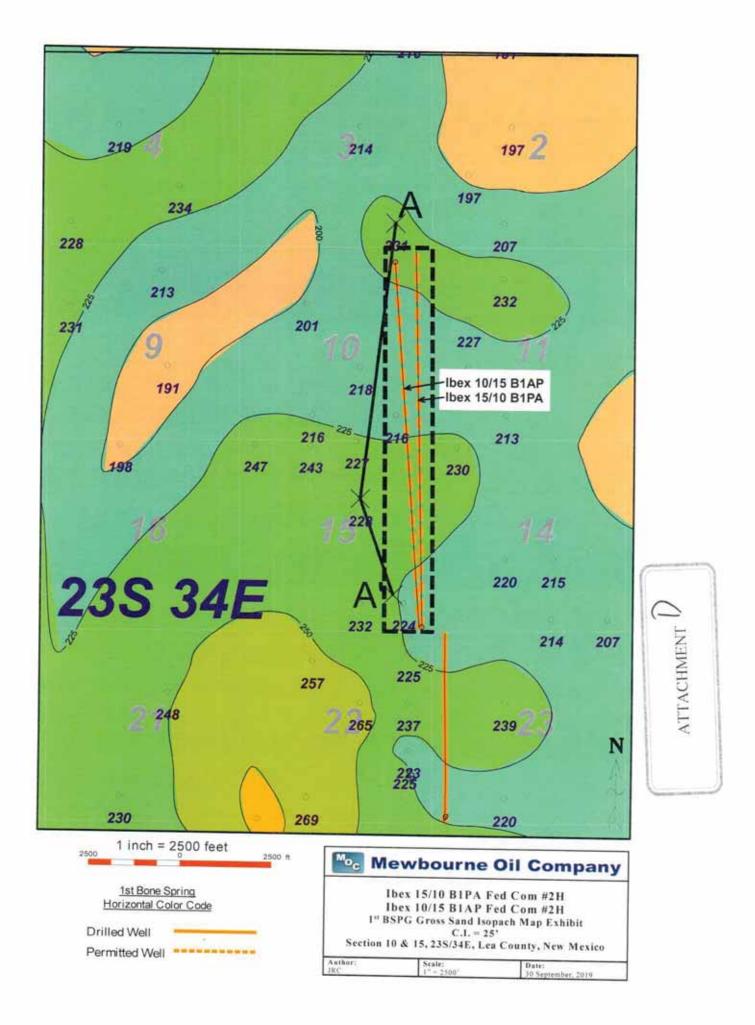


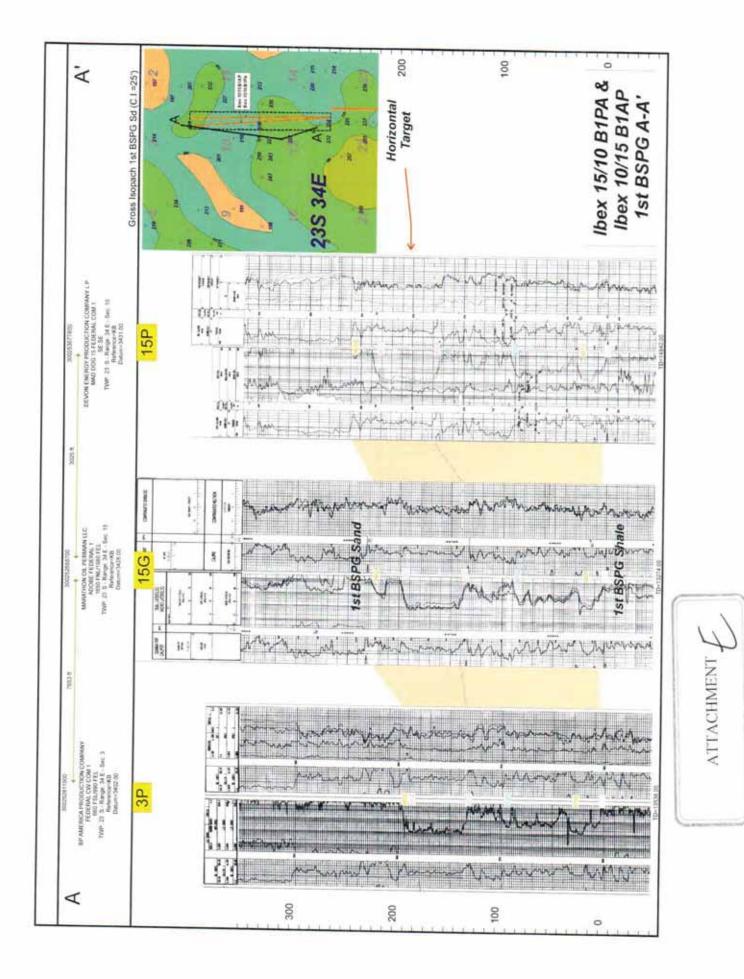






ATTACHMENTC





Mewbourne Oil Company

Eddy County, New Mexico NAD 83 Ibex 15/10 B3PA Fed Com #1H Sec 15, T23S, R34E SHL: 140' FSL & 305' FEL, Sec 15 BHL: 100' FNL & 600' FEL, Sec 10

Plan: Design #1

Standard Planning Report

21 August, 2019

ATTACHMENT F

| Company: Project: Site: Well: Wellbore: Design: | M Ed Ib St Bl | obbs owbourne Oil Ci ddy County, Nev ex 15/10 B3PA F ec 15, T23S, R3 fL: 100' FNL & f esign #1 | v Mexico NAD Fed Com #1H 4E | | TVD Re MD Refe North R | o-ordinate Ref ference: erence: eference: Calculation Ma | | WELL @ 3440 | 0 B3PA Fed Com 0.0usft (Original V 0.0usft (Original V ature | Aell Elev) |
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| Database; Company; Project: Site; Well: Well: Design: | Hobbs Mewbourne Oil Company Eddy County, New Mexico NAD 83 Ibex 15/10 B3PA Fed Com #1H Sec 15, T23S, R34E BHL: 100' FNL & 600' FEL, Sec 10 Design #1 | Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: | Site Ibex 15/10 B3PA Fed Com #1H WELL @ 3440.0usft (Original Well Elev) WELL @ 3440.0usft (Original Well Elev) Grid Minimum Curvature |
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| 1,800.0 | 1.95 | 245,82 | 1,799.7 | -7.5 | -16.6 | -6,8 | 0.00 | 0.00 | 0,0 |
| 1,900.0 | 1.04 | | | | | | | 0.00 | 0.0 |
| 2,000.0 | 1,95 | 245.82 | 1,899.6 | -8.9 | -19.7 | -8.1 | 0.00 | 0.00 | 0.0 |
| | 1.95 | 245.82 | 1,999.6 | -10.2 | -22.8 | -9.4 | 0.00 | 0.00 | 0.0 |
| 2,100,0 2,200,0 | 1,95 | 245.82 | 2,099.5 | -11.6 | -25.9 | -10.7 | 0.00 | 0.00 | 0.0 |
| | 1.95 | 245.82 | 2,199.5 | -13.0 | -29.0 | -11.9 | 0.00 | 0.00 | 0.0 |
| 2,300.0 | 1.95 | 245,82 | 2,299,4 | -14.4 | -32.1 | +13.2 | 0.00 | 0.00 | 0.0 |
| 2,400.0 | 1,95 | 245;82 | 2,399.4 | -15.6 | -35.2 | -14.5 | 0.00 | 0.00 | 0.0 |
| 2,500.0 | 1,95 | 245.82 | 2,499.3 | -17.2 | -38.3 | -15.8 | 0.00 | 0.00 | 0.0 |
| 2,600.0 | 1,95 | 245.82 | 2,599.2 | -18,6 | -41.5 | -17.0 | 0.00 | 0.00 | 0.0 |
| 2,700.0 | 1,95 | 245.82 | 2,699.2 | -20.0 | -44.6 | -18.3 | 0.00 | 0.00 | 0.0 |
| 2,800.0 | 1,95 | 245.82 | 2,799.1 | -21.4 | -47.7 | -19.6 | 0.00 | 0.00 | 0.0 |
| 2,900.0 | 1.05 | | | | | | | 0.00 | 0.0 |
| 3,000.0 | 1,95 | 245.82 | 2,899.1 | -22.8 | -50.8 | -20.9 | 0.00 | 0.00 | 0.0 |
| 3,100.0 | 1.95 | 245.82 | 2,999.0 | -24.2 | -53,9 | -22.2 | 0.00 | 0.00 | 0.0 |
| | 1.95 | 245.82 | 3,098,9 | -25.6 | -57.0 | -23,4 | 0.00 | 0.00 | 0.0 |
| 3,200.0 | 1,95 | 245.82 | 3,198.9 | -27.0 | -60.1 | -24.7 | 0.00 | 0,00 | 0.0 |
| 3,300.0 | 1.95 | 245.82 | 3,298.8 | -28.4 | -63.2 | -26.0 | 0.00 | 0.00 | 0.0 |
| 3,400.0 | 1.95 | 245.82 | 3,398.8 | -29.8 | -66.3 | -27.3 | 0.00 | 0.00 | 0.0 |
| 3,500.0 | 1,95 | 245,82 | 3,498,7 | -31.2 | -69,4 | -28.5 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 1.95 | 245.82 | 3,588.7 | -32.6 | -72.5 | -29.8 | 0.00 | 0.00 | |
| 3,700.0 | 1,95 | 245,82 | 3,698.6 | -33.9 | -75.6 | -31.1 | 0.00 | 0.00 | 0.0 |
| 3,800.0 | 1,95 | 245,82 | 3,798.5 | -35.3 | -78.7 | -32.4 | 0.00 | | 0,00 |
| 3 000 0 | | | | | | | | 0.00 | 0.0 |
| 3,900.0 | 1.95 | 245.82 | 3,898.5 | -36.7 | -81.8 | -33.7 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 1.95 | 245.82 | 3,998.4 | -38.1 | -84.9 | -34.9 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 1.95 | 245,82 | 4,098.4 | -39.5 | -88.0 | -36.2 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 1.95 | 245.82 | 4,198.3 | -40.9 | -91.1 | -37,5 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 1.95 | 245.82 | 4,298.3 | -42.3 | -94.2 | -38,8 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 1.95 | 245.82 | 4,398,2 | -43.7 | -97.3 | -40.0 | 0.00 | | |
| 4,500.0 | 1.95 | 245,82 | 4,498,1 | -45,1 | -100.5 | -41.3 | | 0.00 | 0.00 |
| 4,600.0 | 1,95 | 245.82 | 4,598.1 | -46.5 | -103.6 | | 0.00 | 0.00 | 0,00 |
| 4,700.0 | 1,95 | 245.82 | 4,698.0 | -47,9 | -106.7 | -42.6 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 1.95 | 245.82 | 4,798.0 | -49,3 | -106.7 | -43,9 | 0.00 | 0.00 | 0.00 |
| | | | | | | -45.1 | 0,00 | 0,00 | 0,00 |
| 4,900.0 | 1.95 | 245.82 | 4,897.9 | -50,7 | -112.9 | -46.4 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 1.95 | 245.82 | 4,997.8 | -52.1 | -116.0 | -47.7 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 1.95 | 245.82 | 5,097.8 | -53.5 | -119.1 | -49.0 | 0.00 | 0.00 | 0.00 |

| Database: Company: Project: Site: Well: Well: Wellbore: Design: | Hobbs Mewbourne Oil Company Eddy County, New Mexico NAD 83 Ibex 15/10 B3PA Fed Com #1H Sec 15, T23S, R34E BHL: 100' FNL & 600' FEL, Sec 10 Design #1 | Local Go-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: | Site Ibex 15/10 B3PA Fed Com #1H WELL @ 3440.0usft (Original Well Elov) WELL @ 3440.0usft (Original Well Elev) Grid Minimum Curvature |
|--|--|---|---|
|--|--|---|---|

Planned Survey

| Measured Depth (usft) | Inclination (*) | Azimuth (") | Vertical Depth (usft) | +N/-S (usft) | +EI-W (usft) | Vertical Section (usft) | Dogleg Rate (*/100usft) | Bulid Rate (*/100usft) | Tum Rate ("/100ustt) |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|----------------------------|
| 5,200.0 | 1.95 | 245.82 | 5,197.7 | -54.9 | -122.2 | -50.3 | 0.00 | In Berry Comments | The survey and |
| 5,300.0 | 1.95 | 245.82 | 5,297.7 | -56,3 | -125.3 | -51.5 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 1.95 | D 46 80 | | | | -01.0 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 1.95 | 245.82 | 5,397.6 | -57,6 | -128,4 | -52.8 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | | 245.82 | 5,497.6 | -59.0 | -131,5 | -54.1 | 0.00 | 0.00 | 0.00 |
| | 1.95 | 245.82 | 5,597,5 | -60.4 | -134.6 | -55.4 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 1.95 | 245.82 | 5,697,4 | -61.8 | -137.7 | -56.6 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 1.95 | 245.82 | 5,797.4 | -63.2 | -140.8 | -57.9 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 1.95 | 245.82 | 5,897,3 | | | | | 0.00 | 0,00 |
| 6,000.0 | 1.95 | 245.82 | | -64.6 | ~143.9 | -59.2 | 0.00 | 0,00 | 0.00 |
| 6,100.0 | 1.95 | 245.82 | 5,997.3 | -66.0 | -147.0 | -60.5 | 0.00 | 0.00 | 0.00 |
| 6,200.0 | 1.95 | 245.82 | 6,097.2 | -67.4 | -150,1 | -61.7 | 0.00 | 0.00 | 0.00 |
| 6,300.0 | 1.95 | | 6,197.2 | -68.8 | -153,2 | -63.0 | 0.00 | 0.00 | 0.00 |
| | 1.90 | 245.82 | 6,297.1 | -70.2 | -156,3 | -64.3 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 1.95 | 245.82 | 6,397.0 | -71.6 | -159.5 | -65.6 | 0.00 | | |
| 6,500.0 | 1.95 | 245,82 | 6,497.0 | -73.0 | -162.6 | -66.9 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 1.95 | 245.82 | 6,596.9 | -74.4 | -162.0 | | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 1.95 | 245.82 | 6,696.9 | -75.8 | | -68.1 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 1,95 | 245.82 | 6,796.8 | -77.2 | -168.8 | -69.4 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | | | | | -171.9 | -70.7 | 0.00 | 0.00 | 0.00 |
| | 1,95 | 245.82 | 6,896.7 | -78.6 | -175,0 | -72.0 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 1,95 | 245.82 | 6,996,7 | -80.0 | -178.1 | -73.2 | 0.00 | 0.00 | |
| 7,100,0 | 1.95 | 245,82 | 7,096.6 | -81.3 | -181.2 | -74.5 | 0.00 | | 0.00 |
| 7,200.0 | 1,95 | 245,82 | 7,196,6 | -82.7 | -184.3 | -75.8 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 1.95 | 245.82 | 7,296,5 | -84.1 | -187.4 | -77.1 | 0.00 | 0.00 | 0,00 |
| 7,400.0 | 1.95 | 245.82 | 7 900 5 | | | | 0,00 | 0.00 | 0.00 |
| 7,500.0 | 1.95 | 245.82 | 7,396,5 | -85,5 | -190,5 | -78.4 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 1,95 | | 7,496,4 | -86,9 | -193.6 | -79.6 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 1,95 | 245.82 | 7,596.3 | -88,3 | -196.7 | -80.9 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | | 245.82 | 7,696.3 | -89,7 | -199.8 | -82.2 | 0.00 | 0.00 | 0.00 |
| | 1.95 | 245.82 | 7,796.2 | -91.1 | -202.9 | -83.5 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 1,95 | 245.82 | 7,896.2 | -92.5 | -206.0 | 0.4.7 | | | |
| 8,000.0 | 1.95 | 245.82 | 7,996,1 | -93.9 | -200.0 | -84.7 | 0,00 | 0,00 | 0.00 |
| 8,100.0 | 1.95 | 245.82 | 8,096,1 | -95,3 | | -86,0 | 0.00 | 0,00 | 0.00 |
| 8,200.0 | 1.95 | 245.82 | 8,196.0 | +96.7 | -212.2 | -87,3 | 0.00 | 0,00 | 0.00 |
| 8,300.0 | 1.95 | 245,82 | 8,295,9 | | -215,3 | +88.6 | 0.00 | 0,00 | 0.00 |
| 8 400.0 | | | | -98,1 | -218.5 | -89.8 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 1.95 | 245.82 | 8,395.9 | -99,5 | -221.6 | -91.1 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 1.95 | 245.82 | 8,495.8 | -100.9 | -224.7 | -92.4 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 1.95 | 245.82 | 8,595.8 | -102.3 | -227.8 | -93.7 | 0.00 | | 0.00 |
| 8,700.0 | 1.95 | 245.82 | 8,695.7 | -103.7 | -230.9 | -95.0 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 1,95 | 245.82 | 8,795.6 | -105.1 | -234.0 | -96.2 | | 0.00 | 0.00 |
| 8,900.0 | 1.95 | 245.82 | | | | | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 1.95 | | 8,895,6 | -106.4 | -237,1 | -97,5 | 0.00 | 0.00 | 0.00 |
| 9,100.0 | | 245,82 | 8,995,5 | -107,8 | -240.2 | -98.8 | 0.00 | 0.00 | 0.00 |
| 8,200,0 | 1.95 | 245,82 | 9,095,5 | -109.2 | -243.3 | -100.1 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | 1.95 | 245.82 | 9,195.4 | -110,6 | -246.4 | -101,3 | 0.00 | 0.00 | 0.00 |
| | 1.95 | 245.82 | 9,295,4 | -112.0 | -249,5 | -102.6 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | 1.95 | 245.82 | 9,395,3 | -113.4 | .953.6 | | | | |
| 9,500.0 | 1.95 | 245.82 | 9,495,2 | -114.8 | -252.6 | -103.9 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 1.95 | 245.82 | 9,595.2 | | -255.7 | -105.2 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | 1.95 | 245.82 | 9,695.1 | -116.2 | -258,8 | -106.4 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 1.95 | 245.82 | | -117.6 | -261.9 | -107.7 | 0.00 | 0.00 | 0.00 |
| | | | 9,795.1 | -119.0 | -265.0 | -109.0 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 1,95 | 245.82 | 0,895,0 | -120.4 | -268.1 | -110.3 | 0.00 | | |
| 10,000,0 | 1,95 | 245.82 | 9,995.0 | -121.8 | -271.2 | -111.6 | | 0.00 | 0.00 |
| 10,100,0 | 1.95 | 245.82 | 10,094.9 | -123.2 | -274.3 | -112.8 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | 1.95 | 245.82 | 10,194.8 | -124.6 | -277.4 | | 0.00 | 0.00 | 0.00 |
| 10,300,0 | 1.95 | 245.82 | 10,294.8 | -126.0 | -280.6 | -114.1 | 0.00 | 0,00 | 0.00 |
| 10,400.0 | 1.95 | | | | | -115,4 | 0.00 | 0.00 | 0,00 |
| 10,500.0 | 1.95 | 245,82 | 10,394.7 | -127.4 | -283.7 | -116.7 | 0.00 | 0.00 | 0.00 |
| - an and the | 1.00 | 245.82 | 10,494.7 | -128.8 | -286.8 | -117.9 | 0.00 | 0.00 | 0.00 |

8/21/2019 12:15:55PM

COMPASS 5000.1 Build 72

| Database: Company: Project: Site: Well: Well: Wellbore: Design: | Hobbs Mewbourne Oil Company Eddy County, New Mexico NAD 83 Ibex 15/10 B3PA Fed Com #1H Sec 15, T23S, R34E BHL: 100' FNL & 600' FEL, Sec 10 Design #1 | Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: | Site Ibex 15/10 B3PA Fed Corn #1H WELL @ 3440.0usft (Original Well Elev) WELL @ 3440.0usft (Original Well Elev) Grid Minimum Curvature |
|--|--|---|--|
|--|--|---|--|

Planned Survey

| Depth (usft) | Inclination (*) | Azimuth (*) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate ("/100usft) | Bulld Rate (*/100usft) | Turn Rate (*/100usft) |
|-----------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|--|
| 10,600.0 | 1.95 | 245.82 | 10,594.6 | -130.1 | -289,9 | -119.2 | 0.00 | 0.00 | Constanting and the second sec |
| 10,658.0 | 1.95 | 245.82 | 10,682.5 | -131.1 | -292.0 | -120.1 | | | 0.00 |
| 10,700.0 | 1.47 | 245.82 | 10,694,5 | -131.5 | | | 0,00 | 0.00 | 0,00 |
| | | | | | -292.9 | -120,4 | 1,50 | -1.50 | 0,00 |
| 10,798.0 | 0.00 | 0.00 | 10,792.5 | -132.0 | -294,0 | -120.9 | 1.50 | -1.50 | 0.00 |
| | L & 600' FEL (15) | | | | | | | | |
| 10,800,0 | 0.24 | 359.50 | 10,794.5 | -132.0 | -294.0 | -120.9 | 12.00 | 12.00 | 0.00 |
| 10,900.0 | 12.24 | 359,50 | 10,893.8 | -121.1 | -294.1 | -110.1 | 12.00 | 12.00 | 0.00 |
| 11,000.0 | 24.24 | 359,50 | 10,988.6 | -89.9 | -294.4 | -78.8 | 12.00 | 12.00 | 0.00 |
| 11,096.0 | 35.76 | 359,50 | 11,071,6 | -42.0 | -294.8 | -30,9 | 12.00 | 12.00 | 0.00 |
| FTP: 100' FS | L & 600' FEL (15) | | | | | | Contract of | 18.19.9 | |
| 11,100.0 | 36.24 | 359.50 | 11,074.8 | -39.6 | -294.8 | 10.0 | | 100000 | |
| 11,200.0 | 48.24 | 359.50 | 11,148.7 | | | -28.6 | 12.00 | 12.00 | 0.00 |
| 11,300.0 | 60.24 | 359.50 | | 27.5 | -295.4 | 38.5 | 12.00 | 12.00 | 0.00 |
| 11,400.0 | 72.24 | | 11,207.0 | 108.5 | -296.1 | 119.4 | 12.00 | 12.00 | 0.00 |
| | | 359.50 | 11,247.2 | 199.8 | -296.9 | 210.8 | 12.00 | 12.00 | 0.00 |
| 11,500.0 | 84.24 | 359.50 | 11,267.6 | 297.5 | -297.8 | 308.5 | 12.00 | 12.00 | 0.00 |
| 11,546,4 | 89.80 | 359,50 | 11,270.0 | 343.8 | -298,2 | 354.7 | 12.00 | 12.00 | 0.00 |
| | & 600' FEL (15) | | | | | | | | |
| 11,600.0 | 89.80 | 359,50 | 11,270.2 | 397.4 | -298.7 | 408.3 | 0.00 | 0.00 | 0.00 |
| 11,700.0 | 89.80 | 359,50 | 11,270,5 | 497.4 | -299.5 | 508.3 | 0.00 | 0.00 | 0.00 |
| 11,800.0 | 89,80 | 359.50 | 11,270.9 | 597.4 | -300.4 | 608.2 | 0.00 | 0.00 | 0.00 |
| 11,900.0 | 89.80 | 359.50 | 11,271.2 | 697.4 | -301.3 | 708.2 | 0.00 | 0.00 | 0.00 |
| 12,000.0 | 89.80 | 359.50 | 11,271,5 | 797.4 | -302.2 | 808.2 | | | |
| 12,100.0 | 89.80 | 359.50 | 11,271.9 | 897.4 | -303.1 | 908.1 | 0.00 | 0.00 | 0,00 |
| 12,200.0 | 89.80 | 359.50 | 11,272,2 | 997.4 | -303,9 | | 0.00 | 0,00 | 0.00 |
| 12,300.0 | 89,80 | 359.50 | 11,272.6 | 1,097.4 | | 1,008,1 | 0.00 | 0.00 | 0.00 |
| 12,400.0 | 89.80 | 359.50 | 11,272.9 | | -304.8 | 1,108.0 | 0.00 | 0.00 | 0,00 |
| | | | | 1,197.4 | -305.7 | 1,208,0 | 0.00 | 0.00 | 0.00 |
| 12,500.0 | 89,80 | 359.50 | 11,273.2 | 1,297.4 | -306,6 | 1,308.0 | 0.00 | 0.00 | 0.00 |
| 12,600.0 | 89,80 | 359,50 | 11,273.6 | 1,397,4 | -307.5 | 1,407.9 | 0.00 | 0.00 | 0.00 |
| 12,700.0 | 89,80 | 359.50 | 11,273.9 | 1,497.4 | -308.3 | 1,507.9 | 0.00 | 0.00 | 0.00 |
| 12,800.0 | 89.80 | 359.50 | 11,274.3 | 1,597.4 | -309.2 | 1,607.8 | 0.00 | 0.00 | 0.00 |
| 12,900.0 | 89.80 | 359,50 | 11,274.6 | 1,697.4 | -310.1 | 1,707.8 | 0.00 | 0.00 | 0.00 |
| 13,000.0 | 89,80 | 359.50 | 11,275,0 | 1,797.4 | -311.0 | 1,807.7 | 0.00 | 0.00 | 0.00 |
| 13,100.0 | 89,80 | 359,50 | 11,275.3 | 1,897.4 | -311.9 | 1,907,7 | 0.00 | 0.00 | |
| 13,200,0 | 89.80 | 359,50 | 11,275.6 | 1,997.4 | -312.7 | 2,007.7 | 0.00 | | 0,00 |
| 13,300.0 | 89,80 | 359,50 | 11,276.0 | 2,097.4 | -313.6 | 2,107.6 | | 0.00 | 0,00 |
| 13,400.0 | 89.80 | 359,50 | 11,276.3 | 2,197,4 | -314.5 | 2,207.6 | 0.00 | 0.00 | 0.00 |
| 13,500.0 | 89.80 | 359.50 | 11,276.7 | 2,297.4 | | | | | 0.00 |
| 13,600.0 | 89.80 | 359.50 | 11,276.7 | | -315.4 | 2,307.5 | 0.00 | 0,00 | 0.00 |
| 13,700.0 | 89.80 | 359,50 | | 2,397.4 | -316.3 | 2,407.5 | 0.00 | 0.00 | 0.00 |
| 13,700.6 | 89.80 | 359,50 | 11,277.3 | 2,497.4 | -317.1 | 2,507.5 | 0.00 | 0.00 | 0.00 |
| | FNL & 600' FEL (1 | | 11,277.3 | 2,498.0 | -317.1 | 2,508.1 | 0.00 | 0.00 | 0.00 |
| 13,800.0 | 89.80 | 359.50 | 11,277.7 | 2,597,3 | 210.0 | 0.007.4 | | | |
| 13,900.0 | | | | | -318.0 | 2,607.4 | 0.00 | 0.00 | 0.00 |
| | 89,80 | 359.50 | 11,278.0 | 2,697.3 | -318,9 | 2,707.4 | 0.00 | 0.00 | 0.00 |
| 14,000.0 | 89.80 | 359.50 | 11,278.4 | 2,797.3 | ~319,B | 2,807.3 | 0.00 | 0.00 | 0.00 |
| 14,100.0 | 89.80 | 359,50 | 11,278.7 | 2,897.3 | -320,7 | 2,907.3 | 0.00 | 0.00 | 0.00 |
| 14,200.0 | 89,80 | 359,50 | 11,279.0 | 2,997.3 | -321.5 | 3,007.3 | 0.00 | 0.00 | 0.00 |
| 14,300.0 | 89,80 | 359.50 | 11,279,4 | 3,097,3 | -322,4 | 3,107,2 | 0.00 | 0.00 | 0.00 |
| 14,400.0 | 06.95 | 359.50 | 11,279.7 | 3,197.3 | -323.3 | 3,207.2 | 0.00 | 0.00 | |
| 14,500.0 | 89.80 | 359,50 | 11,280.1 | 3,297,3 | -324.2 | 3,307.1 | 0.00 | | 0.00 |
| 14,600.0 | 89.80 | 359.50 | 11,280.4 | 3,397.3 | -325.1 | 3,407.1 | 0.00 | 0.00 | 0.00 |
| 14,700.0 | 89.80 | 359.50 | 11,280,7 | 3,497.3 | -325.9 | 3,507.0 | | 0.00 | 0.00 |
| 14,800.0 | 89.80 | 359.50 | 11,281,1 | 3,597.3 | -326.8 | 3,607.0 | 0.00 | 0.00 | 0.00 |
| 14,900.0 | 89.80 | 359,50 | 11,281,4 | | | | 0.00 | 0.00 | 0.00 |
| 1.41.44.61.61 | 09.0U | 339.50 | 11 281 4 | 3,697,3 | -327.7 | 3,707.0 | 0.00 | 0.00 | 0.00 |

COMPASS 5000,1 Build 72

| Database: Company: Project: Site: Well: Well: Wellbore: Design: | Hobbs Mewbourne Oil Company Eddy County, New Mexico NAD 83 Ibex 15/10 B3PA Fed Com #1H Sec 15, T23S, R34E BHL: 100' FNL & 600' FEL, Sec 10 Design #1 | Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: | Site Ibex 15/10 B3PA Fed Com #1H WELL @ 3440.0usft (Original Well Elev) WELL @ 3440.0usft (Original Well Elev) Grid Minimum Curvature |
|--|--|---|---|
|--|--|---|---|

Planned Survey

| Depth (usft) | Inclination (*) | Azimuth (*) | Vertical Depth (usft) | +N/-S (usft) | +E7-W (usft) | Vertical Section (usft) | Dogleg Rate (*/100usft) | Bulld Rate (*/100usft) | Turn Rate (*/100usff) |
|-----------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 15,000.0 | 89,80 | 359,50 | 11,281,8 | 3,797.3 | -328.6 | 3,806.9 | 0.00 | 0.00 | A restriction of |
| 15,100.0 | 89,80 | 359.50 | 11,282.1 | 3,897.3 | -329.5 | 3,906.9 | | | 0.00 |
| 15,200.0 | 89.80 | 359.50 | 11,282.5 | 3,997.3 | -330.3 | | 0.00 | 0.00 | 0.00 |
| 15,300.0 | 89,80 | 359,50 | 11,282.8 | 4,097.3 | -331.2 | 4,006.8 | 0.00 | 0.00 | 0.00 |
| 15,400.0 | 89.80 | 359.50 | | | | | | 0,00 | 0.00 |
| 15,500.0 | 89.80 | 359,50 | 11,283.1 | 4,197.3 | -332.1 | 4,206,8 | 0.00 | 0,00 | 0.00 |
| 15,600.0 | 89.80 | | 11,283,5 | 4,297,3 | -333.0 | 4,306,7 | 0.00 | 0.00 | 0.00 |
| 15,700.0 | | 359,50 | 11,283,6 | 4,397,3 | -333.9 | 4,406.7 | 0.00 | 0.00 | 0.00 |
| | 89,80 | 359.50 | 11,284.2 | 4,497,3 | -334.7 | 4,506.6 | 0.00 | 0.00 | 0.00 |
| 15,800.0 | 89.80 | 359,50 | 11,284.5 | 4,597.3 | -335.6 | 4,606.6 | 0,00 | 0.00 | 0.00 |
| 15,900.0 | 89,80 | 359.50 | 11,284.8 | 4,697.3 | -336.5 | 4,706.5 | 0.00 | 0.00 | |
| 16,000.0 | 89,80 | 359,50 | 11,285.2 | 4,797.2 | -337.4 | 4,806.5 | | 0.00 | 0.00 |
| 16,100.0 | 69.80 | 359.50 | 11,285.5 | 4,897.2 | | | 0,00 | 0.00 | 0.00 |
| 16,200.0 | 89,80 | 359.50 | 11,285.9 | | -338.3 | 4,906.5 | 0.00 | 0,00 | 0.00 |
| 16,300.0 | 89.80 | 359.50 | 11,266.2 | 4,997.2 5,097.2 | -339.1 | 5,006.4 | 0.00 | 0.00 | 0.00 |
| 16,400.0 | | | | | -340,0 | 5,106.4 | 0.00 | 0.00 | 0.00 |
| 16,483.8 | 89.80 | 359.50 | 11,286.5 | 5,197.2 | -340.9 | 5,206.3 | 0.00 | 0.00 | 0.00 |
| | 89.80 | 359.50 | 11,286.8 | 5,281.0 | -341.6 | 5,290.1 | 0.00 | 0.00 | 0.00 |
| | & 600' FEL (10) | | | | | | | | 0.893 |
| 16,500.0 | 89.80 | 359,50 | 11,286.9 | 5,297.2 | -341.8 | 5,306,3 | 0.00 | 0.00 | 0.00 |
| 16,600,0 | 89,80 | 359,50 | 11,287,2 | 5,397.2 | -342.7 | 5,406.3 | 0,00 | 0.00 | 0.00 |
| 16,700.0 | 89,80 | 359,50 | 11,287.6 | 5,497.2 | -343.5 | 5,506.2 | 0.00 | 0.00 | 0.00 |
| 16,800.0 | 89.80 | 359.50 | 11,287.9 | 5,597.2 | -344.4 | | | | |
| 16,900,0 | 89.80 | 359.50 | 11,288.2 | 5,697.2 | | 5,606.2 | 0.00 | 0.00 | 0.00 |
| 17,000.0 | 89.80 | 359.50 | 11,288.6 | | -345.3 | 5,706.1 | 0.00 | 0.00 | 0.00 |
| 17,100.0 | 89,80 | 359.50 | 11,288.9 | 5,797.2 | -346.2 | 5,806.1 | 0.00 | 0.00 | 0.00 |
| 17,200.0 | 89,80 | 359.50 | | 5,897.2 | -347.1 | 5,906.1 | 0.00 | 0.00 | 0.00 |
| | | | 11,289.3 | 5,997.2 | -348,0 | 6,006.0 | 0.00 | 0.00 | 0.00 |
| 17,300.0 | 89,80 | 359.50 | 11,289,6 | 6,097.2 | -348,8 | 6,106.0 | 0.00 | 0.00 | 0.00 |
| 17,400.0 | 89,80 | 359.50 | 11,289,9 | 6,197.2 | -349.7 | 6,205.9 | 0.00 | 0.00 | 0.00 |
| 17,500,0 | 89.80 | 359.50 | 11,290.3 | 6,297.2 | -350.6 | 6,305,9 | 0.00 | 0.00 | 0.00 |
| 17,600.0 | 89,80 | 359.50 | 11,290,6 | 6,397.2 | -351.5 | 6,405.8 | 0.00 | 0.00 | |
| 17,700,0 | 89,80 | 359,50 | 11,291.0 | 6,497.2 | -352.4 | 6,505.8 | 0.00 | 0.00 | 0.00 |
| 17,800.0 | 89.80 | 359.50 | 11,291.3 | 6,597.2 | | | | | |
| 17,804,8 | 89.80 | 359.50 | 11,291,3 | | -353,2 | 6,605.8 | 0.00 | 0.00 | 0,00 |
| | SL & 600' FEL (| | 11,601.0 | 6,602.0 | -353.3 | 6,610.6 | 0.00 | 0.00 | 0.00 |
| 17,900.0 | 89.80 | | | | | | | | |
| 18,000.0 | | 359.50 | 11,291,7 | 6,697.2 | -354,1 | 6,705.7 | 0.00 | 0.00 | 0.00 |
| | 89.80 | 359.50 | 11,292.0 | 6,797.2 | -355,0 | 6,805.7 | 0.00 | 0.00 | 0.00 |
| 18,100.0 | 89.80 | 359,50 | 11,292.3 | 6,897.2 | -355.9 | 6,905.6 | 0.00 | 0.00 | 0.00 |
| 18,200,0 | 89,80 | 359.50 | 11,292.7 | 6,997,1 | -356,8 | 7,005.6 | 0.00 | 0.00 | |
| 18,300.0 | 89,80 | 359.50 | 11,293,0 | 7,097,1 | -357.6 | 7,105.6 | 0.00 | | 0.00 |
| 18,400.0 | 89,80 | 359,50 | 11,293.4 | 7,197.1 | -358.5 | 7,205.5 | 0.00 | 0,00 | 0.00 |
| 18,500.0 | 89,80 | 359,50 | 11,293,7 | 7,297,1 | -359,4 | 7,305.5 | | 0.00 | 0.00 |
| 18,600.0 | 89,80 | 359.50 | 11,294.0 | 7,397.1 | -360.3 | 7,405,4 | 0.00 | 0.00 | 0.00 |
| 18,700.0 | 89.80 | 359.50 | 11,294.4 | | | | | 0.00 | 0.00 |
| 18,800.0 | 89.80 | 359.50 | 11,294.4 | 7,497.1 | -361.2 | 7,505.4 | 0.00 | 0.00 | 0.00 |
| 18,900.0 | 89.80 | 359.50 | | 7,597.1 | -382.0 | 7,605.3 | 0.00 | 0.00 | 0.00 |
| 19,000.0 | 89.80 | | 11,295.1 | 7,697,1 | -362.9 | 7,705.3 | 0.00 | 0.00 | 0.00 |
| 19,100.0 | 89.80 | 359.50 | 11,295.4 | 7,797.1 | -363,8 | 7,805.3 | 0.00 | 0.00 | 0.00 |
| | | 359.50 | 11,295,7 | 7,897.1 | -364.7 | 7,905.2 | 0.00 | 0.00 | 0.00 |
| 19,200.0 | 89.80 | 359,50 | 11,296.1 | 7,997.1 | -365.6 | 8,005,2 | 0.00 | 0.00 | 0.00 |
| 19,300.0 | 89,80 | 359,50 | 11,296,4 | 8,097,1 | -366.4 | 8,105,1 | 0.00 | 0.00 | |
| 19,400.0 | 89.80 | 359.50 | 11,296.8 | 8,197.1 | -367.3 | 8,205,1 | 0.00 | | 0.00 |
| 19,500.0 | 89,80 | 359.50 | 11,297.1 | 8,297.1 | -368.2 | 8,305.1 | | 0.00 | 0.00 |
| 19,600.0 | 89.80 | 359,50 | 11,297.4 | 8,397.1 | -369,1 | 8,405.0 | 0.00 | 0.00 | 0.00 |
| 19,700.0 | 89.80 | 359.50 | 11,297.8 | | | | | 0.00 | 0.00 |
| 19,800.0 | 89.80 | 359.50 | 11,297.8 | 8,497.1 | -370.0 | 8,505.0 | 0,00 | 0.00 | 0.00 |
| 19,900.0 | 89.80 | | 11,40,0011 | 8,597.1 | -370.8 | 8,604,9 | 0.00 | 0.00 | 0.00 |

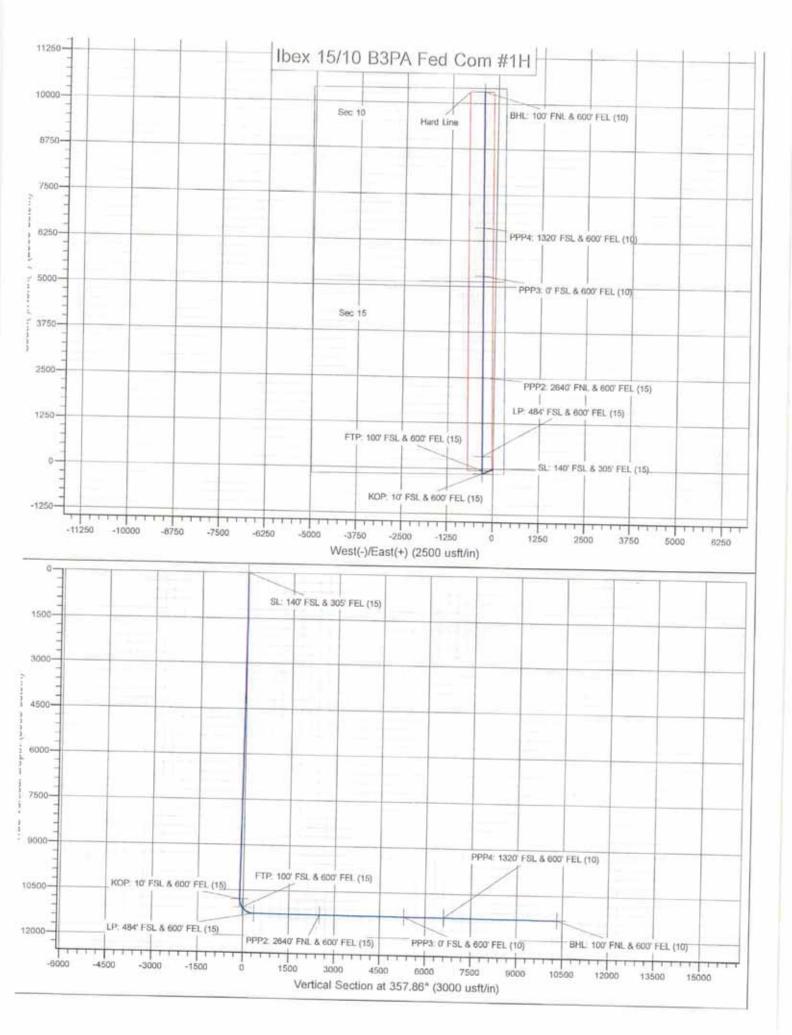
| Database: Company: Project: Site: Well: Well: Design: | Hobbs Mewbourne Oil Company Eddy County, New Mexico NAD 83 Ibex 15/10 B3PA Fed Com #1H Sec 15, T23S, R34E BHL: 100' FNL & 600' FEL, Sec 10 Design #1 | Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: | Site Ibex 15/10 B3PA Fed Com #1H WELL @ 3440.0usft (Original Well Elev) WELL @ 3440.0usft (Original Well Elev) Grid Minimum Curvature |
|---|--|---|---|
|---|--|---|---|

Planned Survey

| Measured Depth (usft) | Inclination (*) | Azimuth (*) | Vertical Depth (usft) | +N/-S (usft) | +EI-W (usft) | Vertical Section (usft) | Dogleg Rate (*/100usft) | Build Rate (*/100usft) | Turn Rate (*/100usft) |
|--|---|--|--|---|--|--|--------------------------------------|--------------------------------------|--------------------------------------|
| 20,000.0 20,100.0 | 89,80 89,80 | 359,50 359,50 | 11,298.8 11,299,2 | 8,797.1 8,897.1 | -372.6 -373,5 | 8,804,8 8,904,8 | 0.00 | 0.00 | 0.00 |
| 20,200.0 20,300.0 20,400.0 20,500.0 20,600.0 | 89.80 89.80 89.80 89.80 89.80 | 359.50 359.50 359.50 359.50 359.50 | 11,299.5 11,299.8 11,300.2 11,300.5 11,300.9 | 8,997,1 9,097.1 9,197.1 9,297.0 9,397.0 | -374.4 -375.2 -376.1 -377.0 -377.9 | 9,004.8 9,104.7 9,204.7 9,304.6 9,404.6 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 |
| 20,700.0 20,800.0 20,900.0 21,000.0 21,100.0 | 89,80 89,80 89,80 89,80 89,80 | 359,50 359,50 359,50 359,50 359,50 | 11,301.2 11,301.5 11,301.9 11,302.2 11,302.6 | 9,497.0 9,597.0 9,697.0 9,797.0 9,897.0 | -378,8 -379,6 -380,5 -381,4 -382,3 | 9,504,6 9,604,5 9,704,5 9,804,4 9,904,4 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 |
| 21,200.0 21,300.0 21,400.0 21,500.0 21,523.0 BHL: 100° FN | 89.80 89.80 89.80 89.80 89.80 | 359.50 359.50 359.50 359.50 359.50 | 11,302.9 11,303.2 11,303.6 11,303.9 11,304.0 | 9,997.0 10,097.0 10,197.0 10,297.0 10,320.0 | -383.2 -384.0 -384.9 -385.8 -385.8 | 10,004.4 10,104.3 10,204.3 10,304.2 10,327.2 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 |

Design Targete

| Target Name - hit/miss target Di - Shape | p Angle (*) | Dip Dir. (*) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|---|----------------|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|------------|--------------|
| SL: 140' FSL & 305' FEL - plan hits target center - Point | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 473,175.00 | 814,157.00 | 32.2977438 | -103,4503864 |
| KOP: 10° FSL & 600° FE - plan hits target conter - Point | 0.00 | 0.00 | 10,792,5 | -132.0 | -294.0 | 473,043.00 | 813,863.00 | 32.2973875 | -103,451341; |
| FTP: 100' FSL & 600' FE - plan hits target center - Point | 0.00 | 0,00 | 11,071,5 | +42.0 | -294.8 | 473,133.00 | 813,862.21 | 32.2976350 | -103.4513415 |
| P: 484' FSL & 600' FEL - plan hits target center - Point | 0.00 | 0.00 | 11,270.0 | 343.8 | -298,2 | 473,518.80 | 813,858.60 | 32.2986955 | -103.4513422 |
| PPP2: 2640° FNL & 600° - plan hits target center - Point | 0.00 | 0.00 | 11,277.3 | 2,498,0 | -317.1 | 475,673.00 | 813,839.85 | 32.3046168 | +103.4513462 |
| PPP3: 0' FSL & 600' FEI - plan hits target center - Point | 0.00 | 0.00 | 11,286.8 | 5,281.0 | -341.6 | 478,456.00 | 813,815,35 | 32.3122665 | -103.4513514 |
| PP4: 1320' FSL & 600' - plan hits target center - Point | 0.00 | 0.00 | 11,291.3 | 6,602.0 | -353.3 | 479,777.00 | 813,803,72 | 32,3158976 | +103,4513538 |
| HL: 100' FNL & 600' FF - plan hits target center - Point | 0,00 | 0.00 | 11,304,0 | 10,320.0 | -386.0 | 483,495.00 | 813,771.00 | 32.3261174 | -103.4513607 |



Mewbourne Oil Company

Eddy County, New Mexico NAD 83 Ibex 15/10 B1PA Fed Com #2H Sec 15, T23S, R34E SHL: 140' FSL & 275' FEL, Sec 15 BHL: 100' FNL & 450' FEL, Sec 10

Plan: Design #1

Standard Planning Report

19 August, 2019

ATTACHMENT G

| Company: Project: Site: Well: Wellbore: Dealgn: | Edd Ibex Sec BHL | bbs wbourne Oil Co y County, New (15/10 B1PA F 15, T23S, R3v : 100' FNL & 4 ign #1 | Mexico NAD 8 ed Com #2H IE | | TVD Ref MD Refe North R | | | WELL @ 3439 | 0 B1PA Fed Com .0usft (Original V .0usft (Original V ature | Vall Elev) |
|---|---|---|---|--|---|---|---|--|---|---|
| Project | Eddy | County, New I | Mexico NAD 83 | E. | | | | | - | |
| Map System: Geo Datum: Map Zone: | North / | ite Plane 1983 Merican Datur lexico Eastern | n 1983 | | System D | atum: | 4 | Bround Level | | |
| Site | Ibex 1 | 15/10 B1PA Fo | d Com #2H | | | | - | - | 104 | |
| Site Position: From: Position Uncerta | M. linty: | 15.2 | East | hing: ing: Radius: | | 3,175.00 usft 4,187.00 usft 13-3/16 * | Latitude: Longitude: Grid Conver | gence: | | 32.297743 -103.450289 0.47 |
| Well | Sec 1 | 5, T23S, R34E | | | _ | - | | | | |
| Well Position | +N/-S +E/-W | | | lorthing: asting: | | 473,175.0 | | titude: | | 32.297743 |
| Position Uncerta | inty | | 양양(19) 22 - 주말 | Vellhead Elevat | tion: | 3,439.0 | | ngitude: ound Level: | | -103,450289 3,412.0 ust |
| Wellbore | BHL | 100' FNL & 45 | 0' FEL, Sec 10 | | | | | | | (1), (), (), (), (), (), (), (), |
| Magnetics | м | odel Nama | Samp | le Date | Decilin | | | Angle | Field Str | and the second se |
| | | User Defined | | 8/16/2019 | (*) | 0.00 | | .000 | (nT | 0 |
| | | and the second second second | | | | 0.00 | | | | |
| Design | Design | | - | | _ | 0.00 | | | _ | _ |
| Audit Notes: | Design | | Phas | e: P | ROTOTYPE | | On Depth: | | 0.0 | |
| Design Audit Notes: Version: Vertical Section: | Design | 1#1 | Phas Depth From (T (usft) | | +N/-S | Tie +E | 9-W | Din | ection | |
| Audit Notes: /ersion: | Design | 1#1 | Depth From (T | | 111.14 | Tie +E (u | The second second | Din | | |
| Audit Notes: Version: | Design | 1#1 | Depth From (T (usft) | | +N/-S (usft) | Tie +E (u | J-W oft) | Din | ection (*) | |
| Audit Notes: /ersion: /ertical Section: lan Sections Measured | Design notination (*) | 1#1 | Depth From (T (usft) | | +N/-S (usft) 0.0 +E/-W | Tie +E (u | I-W sft) 1.0 Build Rate | Din 35 Turn Rate | ection (*) | Target |
| Audit Notes: Version: Vertical Section: Ian Sections Measured Depth (usft) 0.0 | nclination (*) 0.00 | Azimuth (*) 0.00 | Depth From (T (usft) 3,439.0 Vertical Depth | VD) +N/-S | +N/-S (usft) 0.0 +E/-W | Tic +E (u C Dogleg Rate | I-W sft) 1.0 Build Rate | Din 35 Turn Rate ("/100usft) | ection (*) 8.52 TFO (*) | Target |
| Version: Vertical Section: Vertical Section: Vertical Sections Measured Depth (usft) 0.0 1,200.0 | nclination (*) 0.00 0.00 | Azimuth (*) 0.00 0.00 | Vertical Depth (usft) Vertical Depth (usft) 0.0 1,200.0 | VD) +N/-S (usft) | +N/-S (usft) 0.0 +E/-W (usft) | Tic +E (u Dogleg Rate (*/100uaft) | Build Rate (*/100usft) | Din 35 Turn Rate | ection (*) 8.52 TFO | Target |
| Version: Vertical Section: Vertical Section: Vertical Sections Measured Depth (usft) 1,200.0 1,305.1 | nclination (*) 0.00 0.00 1.58 | Azimuth (*) 0.00 0,00 233.24 | Vertical Depth 3,439,0 Vertical Depth (ustt) 0,0 1,200,0 1,305,1 | VD) +N/-S (usft) 0.0 | +N/-S (usft) 0.0 +E/-W (usft) 0.0 | Tie +E (u Dogleg Rate (*/100uaft) 0.00 | Build Rate (*/100usft) | Din 35 Turn Rate (*/100usft) 0.00 | ection (*) 8.52 TFO (*) 0.00 0.00 | Target |
| Audit Notes: Version: Vertical Section: Jan Sections Measured Depth (usft) 1,200.0 1,200.0 1,305.1 9,094.4 | 0.00 0.00 1.58 1.58 | Azimuth (*) 0.00 0.302 233.24 233.24 | Vertical Depth Vertical Depth (usft) 0.0 1,200.0 1,305.1 9,091.4 | VD) +N/-S (usft) 0.0 0.0 | +N/-S (usft) 0.0 +E/-W (usft) 0.0 0.0 | Tire +E (u 0 Dogleg Rate (*/109uaft) 0.00 0.00 | Build Rate (*/100usft) 0.00 0.00 | Din 35 Turn Rate (*/100usft) 0.00 0.00 | ection (*) 8.52 TFO (*) 0.00 0.00 233.24 | Target |
| Audit Notes: /ersion: /ertical Section: lan Sections Measured Depth (usft) 0.0 1,200.0 1,305.1 9,094.4 9,199.5 | nclination (*) 0.00 0.00 1.58 1.58 0.00 | Azimuth (*) 0.00 233.24 233.24 233.24 0.00 | Vertical Depth Vertical Depth (usft) 0.0 1,200.0 1,305.1 9,091.4 9,196.5 | VD) +N/-S (usft) 0.0 0.0 -0.9 -129.1 -130.0 | +N/-S (usft) 0.0 +E/-W (usft) 0.0 0.0 -1.2 | Tie +E (u Dogleg Rate (*/109uaft) 0.00 0.00 1.50 | E/-W sft) 1.0 Build Rate (*/100usft) 0.00 0.00 1.50 | Din 35 Turn Rate (*/100usft) 0.00 0.00 0.00 | ection (*) 8.52 TFO (*) 0.00 0.00 233.24 0.00 | |
| Audit Notes: /ersion: /ertical Section: lan Sections Measured Depth (usft) 1,200.0 1,305.1 9,094.4 | 0.00 0.00 1.58 1.58 | Azimuth (*) 0.00 0.302 233.24 233.24 | Vertical Depth Vertical Depth (usft) 0.0 1,200.0 1,305.1 9,091.4 | VD) +N/-S (usft) 0.0 0.0 -0.9 -129.1 | +N/-S (usft) 0.0 +E/-W (usft) 0.0 0.0 -1.2 -172.8 | Tie +E (u 0 Dogleg Rate (*/100uaft) 0.00 0.00 1.50 0.00 | E/-W sft) 1.0 Build Rate (*/100usft) 0.00 0.00 1.50 0.00 | Din 35 Turn Rate (*/100usft) 0.00 0.00 0.00 0.00 | ection (*) 8.52 TFO (*) 0.00 0.00 233.24 0.00 | Target P: 10' FSL & 450' 1 |

| Database: Company: Project: Site: Well: Well: Wellbore: Design: | Hobbs Mewbourne Oil Company Eddy County, New Mexico NAD 83 Ibex 15/10 B1PA Fed Com #2H Sec 15, T23S, R34E BHL: 100' FNL & 450' FEL, Sec 10 Design #1 | Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: | Site Ibex 15/10 B1PA Fed Com #2H WELL (@ 3439.0usft (Original Well Elev) WELL (@ 3439.0usft (Original Well Elev) Grid Minimum Curvature |
|--|--|---|---|
|--|--|---|---|

Planned Survey

| Measured Depth (usft) | Inclination (") | Azimuth (*) | Vertical Depth (usft) | +N/+S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (*/100usft) | Build Rate (*/100usft) | Turn Rate ("/100usft) |
|-----------------------------|--------------------|-------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 0.0 | 0.00 | 0.00 | 0,0 | 0.0 | 0,0 | 0,0 | 0.00 | 0.00 | 0.0 |
| | & 275' FEL (15) | | | | | | | | 22 |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | | | 0.0 |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | | | 0.00 | 0.00 | 0.0 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| | | | 400.0 | 0.0 | 0.0 | 0,0 | 0.00 | 0.00 | 0,0 |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 600,0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 700.0 | 0.00 | 0.00 | 700.0 | 0.0 | 0.0 | 0.0 | 0.00 | | 0.0 |
| 0.008 | 0.00 | 0.00 | 800.0 | 0,0 | 0.0 | | | 0.00 | 0.0 |
| 900.0 | 0.00 | 0.00 | 900,0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| | | | arease, er | 0.0 | 0,0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1,000.0 | 0,00 | 0,00 | 1,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 |
| 1,100.0 | 0.00 | 0.00 | 1,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 1,200.0 | 0.00 | 0.00 | 1,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | | 0.0 |
| 1,300,0 | 1,50 | 233.24 | 1,300.0 | -0.8 | +1.0 | | | 0.00 | 0.0 |
| 1,305.1 | 1.58 | 233.24 | 1,305.1 | -0.9 | | -0.8 | 1.50 | 1,50 | 0.0 |
| | | | | -0.9 | -1.2 | -0.8 | 1.50 | 1.50 | 0.0 |
| 1,400.0 | 1,58 | 233.24 | 1,400.0 | -2.4 | -3.2 | -2.3 | 0.00 | 0.00 | 0.0 |
| 1,500.0 | 1.58 | 233.24 | 1,499,9 | -4,1 | -5.5 | -3,9 | 0.00 | 0.00 | 0.0 |
| 1,600.0 | 1,58 | 233.24 | 1,599.9 | -5.7 | -7.7 | -5.5 | 0.00 | 0.00 | |
| 1,700.0 | 1.58 | 233.24 | 1,699,8 | -7.4 | -9.9 | -7.1 | 0.00 | | 0,0 |
| 1,800,0 | 1.58 | 233.24 | 1,799.8 | -9.0 | -12.1 | -8.7 | | 0.00 | 0.0 |
| 1005 5 | | | | | 2006-12 | ~D.7 | 0.00 | 0.00 | 0.0 |
| 1,900.0 | 1.58 | 233.24 | 1,899,8 | -10.7 | -14.3 | -10.3 | 0.00 | 0.00 | 0.0 |
| 2,000.0 | 1,58 | 233.24 | 1,999.7 | -12.3 | -16.5 | -11.9 | 0.00 | 0.00 | 0.0 |
| 2,100.0 | 1,58 | 233.24 | 2,099.7 | +14.0 | -18.7 | -13.5 | 0.00 | 0.00 | 0.0 |
| 2,200.0 | 1,58 | 233.24 | 2,199.6 | -15.8 | -20.9 | -15.1 | 0.00 | 0.00 | |
| 2,300.0 | 1.58 | 233.24 | 2,299.6 | -17.2 | -23.1 | -16.6 | 0.00 | | 0.0 |
| 2 100 0 | 4.55 | | | | | -10.0 | 0.00 | 0.00 | 0.0 |
| 2,400.0 | 1.58 | 233.24 | 2,399.6 | -18,9 | -25.3 | -18.2 | 0.00 | 0.00 | 0.0 |
| 2,500.0 | 1.58 | 233,24 | 2,499,5 | -20,5 | -27.5 | -19.8 | 0,00 | 0.00 | 0.00 |
| 2,600.0 | 1.58 | 233.24 | 2,599,5 | -22.2 | -29,7 | -21.4 | 0.00 | 0.00 | 0.0 |
| 2,700.0 | 1,58 | 233,24 | 2,699.5 | -23,8 | -31.9 | -23.0 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 1,58 | 233,24 | 2,799.4 | -25.5 | -34.1 | -24,6 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 1.58 | 233.24 | 2.000 4 | 1.242.2 | | | | | 67,675 |
| 3,000.0 | 1.58 | 233.24 | 2,899.4 | -27.1 | -36,3 | -26.2 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | | | 2,999.3 | -28.8 | -38,5 | +27.8 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 1,58 | 233.24 | 3,099.3 | -30,4 | -40.7 | -29,4 | 0.00 | 0.00 | 0.00 |
| | 1,58 | 233.24 | 3,199,3 | -32.1 | -42.9 | -31.0 | 0.00 | 0.00 | 0.00 |
| 3,300,0 | 1.58 | 233.24 | 3,299.2 | -33.7 | -45.1 | -32.5 | 0.00 | 0.00 | 0.00 |
| 3,400,0 | 1.58 | 233,24 | 3,399.2 | -35.4 | -47.3 | | | | |
| 3,500.0 | 1.58 | 233.24 | 3,499.2 | -37,0 | | -34.1 | 0.00 | 0.00 | 0,00 |
| 3,600.0 | 1.58 | 233.24 | 3,599.1 | | -49.5 | -35.7 | 0,00 | 0.00 | 0.00 |
| 3,700.0 | 1.58 | 233.24 | | -38.7 | -51.7 | -37.3 | 0.00 | 0.00 | 0.00 |
| 3,800,0 | 1.58 | | 3,699,1 | +40.3 | -53,0 | +38,9 | 0.00 | 0.00 | 0.00 |
| | 1,00 | 233.24 | 3,799.0 | -41.9 | -56,1 | -40,5 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 1,58 | 233.24 | 3,899.0 | -43.6 | -58.4 | -42.1 | 0.00 | | |
| 4,000.0 | 1,58 | 233.24 | 3,999.0 | -45.2 | -60.6 | | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 1.58 | 233.24 | 4,098.9 | -46.9 | | -43.7 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 1.58 | 233.24 | 4,198.9 | | -62.8 | -45,3 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 1.58 | 233.24 | | -48.5 | -65,0 | -46.8 | 0.00 | 0.00 | 0.00 |
| | 1.00 | 200.24 | 4,298.9 | -50.2 | -67.2 | -48.4 | 0.00 | 0.00 | 0.00 |
| 4,400,0 | 1,58 | 233.24 | 4,398.8 | -51.8 | -69.4 | -50.0 | 0.00 | | |
| 4,500.0 | 1,58 | 233.24 | 4,498.8 | -53.5 | -71.6 | -51.6 | | 0.00 | 0.00 |
| 4,600.0 | 1,58 | 233.24 | 4,598,7 | -55.1 | -73.8 | | 0.00 | 0.00 | 0,00 |
| 4,700.0 | 1.58 | 233.24 | 4,698,7 | -56.8 | | -53.2 | 0.00 | 0,00 | 0.00 |
| 4,800.0 | 1.58 | 233.24 | 4,798,7 | | -76,0 | -54.8 | 0.00 | 0,00 | 0.00 |
| | | | 41130.7 | -58.4 | -78.2 | -56,4 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 1.58 | 233.24 | 4,898.6 | -60.1 | -80,4 | -58.0 | 0.00 | 0.00 | |
| 5,000.0 | 1,58 | 233.24 | 4,998.6 | -61.7 | -82.6 | -59.6 | | | 0.00 |
| 5,100.0 | 1.58 | 233.24 | 5,098.6 | -63.4 | -84.8 | -20.0 | 0.00 | 0.00 | 0.00 |

| Database: Company: Project: Site: Well: Well: Design: | Hobbs Mewbourne Oil Company Eddy County, New Mexico NAD 83 Ibex 15/10 B1PA Fed Com #2H Sec 15, T23S, R34E BHL: 100' FNL & 450' FEL, Sec 10 Design #1 | Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: | Site Ibex 15/10 B1PA Fed Com #2H WELL @ 3439.0usft (Original Well Elev) WELL @ 3439.0usft (Original Well Elev) Grid Minimum Curvature |
|---|--|---|---|
|---|--|---|---|

| PID | nne | 0.3 | un | Nev. | |
|-----|-----|-----|----|------|--|
| | | | | - 4 | |

| Measured Depth (usft) | Inclination (*) | Azimuth (*) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (Usft) | Vertical Section (usft) | Dogleg Rate (*/100usft) | Build Rate (*/100usft) | Turn Rate (*/100usft) |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 5,200.0 | 1.58 | 233.24 | 5,198.5 | -65.0 | States - | A NUMBER OF | The second second | Marchine and a | |
| 5,300.0 | 1.58 | 233.24 | 5,298.5 | | -87.0 | -62.7 | 0.00 | 0.00 | 0.00 |
| | | | 0,2,00,0 | -66.7 | -89.2 | -64.3 | 0.00 | 0.00 | 0,00 |
| 5,400.0 | 1.58 | 233.24 | 5,398.4 | -68.3 | -91.4 | -65.9 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 1.58 | 233.24 | 5,498,4 | -89.9 | -93.6 | -67.5 | 0.00 | | 0.00 |
| 5,600.0 | 1.58 | 233.24 | 5,598.4 | -71.6 | -95.8 | -69.1 | | 0.00 | 0.00 |
| 5,700.0 | 1.58 | 233.24 | 5,698.3 | -73.2 | -98.0 | | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 1.58 | 233.24 | 5,798.3 | -74.9 | | -70.7 | 0.00 | 0.00 | 0.00 |
| E 000.0 | | | | | -100.2 | -72.3 | 0.00 | 0.00 | 0,00 |
| 5,900,0 | 1.58 | 233.24 | 5,898,2 | -76.5 | -102.4 | -73.9 | 0.00 | 0.00 | 0.00 |
| 6,000,0 | 1.58 | 233.24 | 5,998.2 | -78.2 | -104.6 | -75,5 | 0.00 | 0.00 | 0.00 |
| 6,100,0 | 1.58 | 233.24 | 6,098.2 | -79.8 | -106.8 | -77.0 | 0.00 | 0.00 | |
| 6,200.0 | 1,58 | 233.24 | 6,198.1 | -81.5 | -109.0 | -78.6 | 0.00 | | 0.00 |
| 6,300.0 | 1,58 | 233,24 | 6,298.1 | -83.1 | -111.3 | -80.2 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 1,58 | 233.24 | | | | | 0,00 | 0,00 | 0.00 |
| 6,500.0 | | | 6,398.1 | -84.8 | -113.5 | -81.8 | 0.00 | 0,00 | 0.00 |
| 6,600.0 | 1,58 | 233.24 | 6,498.0 | -86.4 | -115.7 | -83,4 | 0.00 | 0.00 | 0.00 |
| | 1,58 | 233.24 | 6,598.0 | -88,1 | -117.9 | -85.0 | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 1.58 | 233.24 | 6,697.9 | -89.7 | -120.1 | -86.6 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 1.58 | 233.24 | 6,797.9 | -91,4 | -122.3 | -88.2 | 0.00 | 0.00 | 0.00 |
| 6,900,0 | 1.58 | 233.24 | 6,897,9 | -93.0 | | | | | |
| 7,000.0 | 1.58 | 233.24 | 6,997,8 | | -124.5 | -89.8 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 1.58 | 233.24 | | -94.6 | -126.7 | -91.4 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | | | 7,097.8 | -96.3 | -128.9 | -92,9 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 1,58 | 233.24 | 7,197.8 | -97.9 | -131.1 | -94,5 | 0.00 | 0.00 | 0.00 |
| | 1.58 | 233.24 | 7,297.7 | -99,6 | -133,3 | -96.1 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 1.58 | 233.24 | 7,397.7 | -101.2 | +135.5 | +97.7 | | | |
| 7,500.0 | 1.58 | 233.24 | 7,497.6 | -102.9 | -137.7 | | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 1.58 | 233.24 | 7,597.6 | -104.5 | | -99.3 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 1.58 | 233,24 | 7,697.6 | -106.2 | -139.9 | -100.9 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 1,58 | 233.24 | 7,797,5 | | -142.1 | -102.5 | 0.00 | 0.00 | 0.00 |
| | | | | -107.8 | -144.3 | -104.1 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 1,58 | 233.24 | 7,897.5 | -109.5 | -146.5 | -105,7 | 0.00 | 0.00 | 0,00 |
| 8,000.0 | 1,58 | 233.24 | 7,997,5 | -111.1 | -148.7 | -107,2 | 0.00 | 0.00 | |
| 8,100.0 | 1,58 | 233.24 | 8,097.4 | -112.8 | -150.9 | -108.8 | 0.00 | | 0.00 |
| 8,200.0 | 1.58 | 233,24 | 8,197.4 | -114.4 | -153.1 | -110.4 | 0.00 | 0.00 | 0.00 |
| 6,300.0 | 1.58 | 233,24 | 8,297,3 | -116,1 | -155.3 | -112.0 | | 0.00 | 0.00 |
| 8,400,0 | 1.58 | | | | | -112.0 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | | 233.24 | 8,397.3 | -117.7 | -157.5 | -113.6 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 1.58 | 233.24 | 8,497.3 | -119.3 | +159.7 | -115.2 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 1.58 | 233,24 | 8,597.2 | -121.0 | -161.9 | -116.8 | 0.00 | 0.00 | 0.00 |
| | 1.58 | 233.24 | 8,697.2 | -122.6 | -164.1 | -118.4 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 1.58 | 233.24 | 8,797.1 | -124.3 | -166.4 | -120.0 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 1.58 | 233.24 | 8,897.1 | -125.9 | | | | | |
| 9,000.0 | 1.58 | 233.24 | 8,997.1 | | -168.6 | -121,5 | 0.00 | 0,00 | 0,00 |
| 9,094,4 | 1,58 | 233.24 | | -127.6 | -170.B | -123.1 | 0.00 | 0.00 | 0,00 |
| 9,100.0 | 1.49 | 233.24 | 9,091.4 | -129.1 | -172.8 | -124,6 | 0.00 | 0.00 | 0.00 |
| 9,199.5 | 0.00 | | 9,097.0 | -129.2 | -173.0 | -124,7 | 1.50 | -1.50 | 0.00 |
| | 450' FEL (15') | 0.00 | 9,196.5 | -130,0 | -174.0 | -125.5 | 1,50 | -1.50 | 0.00 |
| TOP: TO PSL 8 | 450 FEL (15') | | | | | | | 1457.57 | 201412 |
| 9,200.0 | 0.06 | 359.50 | 9,197,0 | +130,0 | 477.0 | Comp. of | 14,249,010 | | |
| 9,300.0 | 12.06 | 359,50 | 9,296.3 | | -174.0 | -125.5 | 12.00 | 12.00 | 0.00 |
| 9,400.0 | 24.06 | 359.50 | | -119,5 | -174.1 | -114,9 | 12.00 | 12.00 | 0.00 |
| 9,497.5 | 35,76 | 359.50 | 9,391.2 | -88.5 | -174.4 | -84.0 | 12.00 | 12.00 | 0.00 |
| | \$ 450' FEL (15) | 338.00 | 9,475,6 | -40,0 | -174.8 | -35,5 | 12.00 | 12.00 | 0.00 |
| 9,500.0 | | | | | | | | | 11.0 |
| 9,000.0 | 36.06 | 359,50 | 9,477,6 | -38.5 | -174.8 | -34,0 | 12.00 | 12.00 | 0.00 |
| 9,600.0 | 48.06 | 359.50 | 9,551.7 | 28.3 | | | | | 0,00 |
| 9,700.0 | 60.06 | 359.50 | 9,610.3 | 28.3 | -175.4 | 32.8 | 12,00 | 12.00 | 0.00 |
| 9,800.0 | 72.06 | 359.50 | | 109,1 | -176.1 | 113.6 | 12.00 | 12.00 | 0.00 |
| 9,900.0 | 84.06 | | 9,650.8 | 200.4 | -176.9 | 204.9 | 12.00 | 12.00 | 0.00 |
| 9,949,1 | | 359.50 | 9,671.4 | 298.0 | -177.8 | 302.5 | 12.00 | 12.00 | 0.00 |
| | 89.94 | 359.50 | 9,674.0 | 347.0 | -178.2 | 351.5 | 11.99 | | Service Service |

COMPASS 5000.1 Build 72

| Database: Gompany: Project: Site: Well: Well: Wellbore: Design: | Hobbs Mewbourne Oil Company Eddy County, New Mexico NAD 83 Ibex 15/10 B1PA Fed Com #2H Sec 15, T23S, R34E BHL: 100° FNL & 450° FEL, Sec 10 Design #1 | Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: | Site Ibex 15/10 B1PA Fed Com #2H WELL @ 3439.0usft (Original Well Elev) WELL @ 3439.0usft (Original Well Elev) Grid Minimum Curvature |
|--|--|---|---|
|--|--|---|---|

Planned Survey

| Measured Depth (usft) | Inclination (*) | Azimuth (*) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (*/100usft) | Bulld Rate (*/100usft) | Turn Rate ("/100usft) |
|---------------------------------------|--------------------|---|------------------------------|---|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| LP: 487' FSL | & 450' FEL (15) | | | | | | | | 2001202002000 |
| 10,000.0 | 89,94 | 359,50 | 9,674.1 | 397.9 | -178.6 | 402.4 | 0.00 | | |
| 10,100.0 | 89,94 | 359,50 | 9,674.2 | 497.9 | | | 0.00 | 0,00 | 0,00 |
| 10,200,0 | 89,94 | 359,50 | | | -179.5 | 502.4 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | | | 9,674.3 | 597.9 | -180.4 | 602.4 | 0.00 | 0,00 | 0.00 |
| | 89,94 | 359,50 | 9,674.4 | 697.9 | -181,3 | 702.4 | 0.00 | 0.00 | 0.0 |
| 10,400.0 | 89.94 | 359,50 | 9,674,5 | 797.9 | -182.2 | 802.3 | 0.00 | 0.00 | 0.0 |
| 10,500.0 | 89,94 | 359.50 | 9,674.6 | 897.9 | -183.0 | 902.3 | 0.00 | 0.00 | 0.00 |
| 10,600.0 | 89.94 | 359,50 | 9,674.7 | 997.9 | -183.9 | | | | 0.00 |
| 10,700.0 | 89.94 | 359,50 | 9,674.8 | | | 1,002.3 | 0.00 | 0.00 | 0.00 |
| 10,800.0 | 89.94 | | | 1,097.9 | -184.8 | 1,102.3 | 0,00 | 0.00 | 0.00 |
| 10,900.0 | | 359.50 | 9,674.9 | 1,197,9 | -185.7 | 1,202.3 | 0.00 | 0.00 | 0.00 |
| | 89.94 | 359,50 | 9,675.0 | 1,297.9 | -186.6 | 1,302.3 | 0.00 | 0,00 | 0.00 |
| 11,000.0 | 89,94 | 359,50 | 9,675,1 | 1,397,9 | -187.5 | 1,402.3 | 0.00 | 0.00 | 0.00 |
| 11,100.0 | 89.94 | 359.50 | 9,675.2 | 1,497.9 | -188.3 | 1,502.2 | 0.00 | 0.00 | |
| 11,200.0 | 89.94 | 359.50 | 9,675.3 | 1,597.9 | -189.2 | 1,602.2 | | | 0.00 |
| 11,300.0 | 89,94 | 359.50 | 9,675.4 | 1,697.9 | | | 0.00 | 0.00 | 0.00 |
| 11,400.0 | 89,94 | 359.50 | 9,675.5 | 1,797.9 | -190,1 | 1,702.2 | 0.00 | 0.00 | 0.00 |
| | | | | | -191.0 | 1,802.2 | 0.00 | 0.00 | 0,00 |
| 11,500.0 | 89.94 | 359.50 | 9,675.6 | 1,897.9 | -191.9 | 1,902.2 | 0.00 | 0.00 | 0.00 |
| 11,600,0 | 89.94 | 359,50 | 9,675.7 | 1,997.9 | -192.7 | 2,002.2 | 0.00 | 0.00 | 0.00 |
| 11,700.0 | 89.94 | 359.50 | 9,675.8 | 2,097.9 | -193.6 | 2,102.2 | 0.00 | | |
| 11,800.0 | 89,94 | 359,50 | 9,675.9 | 2,197.9 | -194.5 | 2,202.1 | | 0.00 | 0.00 |
| 11,900.0 | 89.94 | 359.50 | 9,676.0 | 2,297.9 | -195.4 | | 0.00 | 0.00 | 0.00 |
| | | | | | | 2,302.1 | 0.00 | 0,00 | 0.00 |
| 12,000.0 | 89,94 | 359.50 | 9,676,1 | 2,397.9 | -196.3 | 2,402.1 | 0.00 | 0.00 | 0.00 |
| 12,099.2 | 89.94 | 359,50 | 9,676.2 | 2,497.0 | -197.1 | 2,501.2 | 0.00 | 0.00 | 0.00 |
| | FNL & 450' FEL | Contraction of the second s | | | | | | | |
| 12,100.0 | 89.94 | 359.50 | 9,676.2 | 2,497.8 | -197.1 | 2,502.1 | 0.00 | 0.00 | 0.00 |
| 12,200.0 | 89,94 | 359,50 | 9,676.3 | 2,597.8 | -198.0 | 2,602.1 | 0.00 | 0.00 | |
| 12,300.0 | 89.94 | 359,50 | 9,676.4 | 2,697,8 | -198.9 | 2,702.1 | 0.00 | 0.00 | 0.00 |
| 12,400.0 | 89.94 | 359.50 | 9,676,5 | | | | | | 0.00 |
| 12,500.0 | 89.94 | | | 2,797.8 | -199.8 | 2,802.1 | 0.00 | 0,00 | 0.00 |
| | | 359.50 | 9,676.6 | 2,897.8 | -200.7 | 2,902,0 | 0.00 | 0.00 | 0.00 |
| 12,600.0 | 89.94 | 359.50 | 9,676.7 | 2,997.8 | -201.5 | 3,002.0 | 0.00 | 0.00 | 0.00 |
| 12,700.0 | 89.94 | 359.50 | 9,676.8 | 3,097.8 | -202.4 | 3,102.0 | 0.00 | 0.00 | 0.00 |
| 12,800.0 | 89.94 | 359.50 | 9,676.9 | 3,197.8 | -203.3 | 3,202.0 | 0.00 | 0.00 | 0.00 |
| 12,900.0 | 89.94 | 359,50 | 9,677.0 | 3,297.8 | -204.2 | 9 902 0 | | | |
| 13,000.0 | 89.94 | 359,50 | 9,677,1 | 3,397.8 | | 3,302.0 | 0,00 | 0.00 | 0,00 |
| 13,100.0 | 89.94 | 359,50 | And the second second second | | -205.1 | 3,402.0 | 0,00 | 0.00 | 0.00 |
| 13,200.0 | 89.94 | | 9,677.2 | 3,497.8 | -205,9 | 3,502.0 | 0.00 | 0.00 | 0.00 |
| 13,200.0 | | 359,50 | 9,677.3 | 3,597.8 | -206.8 | 3,601.9 | 0.00 | 0.00 | 0.00 |
| | 89.94 | 359.50 | 9,677.4 | 3,697.8 | -207,7 | 3,701.9 | 0.00 | 0.00 | 0.00 |
| 13,400.0 | 89,94 | 359.50 | 9,677.5 | 3,797.8 | -208.6 | 3,801,9 | 0.00 | | |
| 13,500.0 | 89.94 | 359.50 | 9,677.6 | 3,897.8 | -209.5 | 3,901.9 | | 0.00 | 0.00 |
| 13,600.0 | 89,94 | 359.50 | 9,677.7 | 3,997.8 | | | 0.00 | 0.00 | 0.00 |
| 13,700.0 | 89.94 | 359.50 | 9,677.8 | | -210.3 | 4,001.9 | 0.00 | 0.00 | 0.00 |
| 13,800.0 | 89.94 | 359.50 | 9,677.9 | 4,097.8 4,197.8 | -211.2 | 4,101.9 | 0.00 | 0.00 | 0.00 |
| | | | | | -212.1 | 4,201.9 | 0.00 | 0.00 | 0.00 |
| 13,900.0 | 89.94 | 359,50 | 9,678.0 | 4,297.8 | -213,0 | 4,301.8 | 0.00 | 0.00 | 0.00 |
| 14,000.0 | 89.94 | 359,50 | 9,678.1 | 4,397.8 | -213,9 | 4,401.8 | 0.00 | 0.00 | 0.00 |
| 14,100,0 | 89,94 | 359.50 | 9,678.2 | 4,497.8 | -214.7 | 4,501.8 | 0.00 | 0.00 | |
| 14,200.0 | 89.94 | 359.50 | 9,678.3 | 4,597.8 | -215.6 | 4,601.8 | 0.00 | | 0.00 |
| 14,300.0 | 89.94 | 359,50 | 9,678,4 | 4,697.8 | -216.5 | 4,701.8 | 0.00 | 0.00 | 0.00 |
| 14,400.0 | 89.94 | | | | | | | 0.00 | 0.00 |
| 14,500.0 | 89.94 | 359.50 | 9,678.5 | 4,797.6 | -217.4 | 4,801.8 | 0.00 | 0.00 | 0.00 |
| | | 359.50 | 9,678.6 | 4,897.8 | -218,3 | 4,901.8 | 0.00 | 0.00 | 0.00 |
| 14,600.0 | 89.94 | 359.50 | 9,678.7 | 4,997.8 | -219.1 | 5,001.7 | 0.00 | 0.00 | 0.00 |
| 14,700.0 | 89.94 | 359.50 | 9,678.8 | 5,097.7 | -220.0 | 5,101.7 | 0.00 | 0.00 | 0.00 |
| 14,751.3 | 89.94 | 359.50 | 9,678.8 | 5,149.0 | -220.5 | 5,153.0 | 0.00 | 0.00 | 0.00 |
| and the local data and the local data | & 450' FEL (10) | | | the second se | | and a second of | 0.00 | 10,012 | 0.00 |

| Database: Company: Project: Site: Well: Well: Wellbore: Design: | Hobbs Mewbourne Oil Company Eddy County, New Mexico NAD 83 Ibex 15/10 B1PA Fed Com #2H Sec 15, T23S, R34E BHL: 100' FNL & 450' FEL, Sec 10 Design #1 | Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: | Site Ibex 15/10 B1PA Fed Com #2H WELL @ 3439.0usft (Original Well Elev) WELL @ 3439.0usft (Original Well Elev) Grid Minimum Curvature |
|--|--|---|---|
|--|--|---|---|

Planned Survey

| Measured Depth (usft) | Inclination (*) | Azimuth (*) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate ("/100usft) | Build Rate (*/100usft) | Turn Rate (*/100usft) |
|---|--------------------|----------------|-----------------------------|--------------------|------------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 14,800,0 | 89.94 | 359.50 | 9,678,9 | 5,197,7 | -220.9 | 5,201.7 | 0.00 | Or A CONTRACTOR OF A | |
| 14,900.0 | 89,94 | 359.50 | 9,679.0 | 5,297.7 | -221.8 | | 0.00 | 0.00 | 0.00 |
| 15,000,0 | 89.94 | 359,50 | 9,679.1 | 5,397.7 | | 5,301.7 | 0.00 | 0.00 | 0,00 |
| 15,100.0 | 89.94 | 359.50 | 9,679.2 | | -222,7 | 5,401,7 | 0.00 | 0.00 | 0.00 |
| 15,200.0 | 89,94 | 359.50 | | 5,497,7 | -223.5 | 5,501,7 | 0.00 | 0.00 | 0.00 |
| | | | 9,679,3 | 5,597,7 | -224.4 | 5,601.7 | 0.00 | 0,00 | 0.00 |
| 15,300.0 | 89.94 89.94 | 359.50 | 9,679,4 | 5,697,7 | -225.3 | 5,701.6 | 0.00 | 0.00 | 0.00 |
| 15,500.0 | | 359.50 | 9,679.5 | 5,797.7 | -226.2 | 5,801,6 | 0.00 | 0.00 | 0.00 |
| | 89.94 | 359.50 | 9,679.6 | 5,897.7 | -227.1 | 5,901.6 | 0.00 | 0.00 | 0.00 |
| 15,600.0 | 89.94 | 359,50 | 9,679.7 | 5,997.7 | -227.9 | 6,001.6 | 0.00 | 0.00 | 0.00 |
| 15,700.0 | 89.94 | 359,50 | 9,679,8 | 6,097.7 | -228.8 | 6,101.6 | 0.00 | 0.00 | 0.00 |
| 15,800.0 | 89,94 | 359,50 | 9,679.9 | 6,197.7 | -229,7 | 6,201.6 | 0.00 | 0.00 | 0.00 |
| 15,900.0 | 89.94 | 359,50 | 9,680.0 | 6,297.7 | -230.6 | 6,301.6 | 0.00 | 0.00 | 0.00 |
| 16,000.0 | 89,94 | 359.50 | 9,680.1 | 6,397.7 | -231.5 | 6,401.5 | 0.00 | 0.00 | |
| 16,072.3 | 89.94 | 359,50 | 9,680,1 | 6,470.0 | -232.1 | 6,473.8 | 0.00 | 0.00 | 0.00 |
| 16,100.0 | FSL & 450' FEL (| | | | | | | | |
| | 89.94 | 359.50 | 9,680.2 | 6,497.7 | -232.3 | 6,501.5 | 0.00 | 0.00 | 0.00 |
| 16,200,0 16,300,0 | 89,94 | 359,50 | 9,680.3 | 6,597.7 | -233,2 | 6,601.5 | 0.00 | 0.00 | 0.00 |
| | 89,94 | 359,50 | 9,680.4 | 6,697,7 | -234.1 | 6,701.5 | 0.00 | 0.00 | 0.00 |
| 16,400.0 | 89.94 | 359,50 | 9,680.5 | 6,797,7 | -235,0 | 6,801.5 | 0.00 | 0.00 | 0.00 |
| 16,500.0 | 89.94 | 359.50 | 9,680,6 | 6,897.7 | -235,9 | 6,901.5 | 0.00 | 0.00 | |
| 15,600.0 | 89.94 | 359.50 | 9,680.7 | 6,997.7 | -236,7 | 7,001.4 | 0,00 | 0.00 | 0,00 |
| 16,700.0 | 89,94 | 359.50 | 9,680.8 | 7,097.7 | -237,6 | 7,101.4 | 0.00 | 0.00 | |
| 16,800.0 | 89.94 | 359.50 | 9,680.9 | 7,197.7 | -238.5 | 7,201.4 | | | 0.00 |
| 16,900.0 | 89,94 | 359.50 | 9,681.0 | 7,297.7 | -239.4 | 7,301.4 | 0.00 | 0.00 | 0.00 |
| 17,000.0 | 89,94 | 359.50 | 9,681,1 | 7,397.7 | -240.3 | | 0.00 | 0.00 | 0.00 |
| 17,100.0 | 89,94 | 359.50 | 9,681,2 | 7,497.7 | -241.1 | 7,401.4 | 0.00 | 0.00 | 0.00 |
| 17,200.0 | 89.94 | 359.50 | 9,681.3 | 7,597,6 | | | | | 0.00 |
| 17,300.0 | 89.94 | 359,50 | 9,681.4 | 7,697.6 | -242.0 | 7,601,4 | 0.00 | 0.00 | 0.00 |
| 17,400.0 | 89.94 | 359,50 | 9,681.5 | 7,797.6 | -242.9 | 7,701.3 | 0.00 | 0,00 | 0.00 |
| 17,500.0 | 89.94 | 359.50 | 9,681.6 | | -243.8 | 7,801.3 | 0.00 | 0.00 | 0.00 |
| 17,600.0 | 89.94 | 359.50 | 9,681,7 | 7,897.6 | -244.7 | 7,901.3 | 0.00 | 0.00 | 0,00 |
| 17,700,0 | 89,94 | | | | -245.5 | 8,001.3 | 0.00 | 0,00 | 0.00 |
| 17,800.0 | 89.94 | 359.50 | 9,681.8 | 8,097.6 | -246,4 | 8,101.3 | 0.00 | 0.00 | 0.00 |
| 17,900.0 | | 359,50 | 9,681.9 | 8,197.6 | -247.3 | 8,201.3 | 0.00 | 0.00 | 0.00 |
| | 89.94 | 359.50 | 9,682.0 | 8,297.6 | -248.2 | 8,301.3 | 0.00 | 0.00 | 0.00 |
| 18,000.0 | 89.94 | 359,50 | 9,682.1 | 8,397.6 | -249.1 | 8,401.2 | 0.00 | 0.00 | 0.00 |
| 18,100.0 | 89,94 | 359.50 | 9,682.2 | 8,497,6 | -249.9 | 8,501.2 | 0.00 | 0.00 | 0.00 |
| 18,200.0 | 89.94 | 359,50 | 9,682.3 | 8,597.6 | -250.8 | 8,601,2 | 0.00 | 0.00 | 0.00 |
| 18,300.0 | 89,94 | 359.50 | 9,682.4 | 8,697,6 | -251.7 | 8,701.2 | 0.00 | 0.00 | |
| 18,400,0 | 89,94 | 359.50 | 9,682,5 | 8,797.6 | -252.6 | 8,801,2 | 0.00 | | 0.00 |
| 18,500.0 | 89,94 | 359,50 | 9,682,6 | 8,897.6 | -253.5 | 8,901.2 | 0.00 | 0,00 | 0,00 |
| 18,600,0 | 89,94 | 359.50 | 9,682,7 | 8,997.6 | -254.4 | 9,001.2 | 0.00 | 0.00 | 0,00 |
| 18,700.0 | 89,94 | 359.50 | 9,682.8 | 9,097.6 | -255.2 | 9,101.1 | 0.00 | | |
| 18,800,0 | 89,94 | 359.50 | 9,682.9 | 9,197.6 | -256,1 | 9,201.1 | | 0.00 | 0.00 |
| 18,900.0 | 89,94 | 359,50 | 9,683.0 | 9,297.6 | | | 0.00 | 0.00 | 0.00 |
| 19,000.0 | 89,94 | 359.50 | 9,683.1 | 9,397.6 | -257.0 | 9,301.1 | 0.00 | 0.00 | 0.00 |
| 19,100.0 | 89,94 | 359,50 | 9,683,2 | 9,497.6 | -257.9 -258.6 | 9,401.1 9,501.1 | 0.00 | 0.00 | 0.00 |
| 19,200.0 | 89.94 | 359.50 | 9,683.3 | 8,597.6 | | | | 0.00 | 0.00 |
| 19,300.0 | 89.94 | 359,50 | 9,663.4 | 9,697.6 | -259.6 | 9,601,1 | 0.00 | 0.00 | 0,00 |
| 19,400.0 | 89.94 | 359,50 | | | -260.5 | 9,701.1 | 0.00 | 0.00 | 0.00 |
| 19,500,0 | 69,94 | 359.50 | 9,683,5 | 9,797.6 | -261.4 | 9,801.0 | 0.00 | 0.00 | 0.00 |
| 19,600.0 | 89,94 | 359,50 | 9,683,6 9,683,7 | 9,897,6 9,997,6 | -262.3 | 9,901.0 | 0.00 | 0.00 | 0.00 |
| 19,700.0 | 89.94 | 359.50 | | | -263.2 | 10,001.0 | 0.00 | 0.00 | 0.00 |
| 19,800.0 | 89.94 | 359,50 | 9,683.8 9,683.9 | 10,097.6 | -264.0 | 10,101.0 | 0.00 | 0.00 | 0.00 |
| 19,900.0 | 89.94 | 359.50 | 9,684.0 | 10,197.5 | -264.9 | 10,201.0 | 0.00 | 0.00 | 0.00 |
| The second se | 10.00 | WEIGH, SPEC | 20 10 10 10 10 | 111 247 5 | -265.8 | 10,301.0 | 0.00 | 0.00 | |

8/19/2019 3:50:38PM

COMPASS 5000.1 Build 72

| Well: Wellbore: | Hobbs Mewbourne C Eddy County, Ibox 15/10 B1 Sec 15, T23S BHL: 100° FN Design #1 | New Mexico PA Fed Com , R34E | #2H | | TVD Ref MD Refe North Re | and the part of the second secon | | WELL @ 34 | 710 B1PA Fed Co 139.0usft (Original 139.0usft (Original urvature | Well Elev) |
|---|--|------------------------------------|-----------------------------|-----------------|--------------------------------|--|-------------------------------|-------------------------------|---|----------------------------|
| Planned Survey | | | | | | | | | | |
| Measured Depth (usft) | Inclination (*) | Azimuth (*) | Vertical Depth (usft) | +N/- (ust | 31 | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (*/100usft) | Build Rate (*/100us/t) | Tum Rate (*/100usft) |
| 19,923,5 BHL: 100' FNL | 89,94 & 450' FEL (1 | .359.50 0) | 9,68 | 4.0 10,3 | 321.0 | -266.0 | 10,324 | .4 0.00 | 0.00 | 0.00 |
| Design Targets | | - | | | | | | | | _ |
| Target Name - hit/miss target - Shape | Dip Angle (*) | Dip Dir. (*) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northin (usft) | 9 | Easting (usft) | Latitude | Longitude |
| SL: 140' FSL & 275' FEL - plan hits target cen - Point | 0.00 ter | 0.00 | 0.0 | 0.0 | 0.0 | 473,1 | 75.00 | 814,187.00 | 32.2977431 | -103.450289 |
| KOP: 10' FSL & 450' FE - plan hits target cent - Point | 0.00 ter | 0,00 | 9,196.5 | -130.0 | -174.0 | 473,0 | 45.00 | 814,013.00 | 32.2973897 | -103.450855 |
| FTP: 100' FSL & 450' FE - plan hits target cent - Point | 0.00 ter | 0.00 | 9,475.5 | -40,0 | -174.8 | 473,1 | 35.00 | 814,012.21 | 32.2976371 | -103.450856 |
| P: 487' FSL & 450' FEL - plan hits target cent - Point | 0,00 ler | 0.00 | 9,674.0 | 347.0 | -178.2 | 473,52 | 22.00 | 814,008.60 | 32:2987009 | -103.450856 |
| PPP2: 2640' FNL & 450' - plan hits target cent - Point | 0.00 ler | 0.00 | 9,676.2 | 2,497.0 | -197.1 | 475,67 | 2.00 | 813,989.87 | 32,3046107 | -103,450860 |
| PPP3: 0' FSL & 450' FEJ - plan hits target cent - Point | 0.00 | 0.00 | 9,678,8 | 5,149.0 | -220.5 | 478;32 | 24.00 | 813,966,53 | 32.3119003 | -103.450865 |
| | | | | | | | | | | |

PPP4: 1320' FSL & 450'

- Point BHL: 100' FNL & 450' FE

- plan hits target center

- plan hits target center - Point 0.00

0.00

0,00

0.00

9,680.1

9,684.0

6,470.0

10,321.0

-232.1

-266.0

479,645.00

483,496,00

613,954,90

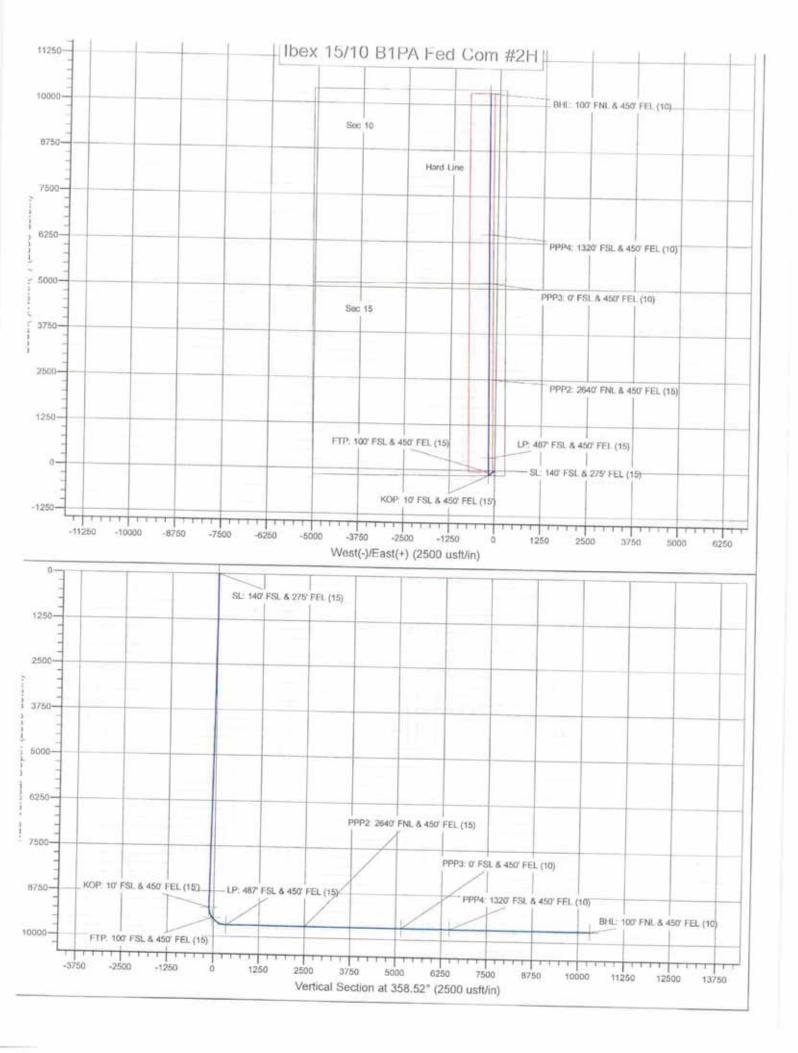
813,921.00

32.3155314

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-103.4508751



500 West Texas, Suite 1020 Midland, Texas 79701 Phone (432) 682-3715

March 5, 2020

Via Certified Mail

Tom M. Ragsdale 400 N Sam Houston Pkwy E, Suite 601 Houston, TX 77060 Attn: Karen Stanford

Re: Ibex 15/10 B1PA Fed Com #2H Ibex 15/10 B3PA Fed Com #1H Order No. R-20924-A Sections 10/15, T23S, R34E Lea County, New Mexico

Ladies and Gentlemen:

Attached for your information and further handling is a copy of the referenced pooling order dated February 19, 2020 regarding the captioned Ibex 15/10 B1PA Fed Com #2H and Ibex 15/10 B3PA Fed Com #1H wells.

As required by paragraph No. 26 on page 3 of the order, enclosed is a copy of our AFE dated March 3, 2020 regarding your 4.890142% working interest in the captioned Ibex 15/10 B1PA Fed Com #2H well. The AFE is an estimated well cost for the captioned well and the realized cost of the drilling, plugging and abandoning of the Ibex 10/15 B1AP Fed Com #2H well and the substitute Ibex 10/15 B1AP Fed Com #2HY well which was drilled in accordance with 19.15.13.8(4) NMAC. As required by paragraph No. 27 on page 3 of the pooling order, please sign and return the AFE within 30 days of your receipt of same in the event you elect to participate in the proposed well. Should you elect to participate in the well, your check for \$610,852.09 made payable to Mewbourne Oil Company must be received by Mewbourne Oil Company no later than 30 days after the expiration of the election period.

As required by paragraph No. 26 on page 3 of the order, enclosed is a copy of our AFE dated September 12, 2019 regarding your 4.890142% working interest in the captioned Ibex 15/10 B3PA Fed Com #1H well. The AFE is an estimated well cost for the captioned Ibex 15/10 B3AP Fed Com #1H well. As required by paragraph No. 27 on page 3 of the pooling order, please sign and return the AFE within 30 days of your receipt of same in the event you elect to participate in the proposed well. Should you elect to participate in the well, your check for \$465,996.30 made payable to Mewbourne Oil Company must be received by Mewbourne Oil Company no later than 30 days after the expiration of the election period.

Should you have any questions regarding the above, please email me at <u>mrobb@mewbourne.com</u> or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Mitch Robb Landman

NMOCD Case No. 21324 EXHIBIT 5 - Karen Stanford Direct Testimony September 11, 2020

AUTHORIZATION FOR EXPENDITURE

| Well Name: IBEX 15/10 B1PA FED | COM #2H | Pros | pect: IBEX | X 15 / 10 | | |
|---|--|---|-----------------------------------|--|------------------------|--|
| Location: SL: 140 FSL & 275 FEL (| (15); BHL: 100 FNL & 450 FEL (10) | Co | ounty: Lea | | | ST: NM |
| Sec. 15 Blk: Survey: | | TWP: 23S | RNG: 3 | 4E Prop. TVD | 9684 | TMD: 19900 |
| | IGIBLE COSTS 0180 | | CODE | тср | CODE | сс |
| Regulatory Permits & Surveys | | | 0180-0100 | \$20,000 | 0180-0200 | \$3,800 |
| Location / Road / Site / Preparation | | | 0180-0105 | \$204,800 | 0180-0205 | \$66,300 |
| Location / Restoration | | | 0180-0106 | \$451,700 | 0180-0206 | \$30,000 |
| Daywork / Turnkey / Footage Drilling | 30 days drlg / 4 days comp @ \$2150 | 0/d | 0180-0110 | \$1,116,000 | 0180-0210 | \$91,800 |
| Fuel Mud, Chemical & Additives | 1700 gal/day @ \$2.74/gal | | 0180-0114 | \$216,100 \$359,200 | 0180-0214 0180-0220 | \$420,000 |
| Horizontal Drillout Services | | | 0180-0120 | \$339,200 | 0180-0220 | \$250,000 |
| Cementing | | | 0180-0125 | \$174,900 | 0180-0225 | \$30,000 |
| Logging & Wireline Services | | | 0180-0130 | \$2,500 | 0180-0230 | \$390,000 |
| Casing / Tubing / Snubbing Service | | | 0180-0134 | \$34,200 | 0180-0234 | \$90,000 |
| Mud Logging | | | 0180-0137 | \$30,000 | | |
| Stimulation | 51 Stg 20.0 MM gal / 20.0 MM lb | | | | 0180-0241 | \$2,200,000 |
| Stimulation Rentals & Other Water & Other | | | 0180-0145 | \$340,500 | 0180-0242 | \$200,000 \$900,000 |
| Bits | | | 0180-0145 | \$340,500 | 0180-0245 | \$900,000 |
| Inspection & Repair Services | | | 0180-0150 | | | \$5,000 |
| Misc. Air & Pumping Services | | | 0180-0154 | | 0180-0254 | \$10,000 |
| Testing & Flowback Services | | | 0180-0158 | \$23,700 | 0180-0258 | \$30,000 |
| Completion / Workover Rig | | | | | 0180-0260 | \$10,500 |
| Rig Mobilization | | | 0180-0164 | \$352,500 | | |
| Transportation | | | 0180-0165 | \$71,600 | 0180-0265 | \$20,000 |
| Welding Services | | | 0180-0168 | \$16,200 \$77.000 | 0180-0268 | \$15,000 |
| Contract Services & Supervision Directional Services | Includes Vertical Control | | 0180-0170 | \$77,000 \$473,200 | 0180-0270 | \$60,000 |
| Directional Services Equipment Rental | Includes Vertical Control | | 0180-0175 0180-0180 | | 0180-0280 | \$30,000 |
| Well / Lease Legal | | | 0180-0180 | | | 0 00,000 |
| Well / Lease Insurance | | | 0180-0185 | \$5,200 | 0180-0285 | |
| Intangible Supplies | | | 0180-0188 | \$16,000 | 0180-0288 | \$10,000 |
| Damages | | | 0180-0190 | \$5,000 | 0180-0290 | |
| ROW & Easements | | | 0180-0192 | | 0180-0292 | \$15,100 |
| Pipeline Interconnect | | | | * 225 422 | 0180-0293 | <u> </u> |
| Company Supervision | | | 0180-0195 | \$285,400 | 0180-0295 | \$116,400 |
| Overhead Fixed Rate Well Abandonment | | | 0180-0196 0180-0198 | \$10,000 \$145,700 | 0180-0296 | \$20,000 |
| Contingencies | 2% (TCP) 2% (CC) | | 0180-0199 | \$630,500 | 0180-0299 | \$99,100 |
| Contingencies | 2/0(101) 2/0(00) | TOTAL | 0100 0100 | \$5,792,500 | 0100 0200 | \$5,121,000 |
| | | TOTAL | | \$5,792,500 | | φ <u></u> σ, 121,000 |
| | GIBLE COSTS 0181 | | 0404 0700 | | | |
| Casing (19.1" - 30") Casing (10.1" - 19.0") | 1350' - 13 3/8" 54.5# J-55 ST&C @ \$3 | 38 /8/ft | 0181-0793 0181-0794 | \$147,400 | | |
| Casing (8.1" - 10.0") | 4985' - 9 5/8" 36# J-55 LT&C @ \$24.6 | | 0181-0795 | \$131,300 | | |
| Casing (6.1" - 8.0") | 9950' - 7" 29# HCP-110 LT&C @ \$23 | | 0181-0796 | \$253,300 | | |
| Casing (4.1" - 6.0") | 10700' - 4 1/2" 13.5# P-110 BPN @ \$ | | | | 0181-0797 | \$139,000 |
| Tubing | 9200' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ | ft | | | 0181-0798 | \$56,400 |
| Drilling Head | | | 0181-0860 | \$40,000 | | |
| Tubing Head & Upper Section | | | | | 0181-0870 | \$30,000 |
| Horizontal Completion Tools | Completion Liner Hanger | | | | 0181-0871 | \$70,000 |
| Sucker Rods | | | | | 0181-0875 | |
| Subsurface Equipment Artificial Lift Systems | Gas Lift Valves & pkr | | ┢───┤ | | 0181-0880 0181-0884 | \$25,000 |
| Pumping Unit | Sas Litt Valves & phi | | | | 0181-0884 | φ20,000 |
| Surface Pumps & Prime Movers | (1/2) VRU/SWD pump/circ pump | | | | 0181-0886 | \$25,000 |
| Tanks - Oil | (1/2) 6 - 750 bbl | | | | 0181-0890 | \$57,000 |
| Tanks - Water | (1/2) 5 - 750 bbl coated | | | | 0181-0891 | \$57,500 |
| Separation / Treating Equipment | 30"x10'x1k#/3 ph/36"x15'x1k#/Gun b | obl/VRT | | | 0181-0895 | \$67,50 |
| Heater Treaters, Line Heaters | 8'x20'x75# HT | | | | 0181-0897 | \$27,000 |
| Metering Equipment | | | ļļ | | 0181-0898 | \$14,000 |
| Line Pipe & Valves - Gathering | (1/2) 1.30 Mile 4" Wtr | | | | 0181-0900 | \$19,000 |
| Fittings / Valves & Accessories | | | | | 0181-0906 | \$100,000 |
| Cathodic Protection | | no location includ | ┣───┤ | | 0181-0908 | \$8,000 |
| | Automation Pattony courses service | | | | 0101-0909 | |
| Electrical Installation | Automation, Battery power, power li | | | | 0181_0010 | |
| Electrical Installation Equipment Installation | | me, location inclut | | | 0181-0910 | |
| | Automation, Battery power, power li (1/2) 1.30 Mile 4" Wtr | | | 6770.04- | 0181-0910 0181-0920 | \$10,000 |
| Electrical Installation Equipment Installation | | TOTAL | | \$572,000 | | \$10,000 \$1,006,00 |
| Electrical Installation Equipment Installation | | | | \$572,000 \$6,364,500 | | \$50,600 \$10,000 \$1,006,000 \$6,127,000 |
| Electrical Installation Equipment Installation | (1/2) 1.30 Mile 4" Wtr | TOTAL | | \$6,364,500 | | \$10,000 \$1,006,00 |
| Electrical Installation Equipment Installation Pipeline Construction Extra Expense Insurance I elect to be covered by C Operator has secured Extr I elect to purchase my ov | (1/2) 1.30 Mile 4" Wtr TOTAL V Dperator's Extra Expense Insurance and a Expense Insurance covering costs of we vn well control insurance policy. | TOTAL SUBTOTAL VELL COST d pay my proportic ell control, clean up | and redrilling | \$6,364,500 \$12,4 f the premium. | 0181-0920 | \$10,00 \$1,006,00 \$6,127,00 |
| Electrical Installation Equipment Installation Pipeline Construction Extra Expense Insurance I elect to be covered by C Operator has secured Extr I elect to purchase my ov | (1/2) 1.30 Mile 4" Wtr TOTAL V Dperator's Extra Expense Insurance and a Expense Insurance covering costs of we vn well control insurance policy. | TOTAL SUBTOTAL VELL COST d pay my proportic ell control, clean up | and redrilling | \$6,364,500 \$12,4 f the premium. | 0181-0920 | \$10,000 \$1,006,00 \$6,127,00 |
| Electrical Installation Equipment Installation Pipeline Construction Extra Expense Insurance I elect to be covered by C Operator has secured Extr I elect to purchase my ov If neither box is checked above, non-operating w Prepared by: | (1/2) 1.30 Mile 4" Wtr TOTAL W Deperator's Extra Expense Insurance and a Expense Insurance covering costs of we wn well control insurance policy. orking interest owner elects to be covered by C L. Jackson | TOTAL SUBTOTAL VELL COST d pay my proportic ell control, clean up | and redrilling | \$6,364,500 \$12,4 of the premium. as estimated in Li | 0181-0920 | \$10,000 \$1,006,00 \$6,127,00 |
| Electrical Installation Equipment Installation Pipeline Construction Extra Expense Insurance I elect to be covered by C Operator has secured Extr I elect to purchase my ov If neither box is checked above, non-operating w Prepared by: | (1/2) 1.30 Mile 4" Wtr TOTAL W Deparator's Extra Expense Insurance and a Expense Insurance covering costs of we wn well control insurance policy. orking interest owner elects to be covered by C | TOTAL SUBTOTAL VELL COST d pay my proportic ell control, clean up Operator's well control | and redrilling insurance. 3/2/202 | \$6,364,500 \$12,4 If the premium. as estimated in Li | 0181-0920 | \$10,00 \$1,006,00 \$6,127,00 |
| Electrical Installation Equipment Installation Pipeline Construction Extra Expense Insurance I elect to be covered by C Operator has secured Extr I elect to purchase my ov If neither box is checked above, non-operating w Prepared by: | (1/2) 1.30 Mile 4" Wtr TOTAL W Perator's Extra Expense Insurance and a Expense Insurance covering costs of we wn well control insurance policy. orking interest owner elects to be covered by C L. Jackson | TOTAL SUBTOTAL VELL COST d pay my proportic ell control, clean up operator's well control i Date: | and redrilling insurance. 3/2/202 | \$6,364,500 \$12,4 If the premium. as estimated in Li | 0181-0920 | \$10,000 \$1,006,000 \$6,127,000 |
| Electrical Installation Equipment Installation Pipeline Construction Extra Expense Insurance I elect to be covered by C Operator has secured Extr I elect to purchase my ov I elect to purchase my ov I elect to purchase my ov Company Approval: | (1/2) 1.30 Mile 4" Wtr TOTAL W Perator's Extra Expense Insurance and a Expense Insurance covering costs of we wn well control insurance policy. orking interest owner elects to be covered by C L. Jackson | TOTAL SUBTOTAL VELL COST d pay my proportic ell control, clean up operator's well control i Date: | and redrilling insurance. 3/2/202 | \$6,364,500 \$12,4 If the premium. as estimated in Li | 0181-0920 | \$10,00 \$1,006,00 \$6,127,00 |

AUTHORIZATION FOR EXPENDITURE

| Well Name: IBEX 15/10 B3PA FEI | D COM #1H | Pros | pect: IBE | X 15 / 10 | | |
|--|--|------------------------|------------------------|------------------------|------------------------|-----------------------|
| Location: SL: 140 FSL & 305 FEL | (15); BHL: 100 FNL & 600 FEL (10) | Co | ounty: Lea | | | ST: NM |
| Sec. 15 Blk: Survey: | | TWP: 23S | RNG: 3 | 4E Prop. TVD | 11304 | TMD: 21523 |
| INTA | NGIBLE COSTS 0180 | | CODE | ТСР | CODE | сс |
| Regulatory Permits & Surveys | | | 0180-0100 | \$20,000 | 0180-0200 | |
| Location / Road / Site / Preparation | | | 0180-0105 | | 0180-0205 | \$25,00 |
| Location / Restoration | 00 dava dala / 4 dava a sara @ \$04.50 | 0/-1 | 0180-0106 | \$200,000 | 0180-0206 | \$30,000 |
| Daywork / Turnkey / Footage Drilling Fuel | 32 days drlg / 4 days comp @ \$2150 1700 gal/day @ \$2.74/gal | 0/d | 0180-0110 0180-0114 | \$734,800 \$159,200 | 0180-0210 | \$91,800 \$420.000 |
| Mud, Chemical & Additives | 1700 gai/day @ \$2.74/gai | | 0180-0120 | | | \$420,000 |
| Horizontal Drillout Services | | | | +, | 0180-0222 | \$250,000 |
| Cementing | | | 0180-0125 | \$100,000 | 0180-0225 | \$30,000 |
| Logging & Wireline Services | | | 0180-0130 | \$2,500 | 0180-0230 | \$390,00 |
| Casing / Tubing / Snubbing Service | | | 0180-0134 | \$20,000 | 0180-0234 | \$90,00 |
| Mud Logging | | | 0180-0137 | \$30,000 | 0400.0044 | ¢0.000.00 |
| Stimulation Stimulation Rentals & Other | 51 Stg 20.0 MM gal / 20.0 MM lb | | | | 0180-0241 0180-0242 | |
| Water & Other | | | 0180-0145 | \$60,000 | 0180-0245 | \$900,00 |
| Bits | | | 0180-0148 | \$125,000 | 0180-0248 | \$8,00 |
| Inspection & Repair Services | | | 0180-0150 | \$40,000 | 0180-0250 | \$5,00 |
| Misc. Air & Pumping Services | | | 0180-0154 | | 0180-0254 | |
| Testing & Flowback Services | | | 0180-0158 | \$15,000 | 0180-0258 | \$30,00 |
| Completion / Workover Rig | | | 0400.010 | #4F0 000 | 0180-0260 | \$10,500 |
| Rig Mobilization Transportation | | | 0180-0164 0180-0165 | \$150,000 | 0180-0265 | \$20,00 |
| Welding Services | | | 0180-0165 | | 0180-0265 | |
| Contract Services & Supervision | | | 0180-0188 | \$52,500 | 0180-0268 | \$15,00 |
| Directional Services | Includes Vertical Control | | 0180-0175 | \$375,000 | | \$00,000 |
| Equipment Rental | | | 0180-0180 | | 0180-0280 | \$30,000 |
| Well / Lease Legal | | | 0180-0184 | | 0180-0284 | |
| Well / Lease Insurance | | | 0180-0185 | \$5,600 | 0180-0285 | |
| Intangible Supplies | | | 0180-0188 | \$8,000 | 0180-0288 | \$10,000 |
| Damages | | | 0180-0190 | \$10,000 | 0180-0290 | ¢4.000 |
| ROW & Easements Pipeline Interconnect | | | 0180-0192 | | 0180-0292 0180-0293 | \$4,000 |
| Company Supervision | | | 0180-0195 | \$168,000 | 0180-0295 | \$105,600 |
| Overhead Fixed Rate | | | 0180-0196 | \$10,000 | 0180-0296 | \$20,000 |
| Well Abandonment | | | 0180-0198 | , | 0180-0298 | |
| Contingencies | 2% (TCP) 2% (CC) | | 0180-0199 | \$57,600 | 0180-0299 | \$99,100 |
| | | TOTAL | | \$2,938,900 | | \$5,054,000 |
| TAT | NGIBLE COSTS 0181 | | | | | |
| Casing (19.1" - 30") | | | 0181-0793 | | | |
| Casing (10.1" - 19.0") | 1350' - 13 3/8" 54.5# J-55 ST&C @ \$3 | 38.48/ft | 0181-0794 | \$55,500 | | |
| Casing (8.1" - 10.0") | 4985' - 9 5/8" 36# J-55 LT&C @ \$24.6 | 67/ft | 0181-0795 | \$131,300 | | |
| Casing (6.1" - 8.0") | 11550' - 7" 29# HCP-110 LT&C @ \$23 | | 0181-0796 | \$294,100 | | |
| Casing (4.1" - 6.0") | 10730' - 4 1/2" 13.5# P-110 BPN @ \$* | | | | 0181-0797 | \$139,300 |
| Tubing Drilling Head | 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74 | l/ft | 0191 0960 | \$40,000 | 0181-0798 | \$66,200 |
| Tubing Head & Upper Section | | | 0181-0860 | \$40,000 | 0181-0870 | \$30,000 |
| Horizontal Completion Tools | Completion Liner Hanger | | | | 0181-0870 | |
| Sucker Rods | | | | | 0181-0875 | \$10,000 |
| Subsurface Equipment | | | | | 0181-0880 | |
| Artificial Lift Systems | Gas Lift Valves & pkr | | | | 0181-0884 | \$25,000 |
| Pumping Unit | | | | | 0181-0885 | |
| Surface Pumps & Prime Movers | (1/2) VRU/SWD pump/circ pump | | | | 0181-0886 | \$25,000 |
| Tanks - Oil | (1/2) 6 - 750 bbl | | | | 0181-0890 | \$57,000 |
| Tanks - Water | (1/2) 5 - 750 bbl coated | | | | 0181-0891 | \$57,50 |
| Separation / Treating Equipment | 30"x10'x1k# 3 ph/36"x15'x1k# | | ╏────┤ | | 0181-0895 | |
| Heater Treaters, Line Heaters Metering Equipment | 8'x20'x75# HT | | ╏────┤ | | 0181-0897 0181-0898 | \$27,00 \$14,00 |
| Line Pipe & Valves - Gathering | (1/2) 1.30 Mile 4" Wtr | | | | 0181-0898 | \$14,00 |
| Fittings / Valves & Accessories | | | | | 0181-0900 | \$100,00 |
| Cathodic Protection | | | | | 0181-0908 | |
| Electrical Installation | Automation, Battery power, power li | ne, location includ | | | 0181-0909 | |
| Equipment Installation | | | | | 0181-0910 | \$50,00 |
| Pipeline Construction | (1/2) 1.30 Mile 4" Wtr | | | | 0181-0920 | \$10,00 |
| | | TOTAL | | \$520,900 | | \$1,015,50 |
| | | SUBTOTAL | ľ | \$3,459,800 | | \$6,069,50 |
| | | OUDICIAL | | \$3,433,000 | | \$0,003,50 |
| | TOTAL W | /ELL COST | | \$9,5 | 29,300 | |
| Operator has secured Ex | Operator's Extra Expense Insurance and tra Expense Insurance covering costs of we own well control insurance policy. | | | | ine Item 018 | 0-0185. |
| f neither box is checked above, non-operating | working interest owner elects to be covered by C | perator's well control | insurance. | | | |
| Prepared by: | Jacob Maxey | Date: | 9/10/20 | 19 | | |
| | whittee | Date: | | | | |
| Joint Owner Interest: 4.8901420 | 0% Amount: \$465.006.30 | | | | | |
| Joint Owner Interest: 4.8901420 Joint Owner Name: | 00% Amount: \$465,996.30 Tom M. Ragsdale | Signature: | | | | |
| | | Signature: | | | | |

Siana Oil & Gas Co., LLC

400 N Sam Houston Parkway East Ste. 601 Houston, TX 77060

Telephone 713-568-1082 Fax 832-767-1403

April 15, 2020

Mewbourne Oil Company P.O. Box 7698 Tyler, TX. 75711

Attn: Mr. Ken Waits, President

Re: Tom M. Ragsdale's Interest in Mewbourne's proposed wells Ibex 15/10 B3PA Fed Com #1H and Ibex 15/10 B1PA Fed Com #2H Lea County, New Mexico

Dear Ken,

This letter addresses my interest in, and the AFEs associated with, the referenced wells proposed by Mewbourne which have been compulsory pooled under Case No. 20809, Order No. R-20924-A.

Mewbourne recently sent notice of the Order and the AFEs for the referenced wells. (However, I received an actual copy of the Order subsequently to receiving the notice.) Per the terms of the Order, attached please find executed AFEs for both wells.

Please note that I executed the original AFE for the Ibex 15/10 B1PA Fed Com 2H and not the AFE which was included with Mitch Robb's notice and cover letter. Per Mitch, that AFE included the "realized cost of the drilling, plugging and abandoning of the Ibex 10/15 B1AP Fed Com #2H and the substitute Ibex 10/15 B1AP Fed Com #2HY well which was drilled in accordance with 19.15.13.8.(4) NMAC". This rule addresses Compulsory Pooling, Charges for Risk, and specifically substitute wells drilled within 10 days of the original well's abandonment. I object to the requirement to pay the cost associated with the previously drilled wells.

I was not a participant, nor was my interest compulsory pooled, prior to Mewbourne drilling either of the attempted Ibex 10/15 B1AP wells. Order R-20924-A attempts to include a compulsory pooling order for these wells after they were already drilled, plugged and abandoned. Because of this after-the-fact timing, the Order does not obligate me to pay for the costs, nor any risk charges, associated with drilling and abandoning the wells.

I would be happy to discuss this matter further with you by phone. I look forward to hearing from you soon.

Best regards,

Tom M. Ragsdale

enclosures

NMOCD Case No. 21324 EXHIBIT 6 - Karen Stanford Direct Testimony September 11, 2020

cc: Bruce Insalaca by email

| AUTHORIZATION FOR I | EXPENDITURE |
|---------------------|-------------|
|---------------------|-------------|

| Location: SL: 140 FSL & 305 FEL (15); BHL: 100 FNL & 600 FEL (10) | | | (15/10 | | |
|--|--|---|---|--|---|
| | 2010 | ounty: Lea | | | ST: NM |
| Sec. 15 Biki Survey: TWP | 235 |] RNG:[3 | 4E Prop. TVI |): 11304 | TMD: 21523 |
| INTANGIBLE COSTS 0180 | | CODE | TCP | CODE | сс |
| legulatory Permits & Surveys ocation / Road / Site / Preparation | | 0180-0100 | | 0180-0200 | |
| ocation / Restoration | | 0180-0105 | \$85,000 | | \$25,0 |
| Daywork / Turnkey / Footage Drilling 32 days drig / 4 days comp @ \$21500/d | ······ | 0180-0106 | | 0180-0205 | \$30,0 |
| Fuel 1700 gal/day @ \$2.74/gal | | 0180-0110 | \$734,800 | 0180-0210 | \$91,8 |
| Mud, Chemical & Additives | | 0180-0114 | \$159,200 | | \$420,0 |
| Horizontal Drillout Services | | 0180-0120 | 5200,000 | 0180-0220 | 0000.0 |
| Demenling | | 0100 0105 | ¢100.000 | 0180-0222 | \$250,0 |
| ogging & Wireline Services | | 0180-0125 | \$100,000 | | \$30,0 |
| Tasing / Tubing / Snubbing Service | | 0180-0130 | \$2,500 \$20,000 | | \$390,0 |
| Mud Logging | | 0180-0134 | \$30,000 | 0160-0234 | \$90,0 |
| Stimulation 51 Stg 20.0 MM gal / 20.0 MM lb | | 0100-0137 | \$50,000 | 0400 0044 | <u> </u> |
| Stimulation Rentals & Other | | | | 0180-0241 | \$2,200,0 |
| Nater & Other | | 0180-0145 | 560.000 | 0180-0245 | \$200,0 |
| Bits | | 0180-0148 | | 0180-0248 | \$8,0 |
| nspection & Repair Services | | 0180-0150 | | 0180-0250 | |
| Aisc. Air & Pumping Services | | 0180-0154 | 240,000 | 0180-0254 | \$5,0 |
| esting & Flowback Services | | 0180-0154 | \$15,000 | 0180-0254 | \$10,0 |
| Completion / Workover Rig | | | ¢10,000 | 0180-0260 | |
| Rig Mobilization | | 0180-0164 | \$150,000 | 0100-0200 | \$10.5 |
| Transportation | | 0180-0165 | | 0180-0265 | \$20,0 |
| Velding Services | | 0180-0168 | | 0180-0268 | \$20,0 |
| Intract Services & Supervision | | 0180-0170 | \$52,500 | | \$60,0 |
| Directional Services Includes Vertical Control | | 0180-0175 | \$375,000 | 5100-0270 | |
| quipment Rental | | 0180-0180 | | 0180-0280 | \$30.0 |
| Nell / Lease Legal | | 0180-0184 | \$5,000 | | , 0,000 |
| Nell / Lease Insurance | | 0180-0185 | | 0180-0285 | |
| ntangible Supplies | | 0180-0188 | | 0180-0288 | \$10,0 |
| Damages | | 0180-0190 | | 0180-0290 | 010,0 |
| ROW & Easements | | 0180-0192 | | 0180-0292 | \$4.0 |
| Pipeline Interconnect | | | | 0180-0293 | |
| Company Supervision | | 0180-0195 | \$168,000 | | \$105,6 |
| Dverhead Fixed Rale | | 0180-0196 | \$10,000 | | \$20,0 |
| Vell Abandonment | | 0180-0198 | | 0180-0298 | |
| Contingencies 2% (TCP) 2% (CC) | | 0180-0199 | \$57,600 | 0180-0299 | \$99,1 |
| | TOTAL | | \$2,938,900 | | \$5,054,0 |
| TANGIBLE COSTS 0181 | | | | | 00100110 |
| Casing (19.1" - 30") | | 0404 0700 | | | |
| | | 0181-0793 | | | |
| | | 0101 0704 | 666 600 | | |
| Casing (10.1" - 19.0") 1350' - 13 3/8" 54.5# J-55 ST&C @ \$38.48/H Casing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$34.87/H | | 0181-0794 | \$55,500 | | |
| Casing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67//t | | 0181-0795 | \$131,300 | | |
| Casing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67//t Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23,84//t | | } | | 0181 0797 | \$120.2 |
| Casing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67/ft Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft Casing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft | | 0181-0795 | \$131,300 | 0181-0797 | \$139,3 |
| Casing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67//t Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23,84//t | | 0181-0795 0181-0796 | \$131,300 \$294,100 | 0181-0797 0181-0798 | \$139,3 \$66,2 |
| Casing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67/ft Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft Casing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft Ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Drilling Head 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft | | 0181-0795 | \$131,300 | 0181-0798 | \$66,2 |
| Sasing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67/lt Jasing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/lt Sasing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.15/lt Ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/lt Jrilling Head Upper Section | | 0181-0795 0181-0796 | \$131,300 \$294,100 | 0181-0798 0181-0870 | \$66.2 \$30.0 |
| Casing (8.1" - 10.0") 4985' - 9 6/8" 36# J-55 LT&C @ \$24.67/ft Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft Casing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft 'ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Drilling Head 'ubing 'ubing Head 'ubing Completion Liner Hanger | | 0181-0795 0181-0796 | \$131,300 \$294,100 | 0181-0798 0181-0870 0181-0871 | \$66.2 \$30.0 |
| Casing (8.1" - 10.0") 4985' - 9 6/8" 36# J-55 LT&C @ \$24.67/ft Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft Casing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Drilling Head Upper Section Uniorizontal Completion Tools Completion Liner Hanger Sucker Rods Sucker Rods | | 0181-0795 0181-0796 | \$131,300 \$294,100 | 0181-0798 0181-0870 | \$66.2 \$30.0 |
| Casing (8.1" - 10.0") 4985' - 9 6/8" 36# J-55 LT&C @ \$24.67/lt Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/lt Casing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/lt Ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/lt Tubing Head Fully and the section | | 0181-0795 0181-0796 | \$131,300 \$294,100 | 0181-0798 0181-0870 0181-0871 0181-0875 | \$66,2 \$30.0 \$70,0 |
| Casing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67//t Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84//t Casing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16//t Ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74//t Dnilling Head 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74//t Dnilling Head 2000 - 2 7/8" 6.5# L-80 Tbg @ \$5.74//t Ubing Head & Upper Section Completion Liner Hanger Jorker Rods 2000 - 2 7/8" 6.5# L-80 Tbg @ \$5.74//t | | 0181-0795 0181-0796 | \$131,300 \$294,100 | 0181-0798 0181-0870 0181-0871 0181-0875 0181-0880 | \$66,2 \$30.0 \$70,0 |
| Casing (8.1" - 10.0") 4985' - 9 6/8" 36# J-55 LT&C @ \$24.67//t Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft Casing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft Ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Drilling Head 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Drilling Head 2000 - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Drilling Head 2000 - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Drilling Head 2000 - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Drilling Head 2000 - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Drilling Head 2000 - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Value Head & Upper Section Completion Liner Hanger Sucker Rods 2000 - 2000 | | 0181-0795 0181-0796 | \$131,300 \$294,100 | 0181-0798 0181-0870 0181-0871 0181-0871 0181-0875 0181-0880 0181-0884 0181-0885 | \$66.2 \$30.0 \$70,0 \$25,0 |
| Casing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67/ft Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft Casing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft Ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Drilling Head 0800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Drilling Head 0000' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Ubing Head & Upper Section 0000' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Uorizontal Completion Tools Completion Liner Hanger Uocker Rods 0000' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Ubing Head & Upper Section Completion Liner Hanger Uocker Rods 0000' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Ubing Unit 0000' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Upticate Equipment 1100' - 110' - 1 | | 0181-0795 0181-0796 | \$131,300 \$294,100 | 0181-0798 0181-0870 0181-0871 0181-0875 0181-0880 0181-0884 | \$66.2 \$30.0 \$70.0 \$25.0 \$25.0 |
| Casing (8.1" - 10.0") 4985' - 9 6/8" 36# J-55 LT&C @ \$24.67/ft Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft Casing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft Ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Drilling Head 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Ubing Head & Upper Section Completion Liner Hanger Vorter Rods Ubsurface Equipment urtilicial Lift Systems Gas Lift Valves & pkr Yumping Unit (1/2) VRU/SWD pump/circ pump anks - Oil (1/2) 5 - 750 bb1 | | 0181-0795 0181-0796 | \$131,300 \$294,100 | 0181-0798 0181-0870 0181-0871 0181-0875 0181-0880 0181-0884 0181-0885 0181-0885 | \$66.2 \$30.0 \$70.0 \$25.0 |
| Casing (8.1" - 10.0") 4985' - 9 6/8" 36# J-55 LT&C @ \$24.67/ft Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.64/ft Casing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.15/ft Ubing 10800' - 2 7/8" 6.5# L-80 Thg @ \$5.74/ft Drilling Head 10800' - 2 7/8" 6.5# L-80 Thg @ \$5.74/ft Ubing Head & Upper Section Completion Liner Hanger Iorizontal Completion Tools Completion Liner Hanger ubsurface Equipment | | 0181-0795 0181-0796 | \$131,300 \$294,100 | 0181-0798 0181-0870 0181-0871 0181-0875 0181-0880 0181-0885 0181-0885 0181-0885 0181-0886 | \$66.2 \$30.0 \$70.0 \$25.0 \$25.0 \$25.0 \$57.0 |
| Casing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67/ft Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft Casing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.15/ft Ubing 10800' - 2 7/8" 6.5# L-80 Thg @ \$5.74/ft Iniling Head 0800' - 2 7/8" 6.5# L-80 Thg @ \$5.74/ft Ubing Head & Upper Section Completion Liner Hanger Uorizontal Completion Tools Completion Liner Hanger ucker Rods Ubsurface Equipment "difficial Lift Systems Gas Lift Valves & pkr 'umping Unit Ur/2) VRU/SWD pump/circ pump anks - Oil (1/2) VRU/SWD pump/circ pump anks - Water (1/2) 5 - 750 bbl coaled eparation / Treating Equipment 30"x10"x1K# 3 ph/36"x15"x1k# ealer Trealers, Line Heaters 6"x20"x75# HT | | 0181-0795 0181-0796 | \$131,300 \$294,100 | 0181-0798 0181-0870 0181-0870 0181-0875 0181-0880 0181-0880 0181-0885 0181-0885 0181-0890 0181-0891 | \$66.2 \$30.0 \$70.0 \$25.0 \$25.0 \$25.0 \$57.0 \$57.5 |
| Sasing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67/ft Jasing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft Sasing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft Ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Joiling Head 0 Ubing Head & Upper Section 0 Jorizontal Completion Tools Completion Liner Hanger Jucker Rods 0 Judstrace Equipment | | 0181-0795 0181-0796 | \$131,300 \$294,100 | 0181-0798 0181-0870 0181-0870 0181-0875 0181-0875 0181-0885 0181-0885 0181-0885 0181-0885 0181-0890 0181-0895 | \$66.2 \$30.0 \$70.0 \$25.0 \$25.0 \$25.5 \$57.5 \$67.5 |
| Sasing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67//t 'asing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft Sasing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft Ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Iniling Head 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Iniling Head 10200' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Ubing Head & Upper Section Completion Liner Hanger ucker Rods Ubsurface Equipment urlical Lift Systems Gas Lift Valves & pkr urlace Pumps & Prime Movers (1/2) VRU/SWD pump/circ pump anks - Oil (1/2) 6 - 750 bbl anks - Water (1/2) 5 - 750 bbl coaled eater Treaters, Line Heaters 8'x20'x75# HT telering Equipment Heaters relering Equipment Ping Kvalves - Gathering me Pipe & Valves - Gathering (1/2) 1.30 Mile 4" Wtr | | 0181-0795 0181-0796 | \$131,300 \$294,100 | 0181-0798 0181-0870 0181-0871 0181-0875 0181-0880 0181-0885 0181-0885 0181-0865 0181-0890 0181-0891 0181-0895 0181-0895 | \$66.2 \$30.0 \$70.0 \$25.0 \$25.0 \$57.5 \$57.0 \$57.5 \$67.5 |
| Casing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67//t Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84//t Casing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16//t Ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74//t Inilling Head 0800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74//t Ubing Head & Upper Section Completion Liner Hanger Ucker Rods Ubsurface Equipment ritlicial Lift Systems Gas Lift Valves & pkr Yumping Unit (1/2) VRU/SWD pump/circ pump anks - Oil (1/2) 6 - 750 bbi anks - Water (1/2) 5 - 750 bbi coaled eaparation / Treating Equipment 30"x10"x15# 3 ph/36"x15"x16# eater Treaters, Line Heaters 6"x20"x75# HT letering Equipment (1/2) 1.30 Mile 4" Wtr | | 0181-0795 0181-0796 | \$131,300 \$294,100 | 0181-0798 0181-0870 0181-0871 0181-0875 0181-0880 0181-0880 0181-0885 0181-0885 0181-0895 0181-0895 0181-0897 0181-0897 0181-0897 | \$66.2 \$30.0 \$70.0 \$25.0 \$25.0 \$57.0 \$57.5 \$67.5 \$67.5 \$227.0 \$14.0 |
| Casing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67//t Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84//t Casing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.15//t Ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74//t Iniling Head 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74//t Ubing Head & Upper Section Completion Liner Hanger Uobsurface Equipment Completion Liner Hanger rdilclal Lift Systems Gas Lift Valves & pkr 'umping Unit (1/2) VRU/SWD pump/circ pump anks - Oil (1/2) 5 - 750 bbl coaled eapration / Treating Equipment 30"x10"x15# 3 ph/36"x15"x16# eater Treaters, Line Heaters B'x20'x75# HT letering Equipment (1/2) 1.30 Mile 4" Wtr titings / Valves & Accessories athodic Protection | | 0181-0795 0181-0796 0181-0860 0181-0860 | \$131,300 \$294,100 | 0181-0798 0181-0870 0181-0870 0181-0875 0181-0880 0181-0886 0181-0885 0181-0891 0181-0895 0181-0895 0181-0898 0181-0898 0181-0898 | \$66.2 \$30.0 \$70.0 \$25.0 \$25.0 \$57.0 \$57.5 \$67.5 \$67.5 \$27.0 \$14.0 \$19.0 |
| Sasing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.87/ft Jasing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft Sasing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft Juling 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Juling 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft Juling Head Ubing Juling Head Completion Liner Hanger Jucker Rods Completion Liner Hanger Jucker Rods Ubing Jurace Pumps & Prime Movers (1/2) VRU/SWD pump/circ pump Jurace Pumps & Prime Movers (1/2) 5 - 750 bbl Jurace Pumps & Prime Movers (1/2) 5 - 750 bbl Jurace Pumps & Later (1/2) 5 - 750 bbl Jurace Pumps & Later (1/2) 5 - 750 bbl Jurace Pumps & Later (1/2) 5 - 750 bbl Jurace Pumps & Later (1/2) 5 - 750 bbl Jurace Pumps & Later (1/2) 5 - 750 bbl Jurace Pumps & Later (1/2) 5 - 750 bbl Jurace Pumps & Later (1/2) 5 - 750 bbl Jurace Pumps & Later (1/2) 5 - 750 bbl Jurace Pumps & Later (1/2) 1 - 750 bbl Jurace Pumps & Later (1/2) 1 - 1.30 Mite 4" Wtr Latering Equipment B'x20'x75# HT Jule Evalues & Accessories (1/2) 1.30 Mite 4" Wtr Laters | tion inclug | 0181-0795 0181-0796 0181-0860 0181-0860 | \$131,300 \$294,100 | 0181-0798 0181-0870 0181-0871 0181-0871 0181-0871 0181-0885 0181-0885 0181-0885 0181-0885 0181-0895 0181-0897 0181-0897 0181-0896 0181-0906 | \$66.2 \$30.0 \$70.0 \$25.0 \$25.0 \$57.5 \$57.5 \$67.5 \$67.5 \$27.0 \$14.0 \$19.0 \$19.0 |
| iasing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67/ft iasing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft iasing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft iniling Head ubing ubing Head & Upper Section completion Liner Hanger ucker Rods ubing ubing Unit completion Liner Hanger ucker Rods ubing ubing Unit urface Pumps & Prime Movers urface Pumps & Prime Movers (1/2) VRU/SWD pump/circ pump anks - Oli (1/2) 5 - 750 bbi anks - Water (1/2) 5 - 750 bbi uer Treaters, Line Heaters 8'x20'x75# HT letering Equipment ne ne Pipe & Valves - Gathering (1/2) 1.30 Mile 4" Wtr ttitings / Valves & Accessories alhodic Protection extrical Installation Automation, Battery power, power line, local | ition includ | 0181-0795 0181-0796 0181-0860 0181-0860 | \$131,300 \$294,100 | 0181-0798 0181-0870 0181-0875 0181-0875 0181-0880 0181-0880 0181-0880 0181-0880 0181-0890 0181-0895 0181-0998 0181-0990 0181-0998 0181-0908 | \$66.2 \$30.0 \$70.0 \$25.0 \$25.0 \$57.5 \$57.5 \$57.5 \$57.5 \$57.5 \$27.0 \$14.0 \$190.0 \$100.0 \$100.0 |
| iasing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67/ft iasing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft iasing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft iniling Head ubing ubing Head & Upper Section completion Liner Hanger ucker Rods ubing ubing Unit completion Liner Hanger ucker Rods ubing ubing Unit urface Pumps & Prime Movers urface Pumps & Prime Movers (1/2) VRU/SWD pump/circ pump anks - Oli (1/2) 5 - 750 bbi anks - Water (1/2) 5 - 750 bbi uer Treaters, Line Heaters 8'x20'x75# HT letering Equipment ne ne Pipe & Valves - Gathering (1/2) 1.30 Mile 4" Wtr ttitings / Valves & Accessories alhodic Protection extrical Installation Automation, Battery power, power line, local | tion incluc | 0181-0795 0181-0796 0181-0860 0181-0860 | \$131,300 \$294,100 | 0181-0798 0181-0870 0181-0875 0181-0875 0181-0885 0181-0885 0181-0885 0181-0895 0181-0895 0181-0895 0181-0895 0181-0896 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 0181-0909 | \$66.2 \$30.0 \$70.0 \$25.0 \$25.0 \$57.5 \$67.5 \$67.5 \$67.5 \$27.0 \$14.0 \$19.0 \$100.0 \$8.0 \$250.0 |
| iasing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.87/ft iasing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft iasing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft iniling Head ubing ubing Head & Upper Section orizontal Completion Tools corpletion Tools Completion Liner Hanger ucker Rods ubing Unit urface Equipment (1/2) VRU/SWD pump/circ pump nilicial Lift Systems Gas Lift Valves & pkr urface Pumps & Prime Movers (1/2) VRU/SWD pump/circ pump onks - Oil (1/2) 5 - 750 bbi anks - Water (1/2) 5 - 750 bbi eater Treaters, Line Heaters 8"x20"x75# HT letering Equipment 10"x10"x1k# 3 ph/36"x15"x1k# ne Pipe & Valves - Gathering (1/2) 1.30 Mile 4" Wtr ttitings / Valves & Accessories athodic Protection extrical Installation Automation, Battery power, power line, loca | ition incluc | 0181-0795 0181-0796 0181-0860 0181-0860 | \$131.300 \$294.100 \$40,000 | 0181-0798 0181-0870 0181-0871 0181-0871 0181-0885 0181-0886 0181-0886 0181-0886 0181-0890 0181-0890 0181-0897 0181-0900 0181-0908 0181-081 0181-081 0181-081 0181-081 0181-085 0181-095 0181-095 0181-095 0181-095 0181-095 0181-085 0181- | \$66.2 \$30.0 \$70.0 \$25.0 \$25.0 \$57.0 \$57.5 \$67.5 \$67.5 \$67.5 \$27.0 \$14.0 \$190.0 \$50.0 \$250.0 \$50.0 \$50.0 \$50.0 \$50.0 \$50.0 |
| asing (8.1" - 10.0") 4985' - 9 6/8" 36# J-55 LT&C @ \$24.87/ft asing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft asing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft ubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft milling Head ubing ubing Head & Upper Section completion Liner Hanger ucker Rods usker Rods ubsurface Equipment ftlicial Lift Systems milling Haid Gas Lift Valves & pkr urdace Pumps & Prime Movers (1/2) VRU/SWD pump/circ pump onks - Oil (1/2) 5 - 750 bbi urks - Water (1/2) 5 - 750 bbi eater Treating Equipment 30"x10"x114# 3 pl/36"x15'x14# eater Treaters, Line Heaters 8'x20'x75# HT eater/ing Equipment million eater/ing Equipment million eatring Equipment numering eater Treaters, Line Heaters 8'x20'x75# HT eater/ing Equipment million eatring Equipment numation, Battery power, power line, loca main pipeline Construction (1/2) 1.30 Mile 4" Wtr | TOTAL | 0181-0795 0181-0796 0181-0860 0181-0860 | \$131.300 \$294.100 \$40,000 \$40,000 \$540,000 \$540,000 \$540,000 | 0181-0798 0181-0870 0181-0870 0181-0875 0181-0880 0181-0880 0181-0880 0181-0880 0181-0890 0181-0890 0181-0890 0181-0890 0181-0900 0181-091 0181-091 0181-091 0181-091 0181-091 0181-091 018 018 018 018 018 018 018 018 018 01 | \$66.2 \$30.0 \$70.0 \$25.0 \$25.0 \$57.0 \$57.5 \$67.5 \$67.5 \$67.5 \$67.5 \$67.5 \$67.0 \$14.0 \$190.0 \$100.0 \$50.0 \$10.0 \$10.15,5 |
| asing (8.1" - 10.0") 4985' - 9 6/8" 36# 3.55 LT&C @ \$24.87/ft asing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft asing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft bing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft rilling Head ubing Head & Upper Section orizontal Completion Tools Completion Liner Hanger ucker Rods ubing Unit urface Equipment 11/2' 5.750 bbl rillical Lift Systems Gas Lift Valvas & pkr urface Pumps & Prime Movers (1/2) VRU/SWD pump/circ pump unks - Oil (1/2) 5 - 750 bbl uster reating Equipment 30"x10"x1k# 3 pl/36"x15"x1k# alter Treating Equipment 30"x10"x1k# 3 pl/36"x15"x1k# alter Treaters, Line Heaters 8"x20"x75# HT etering Equipment (1/2) 1.30 Mile 4" Wtr titings / Valves & Accessories 34hodic Protection ctrical Installation Automation, Battery power, power line, local upment Installation (1/2) 1.30 Mile 4" Wtr | | 0181-0795 0181-0796 0181-0860 0181-0860 | \$131.300 \$294.100 \$40,000 | 0181-0798 0181-0870 0181-0870 0181-0875 0181-0880 0181-0880 0181-0880 0181-0880 0181-0890 0181-0890 0181-0890 0181-0890 0181-0900 0181-091 0181-091 0181-091 0181-091 0181-091 0181-091 018 018 018 018 018 018 018 018 018 01 | \$66,2 \$30,0 \$70,0 \$25,0 \$25,0 \$57,0 \$57,0 \$57,5 \$67,5 \$67,5 \$67,5 \$67,5 \$67,5 \$67,5 \$67,0 \$19,0 \$190,0 \$100,0 \$58,0 \$250,0 \$10,0\$10,0 |
| asing (8.1" - 10.0") 4985' - 9 6/8" 36# 3-55 LT&C @ \$24.87/ft asing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft asing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft bing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft filling Head bing Head & Upper Section orizontal Completion Tools Completion Liner Hanger Licker Rods Ubsurface Equipment fillical Lift Systems Gas Lift Valves & pkr indrace Pumps & Prime Movers (1/2) VRU/SWD pump/circ pump inks - Oil (1/2) 6 - 760 bbi nrks - Water (1/2) 5 - 750 bbi coaled paration / Treating Equipment 8'x20'x75# HT elering Equipment re Pipe & Valves - Gathering (1/2) 1.30 Mile 4" Wtr tings / Valves & Accessories thodic Protection pellen Construction (1/2) 1.30 Mile 4" Wtr | TOTAL. | 0181-0795 0181-0796 0181-0860 0181-0860 | \$131.300 \$294.100 \$40,000 \$40,000 \$540,000 \$540,000 \$5520,900 \$3,459,800 | 0181-0798 0181-0870 0181-0870 0181-0875 0181-0880 0181-0880 0181-0880 0181-0880 0181-0890 0181-0890 0181-0890 0181-0890 0181-0900 0181-091 0181-091 0181-091 0181-091 0181-091 0181-091 018 018 018 018 018 018 018 018 018 01 | \$66,2 \$30,0 \$70,0 \$25,0 \$25,0 \$57,0 \$50,0\$\$50,0\$\$\$50,0\$\$\$50,0\$\$\$50,0\$\$\$50,0\$\$\$50,0\$\$\$50,0\$\$\$50,0\$\$\$\$50,0\$\$\$\$50,0\$\$\$\$50,0\$\$\$\$\$50,0\$\$\$\$\$\$\$\$ |
| asing (8.1" - 10.0") 4985' - 9 6/8" 36# 3.55 LT&C @ \$24.87/ft asing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft asing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft bing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft rilling Head ubing Head & Upper Section orizontal Completion Tools Completion Liner Hanger ucker Rods ubing Head & Upper Section ubing Unit Ufface Equipment tillical Lift Systems Gas Lift Valvas & pkr urging Unit (1/2) VRU/SWD pump/circ pump undace Pumps & Prime Movers (1/2) 5 - 750 bbl coaled uparation / Treating Equipment 30"x10"x1k# 3 ph/36"x15"x1k# ater Treating Equipment 8"x20"x75# HT etering Equipment (1/2) 1.30 Mile 4" Wtr titings / Valves & Gathering (1/2) 1.30 Mile 4" Wtr etrical Installation (1/2) 1.30 Mile 4" Wtr | TOTAL IBTOTAL COST y proportio | 0181-0795 0181-0796 0181-0860 0181-0860 0181-0860 0181-0860 0181-0860 0181-0860 0181-0860 0181-0795 0181-0795 0181-0795 0181-0795 0181-0795 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0800 0000000000 | \$131.300 \$294.100 \$40,000 \$40,000 \$540,000 \$540,000 \$5,40,000 \$3,459,800 \$9,5 | 0181-0798 0181-0870 0181-0875 0181-0880 0181-0880 0181-0880 0181-0880 0181-0890 0181-0891 0181-0891 0181-0895 0181-0897 0181-0908 0181-0909 0181-0809 00000000000000000000000000 | \$66.2 \$30.0 \$70.0 \$25.0 \$25.0 \$57.0 \$57.0 \$57.0 \$57.0 \$57.0 \$57.0 \$14.0 \$190.0 \$100.0 \$100.0 \$50 |
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| asing (8.1" - 10.0") 4985' - 9 6/8" 36# J-55 LT&C @ \$24.87/ft asing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft asing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft bing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft rilling Head ubing Head & Upper Section orizontal Completion Tools Completion Liner Hanger ucker Rods ibsurface Equipment tillicial Lift Systems Gas Lift Valves & pkr umping Unit urface Pumps & Prime Movers (1/2) VRU/SWD pump/circ pump noks - Oil (1/2) 5 - 750 bbi coated inks - Water (1/2) 5 - 750 bbi coated alter Treaters, Line Heaters 8"x20"x75# HT etering Equipment titling Equipment ne Pipe & Valves - Gathering (1/2) 1.30 Mile 4" Wtr titlings Valves & Accessories athodic Protection guipment Installation peline Construction (1/2) 1.30 Mile 4" Wtr titlings I valves & Stra Expense Insurance and pay m Coperator has secured Extra Expense Insurance onligy. | TOTAL IBTOTAL COST y proportio | 0181-0795 0181-0796 0181-0860 0181-0860 0181-0860 0181-0860 0181-0860 0181-0860 0181-0860 0181-0795 0181-0795 0181-0795 0181-0795 0181-0795 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0800 0000000000 | \$131.300 \$294.100 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$3,459,800 \$9,5 tho premium. as estimated in L | 0181-0798 0181-0870 0181-0875 0181-0880 0181-0880 0181-0880 0181-0880 0181-0890 0181-0891 0181-0891 0181-0895 0181-0897 0181-0908 0181-0909 0181-0809 00000000000000000000000000 | \$66. \$30. \$70. \$25. \$25. \$57. \$57. \$57. \$57. \$57. \$57. \$14. \$190. \$100. \$100. \$50. \$100. \$50. \$100. \$1 |
| asing (8.1" - 10.0") 4985' - 9 6/8" 36# J-55 LT&C @ \$24.87/ft asing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft asing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft bing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft filling Head ubing Head & Upper Section orizontal Completion Tools Completion Liner Hanger Ucker Rods Ucker Rods Usker Rods Usker Rods Under Units Under Units Under Units Under Units Unit | TOTAL IBTOTAL COST y proportio sl, clean up well control in Date: Date: | 0181-0795 0181-0796 0181-0860 0181-0860 0181-0860 0181-0860 0181-0860 0181-0860 0181-0860 0181-0860 0181-0795 0181-0795 0181-0795 0181-0795 0181-0795 0181-0795 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-0796 0181-080000000000 | \$131.300 \$294.100 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$40,000 \$3,459,800 \$9,5 tho premium. as estimated in L | 0181-0798 0181-0870 0181-0875 0181-0875 0181-0885 0181-0886 0181-0886 0181-0890 0181-0890 0181-0890 0181-0890 0181-0900 0181-0800 | \$66,2 \$30,0 \$70,0 \$25,0 \$57,0 \$50,0\$50,0 |

Revised: 01/31/2018

MEWBOURNE OIL COMPANY AUTHORIZATION FOR EXPENDITURE

| Well Name: IBEX 15/10 B1PA FED | (15); BHL: 100 FNL & 450 FEL (10) | | pect: IBE) | (15/10 | | |
|--|--|------------------|--------------------------------------|---------------|--|-----------------------------------|
| | (15); BHL: 100 FNL & 450 FEL (10) | C | ounty: Lea | | | ST: NN |
| Sec. 15 Blk: Survey: | TWP: [| 235 |] RNG: 3 | E Props TV | D: 9684 | TMD: 1990 |
| INTA | NGIBLE COSTS 0180 | | | | | |
| legulatory Permits & Surveys | | | CODE 0180-0100 | TCP | CODE | CC |
| ocation / Road / Site / Preparation | | | 0180-0100 | \$20,000 | 0180-0200 | |
| ocation / Restoration | | | 0180-0106 | | 0180-0205 | \$25 |
| aywork / Turnkey / Footage Drilling | 30 days drig / 4 days comp @ \$21500/d | | 0180-0110 | | 0180-0210 | \$30. |
| fuel | 1700 gal/day @ \$2.74/gal | | 0180-0114 | | 0180-0214 | \$91, |
| Aud, Chemical & Additives | | | 0180-0120 | | 0180-0220 | |
| Iorizontal Drillout Services | | | | | 0180-0222 | \$250 |
| Cementing ogging & Wireline Services | | | 0180-0125 | \$100,000 | 0180-0225 | \$30. |
| asing / Tubing / Snubbing Service | | | 0180-0130 | \$2,500 | 0180-0230 | \$390 |
| fud Logging | | | 0180-0134 | | 0180-0234 | \$90 |
| limulation | 51 Stg 20.0 MM gal / 20.0 MM Ib | | 0180-0137 | \$30,000 | | |
| ilimulation Rentals & Other | 51 Stg 20.0 MM gal / 20.0 MM lb | | ╏─────┤ | ····· | 0180-0241 | \$2,200, |
| Valer & Other | | | 0180-0145 | 000.000 | 0180-0242 | \$200, |
| its | | | 0180-0145 | | 0180-0245 | \$900, |
| spection & Repair Services | | | 0180-0150 | \$40,000 | 0180-0248 | \$8, |
| lisc. Air & Pumping Services | ····· | | 0180-0154 | 340,000 | 0180-0250 | \$5, |
| esting & Flowback Services | | | 0180-0158 | \$15.000 | 0180-0258 | \$10, |
| ompletion / Workover Rig | | | | 010,000 | 0180-0258 | \$30, |
| ig Mobilization | | | 0180-0164 | \$150,000 | | \$10, |
| ansportation | | | 0180-0165 | \$30,000 | Bauman 1 | \$20, |
| elding Services | | | 0180-0168 | \$5,000 | | \$15, |
| ontract Services & Supervision | | | 0180-0170 | \$49,500 | | \$60, |
| rectional Services | Includes Vertical Control |] | 0180-0175 | \$350,000 | | |
| ell / Lease Legal | | | 0180-0180 | | 0180-0280 | \$30, |
| ell / Lease Legal ell / Lease Insurance | | | 0180-0184 | \$5,000 | 0180-0284 | |
| angible Supplies | | | 0180-0185 | \$5,200 | 0180-0285 | |
| anges | | | 0180-0188 | \$8,000 | 0180-0288 | \$10, |
| W & Easements | | | 0180-0190 | \$5,000 | 0180-0290 | |
| pel/ne Interconnect | | | 0180-0192 | | 0180-0292 | \$4. |
| mpany Supervision | ······································ | | | | 0180-0293 | |
| /erhead Fixed Rate | | | 0180-0195 | | 0180-0295 | \$105, |
| eli Abandonment | | { | 0180-0196 | \$10,000 | | \$20, |
| ontingencies | 2% (TCP) 2% (CC) | { | 0180-0198 | | 0180-0298 | |
| | TO | | 0180-0199 | | 0180-0299 | \$99, |
| TAN(| GIBLE COSTS 0181 | | | \$2,849,500 | T | \$5,054, |
| asing (10.1" - 19.0") | 1350' - 13 3/8" 54.5# J-55 ST&C @ \$38.48/ft | | 0181-0793 | 000 000 | - | |
| ising (8.1" - 10.0") | 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67/h | | 0181-0794 | \$55,500 | | |
| sing (6.1" - 8.0") | 9950' - 7" 29# HCP-110 LT&C @ \$23.84/ft | | 0181-0795 | \$253,300 | <u>├──</u> | <u> </u> |
| sing (4.1" - 6.0") | 10700' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft | | | | 0181-0797 | \$139. |
| blog | 9200' • 2 7/8" 6.5# L-80 Tbg @ \$5.74/lt | | _ | | 0181-0798 | \$56, |
| lling Head | | | 0181-0860 | \$40,000 | | |
| bing Head & Upper Section rizontal Completion Tools | | | | | 0181-0870 | \$30,0 |
| cker Rods | Completion Liner Hanger | | | | 0181-0871 | \$70, |
| osurface Equipment | | | | | 0181-0875 | |
| ificial Lift Systems | | | | | 0181-0880 | |
| mping Unit | Gas Lift Valves & pkr | | | | 0161-0884 | \$25,0 |
| rface Pumps & Prime Movers | (4 M) MOI (COMP) | | | | 0181-0885 | |
| nace Pumps & Prime Wovers | (1/2) VRU/SWD pump/circ pump | | | | 0181-0886 | \$25,0 |
| iks - Water | (1/2) 6 - 750 bbl (1/2) 5 - 750 bbl coated | | |] | 0181-0890 | \$57,0 |
| paration / Treating Equipment | 30"x10'x1k#/3 ph/36"x15'x1k#/Gun bbl/VRT | | | | 0181-0891 | \$57, |
| ater Treaters, Line Heaters | 8'x20'x75# HT | - | | | 0181-0895 | \$67, |
| lering Equipment | | | | | 0181-0897 | \$27,0 |
| Pipe & Valves - Gathering | (1/2) 1.30 Mile 4" Wtr | — - | | | 0181-0898 | \$14, |
| | | | | | | \$19,0 |
| hodic Protection | · · · · · · · · · · · · · · · · · · · | | | | | \$100,0 |
| | Automation, Battery power, power line, location in | clud | | <u> </u> | | \$8,6 |
| | | | | | | \$250,0 |
| eline Construction | (1/2) 1.30 Mile 4" Wtr | | | | | \$50,0 \$10,0 |
| | TAT | AL | | £ 470.404 | | |
| | | | | 3480,100 | | \$1,005, |
| | SUBTOT | AL | | \$3,329,600 | | \$6,059, |
| | TOTAL WELL COST | r I | | ¢0.2 | 80 000 | |
| tings / Valves & Accessories tubodic Protection actrical Installation upment Installation peline Construction | Automation, Battery power, power line, location in | AL | | \$480,100 | 0181-0900 0181-0906 0181-0908 0181-0909 0181-0909 0181-0920 | \$10 \$20 \$1 \$1 \$1 |
| ····· | SUBTOT | AL | | \$3,329,600 | | \$6,059 |
| Trends and the local states of the local state | TOTAL WELL COST | <u>г </u> | | \$9,3 | 89,000 | _ |
| I elect to be covered by O Operator has secured Extra I elect to purchase my ow | TOTAL WELL COST perator's Extra Exponse insurance and pay my prop. Expense insurance covering costs of well control, dear n well control insurance policy. king interest owner elects to be covered by Operator's well con | ortion n up a | nate share of t and redrilling as | <u></u> | | 0185. |
| Prepared by: | | _ | | | | |
| s segmenter and and a second | | Dale: | 9/10/2019 | - | | |
| Company Approval: | sheller i |)ate: | 9/12/2019 | | | |
| Company Approval: | |)ale; | 9/12/2019 | A 44 10 10 10 | | |

Revised: 01/31/2018

3620 OLD BULLARD RD. TYLER, TEXAS 75701 903-561-2900 FAX 903-581-0113

May 15, 2020 Mr. Tom M. Ragsdale Siana Oil and Gas, LLC 400 N Sam Houston Pkwy E, Suite 601 Houston, TX 77060 Attn: Tom Ragsdale and Karen Stanford

Re: Ibex 15/10 B1PA Fed Com #2H Sections 10/15, T23S, R34E Lea County, New Mexico

Karen and Tom,

Thank you again for your time Tuesday afternoon. Drew and I appreciated the opportunity to discuss the matter one more time.

As previously communicated in my letter dated April 23, 2020, Article 27 of Order R-20924-A (the "Order"), dated February 19, 2020 and related to the Ibex wells, stated that <u>no later than thirty (30) days</u> <u>after submitting the Estimated Well Costs that the Pooled Working Interest shall elect to pay its share of the Estimated Wells Costs</u>. Mewbourne Oil Company ("Mewbourne") submitted the Estimated Well Costs to you on March 5, 2020 with delivery on March 10, 2020. Pursuant to the terms of the Order, your election was due no later than April 10, 2020. Since the letter sent to Ken Waits as to your election under the Order was dated April 15, 2020, the thirty (30) days established in the Order lapsed prior to your election. Once the thirty (30) days expired, the Tom Ragsdale Interest was Force Pooled pursuant to the terms of the Order.

Further, as stated in the same April 23, 2020 letter, Mewbourne offered a conditional opportunity for you to still participate in the two Bone Spring Ibex tests, if Mewbourne received the full payments of $\frac{610,852.09}{200}$ as to the Tom Ragsdale 4.890142% working interest in the Ibex 15/10 B1PA Fed Com #2H (inclusive of the first two attempts to drill the test) and $\frac{465,996.30}{200}$ as to 4.890142% of costs for drilling and completing the Ibex 15/10 B3PA Fed Com #1H. The deadline for this conditional offer was May 11, 2020. Though Mewbourne received the full amount required for the B3PA well, the requirement set forth as to the B1PA was not met. Mewbourne only received $\frac{459,135.43}{200}$ as compared to the $\frac{610,852.09}{200}$ required to cover the drilling and completion costs of this well. Having not rendered the deadline to receive a payment for the difference between the $\frac{610,859.09}{200}$ required and the $\frac{459,135.40}{200}$ received, being $\frac{151,716.66}{200}$. The deadline communicated for the extended opportunity expired at 4:30 pm Thursday May 13, 2020. At this time, the conditional opportunity for you to participate in the Ibex 15/10 B1PA Fed Com #2H has expired and is no longer available. Pursuant to the terms of the Order, the interest in the Ibex 15/10 B1PA Fed Com #2H shall be considered a Non-Consenting Pooled Working Interest.

NMOCD Case No. 21324 EXHIBIT 7 - Karen Stanford Direct Testimony September 11, 2020 Having received your full proportional share of the drilling and completion costs for the <u>Ibex 15/10 B3PA</u> <u>Fed Com #1H</u>, Mewbourne Oil Company will follow through with the offer communicated on April 23rd and allow you to participate in lieu of maintaining your Force Pooled interest as established on April 10th. Please expect further information regarding the <u>Ibex 15/10 B3PA Fed Com #1H</u>.

With the Tom Ragsdale 4.890142% interest in the E/2E/2 Sections 10 and 15 as to the 1st Bone Spring Sand having been Force Pooled, Mewbourne Oil Company is returning the amount of \$459,135.43 to you. Tom Nunamaker, the Accounting Manager at Siana Oil and Gas, reached out to Don Russell with Mewbourne Oil Company yesterday. Mr. Nunamaker requested the funds be wire-transferred and not mailed. Mr. Nunamaker furnished us the wiring instructions which we will execute later today. Please expect the sum of \$459,135.43 to be returned to you by the end-of-business today. Mewbourne will proceed with the Ibex 15/10 B1PA Fed Com #2H, and the 4.890142% working interest will be handled as a Non-Consenting Pooled Working Interest pursuant to the terms of the Order.

Regards,

Bruce Insalaco Vice President of Exploration Mewbourne Oil Company