

CASE NO. 23361

**APPLICATION OF TEXAS STANDARD OPERATING NM LLC FOR COMPULSORY  
POOLING LEA COUNTY, NEW MEXICO**

**EXHIBIT LIST**

1. Application and Proposed Notice
2. Landman's Affidavit
3. Geologist's Affidavit
4. Affidavit of Mailing
5. Pooling Checklist

**BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION**

**APPLICATION OF TEXAS STANDARD  
OPERATING NM LLC FOR COMPULSORY  
POOLING, LEA COUNTY, NEW MEXICO.**

Case No. 23361

**APPLICATION**

Texas Standard Operating NM LLC applies for an order pooling all uncommitted mineral interest owners in the Upper Penn Shale formation in a horizontal spacing unit underlying (i) the W/2E/2 of Section 34, Township 16 South, Range 36 East, N.M.P.M., and (ii) the W/2E/2 of Section 3 and the NW/4NE/4 of Section 10, Township 17 South, Range 36 East, N.M.P.M., and in support thereof, states:

1. Applicant is an operator in the W/2E/2 of Section 34, the W/2E/2 of Section 3, and the NW/4NE/4 of Section 10, and has the right to drill a well thereon.

2. Applicant proposes to drill the Bulldog State Well Nos. 1H and 2H to depths sufficient to test the Upper Penn Shale formation, and has dedicated the W/2E/2 of Section 34, the W/2E/2 of Section 3, and the NW/4NE/4 of Section 10 to the wells. The wells have first take points in the NW/4NE/4 of Section 34 and last take points in the NW/4NE/4 of Section 10.

3. Applicant has in good faith sought to obtain the voluntary joinder of all other mineral interest owners in the W/2E/2 of Section 34, the W/2E/2 of Section 3, and the NW/4NE/4 of Section 10 for the purposes set forth herein.

4. Although applicant attempted to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the wells or to otherwise commit their interests to the wells, certain mineral interest owners have failed or refused to join in dedicating their interests. Therefore, applicant seeks an order pooling all uncommitted mineral interest owners in

EXHIBIT 1

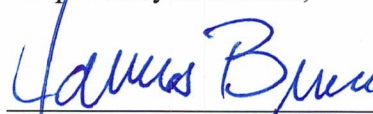
the Upper Penn Shale formation underlying the W/2E/2 of Section 34, the W/2E/2 of Section 3, and the NW/4NE/4 of Section 10 pursuant to NMSA 1978 §70-2-17.

5. The pooling of all uncommitted mineral interest owners in the Upper Penn Shale formation underlying the W/2E/2 of Section 34, the W/2E/2 of Section 3, and the NW/4NE/4 of Section 10 will prevent the drilling of unnecessary wells, prevent waste, and protect correlative rights.

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

- A. Pooling all mineral interest owners in the Upper Penn Shale formation underlying the W/2E/2 of Section 34, the W/2E/2 of Section 3, and the NW/4NE/4 of Section 10;
- B. Designating applicant as operator of the wells;
- C. Considering the cost of drilling, completing, testing, and equipping the wells, and allocating the cost among the well's working interest owners;
- D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and
- E. Setting a 200% charge for the risk involved in drilling, completing, testing, and equipping the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,



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James Bruce  
Post Office Box 1056  
Santa Fe, New Mexico 87504  
(505) 982-2043

Attorney for Texas Standard Operating NM  
LLC

***Application of Texas Standard Operating NM LLC for compulsory pooling, Lea County, New Mexico.*** Texas Standard Operating NM LLC seeks an order pooling all uncommitted mineral interest owners in the Upper Penn Shale formation underlying a horizontal spacing unit comprised of (i) the W/2E/2 of Section 34, Township 16 South, Range 36 East, N.M.P.M., and (ii) the W/2E/2 of Section 3 and the NW/4NE/4 of Section 10, Township 17 South, Range 36 East, N.M.P.M. The unit will be dedicated to the Bulldog State Well Nos. 1H and 2H, which have first take points in the NW/4NE/4 of Section 34 and last take points in the NW/4NE/4 of Section 10. Also to be considered will be the cost of drilling, completing, and equipping the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a 200% charge for the risk involved in drilling, completing, and equipping the wells. The unit is located approximately 5 miles south of Lovington, New Mexico.

**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 TEXAS STANDARD  
OPERATING NM LLC FOR COMPULSORY  
POOLING, LEA COUNTY, NEW MEXICO.**

**Case No. 23361**

**SELF-AFFIRMED STATEMENT OF MATT ROBERSON**

Matt Roberson deposes and states:

1. I am a landman for Texas Standard Operating NM LLC (“Texas Standard”), and have personal knowledge of the matters stated herein. I have previously testified before the Division.
2. Pursuant to Division Rules, the following information is submitted in support of the compulsory pooling application filed herein.
3. The purpose of this application is to force pool a working interest owner into the horizontal spacing unit described below, and in a well or wells to be drilled in the unit.
4. No opposition is expected because the interest owner being pooled has been contacted regarding the proposed well, but has failed to voluntarily commit its interest to the well at this time.
5. A plat showing the tracts involved, and the working interest owners and their percentage interests, is submitted as Attachment A. Texas Standard Operating NM LLC seeks an order pooling all uncommitted mineral interest owners in the Upper Penn Shale formation underlying a horizontal spacing unit comprised of (i) the W/2E/2 of Section 34, Township 16 South, Range 36 East, N.M.P.M., and (ii) the W/2E/2 of Section 3 and the NW/4NE/4 of Section 10, Township 17 South, Range 36 East, N.M.P.M. The unit will be dedicated to the Bulldog State Well Nos. 1H and 2H, which have first take points in the NW/4NE/4 of Section 34 and last take points in the NW/4NE/4 of Section 10. Forms C-102 for the wells are also submitted as part of Attachment A.

There is no depth severance in the Upper Penn formation.

EXHIBIT

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6. The parties being pooled are XTO Holdings, LLC, MorningStar Operating LLC and Occidental Permian, Ltd. Attachment B is a summary of communications, and contains copies of the proposal letters sent to the uncommitted working interest owners.

7 All interest owners are locatable. Texas Standard has made a good faith effort to locate and obtain the voluntary joinder of the working interest owners in the proposed well.

8. Texas Standard has the right to pool the overriding royalty owners in the well unit.

9. Attachment <sup>c</sup> D contains an Authorization for Expenditure for each proposed wells. The estimated cost of the well set forth therein is fair and reasonable, and comparable to the costs of other wells of similar depth and length drilled in this area of Lea County.

10. Texas Standard 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. Texas Standard requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.

11. Texas Standard requests that the maximum cost plus 200% risk charge be assessed against a non-consenting working interest owner.

12. Texas Standard requests that it be designated operator of the well.

13. The attachments to this affidavit were prepared by me, or compiled from company business records.

14. The granting of this application is in the interests of conservation and the prevention of waste.

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 14 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.

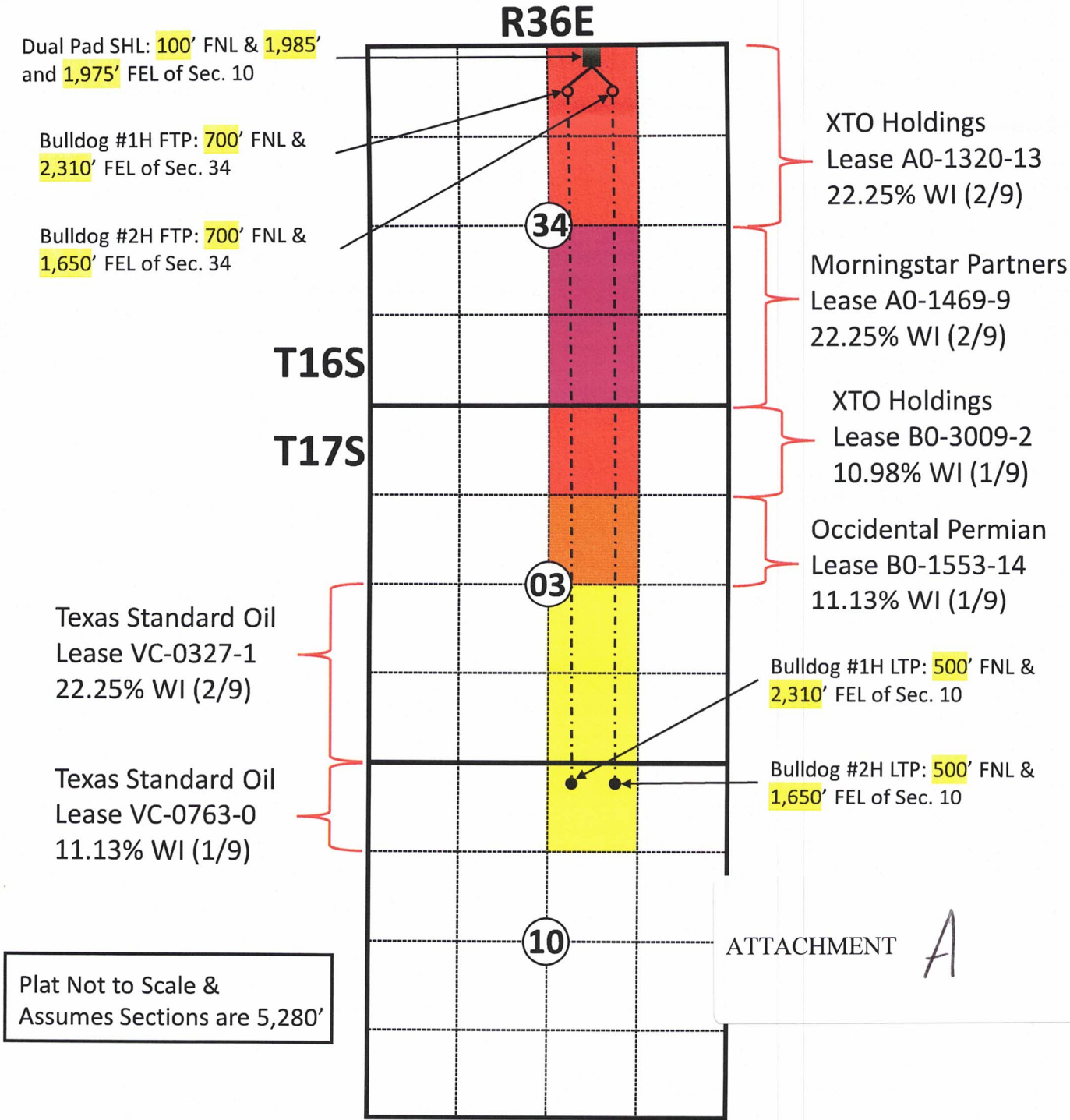
Date: 2/17/2023



Matt Roberson

# Bulldog State #1H & 2H Plat w Single Pad

Texas Standard Operating NM LLC Proposes ~2 Mile Lateral Drilling Locations in T17S-R36E and T16S-R36E, Sections 10, 3 and 34 Targeting the Upper Penn Shale Formation



## Allocation of Proposed Proration Unit

Owner:	ExxonMobil	Penroc/SW Royalties	OXY	Texas Standard Oil	Totals
Est. Acre Allocation	119.47	80	40	120	359.47
Proration Unit WI %	33.24%	22.25%	11.13%	33.38%	100%

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

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number	<sup>2</sup> Pool Code 98333	<sup>3</sup> Pool Name WC-025G09 5173610P-Upper Penn
<sup>4</sup> Property Code	<sup>5</sup> Property Name BULLDOG STATE	<sup>6</sup> Well Number 1H
<sup>7</sup> OGRID NO.	<sup>8</sup> Operator Name TEXAS STANDARD OPERATING NM LLC	<sup>9</sup> Elevation 3877'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
B	34	16S			100	NORTH	1985	EAST	LEA

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

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	10	17S	36E		500	NORTH	2310	EAST	LEA

<sup>12</sup> Dedicated Acres 359.47	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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.

**GEODETIC DATA**  
NAD 83 GRID - NM EAST

**SURFACE LOCATION (SL)**  
N: 687338.6 - E: 846206.0  
LAT: 32.8855691° N  
LONG: 103.3402053° W

**LAST TAKE POINT (LTP)**  
500' FNL-2310' FFL (SEC.10)  
N: 676384.2 - E: 845966.7  
LAT: 32.8554702° N  
LONG: 103.3413200° W

**FIRST TAKE POINT (FTP)**  
700' FSL-2310' FFL (SEC.34)  
N: 686736.1 - E: 845884.6  
LAT: 32.8839217° N  
LONG: 103.3412706° W

**BOTTOM HOLE (BH)**  
N: 676384.2 - E: 845966.7  
LAT: 32.8554702° N  
LONG: 103.3413200° W

**CORNER DATA**  
NAD 83 GRID - NM EAST

A: FOUND NAIL & WASHER "ILLEGIBLE" N: 671545.6 - E: 843025.1	G: FOUND 1/2" REBAR N: 679546.0 - E: 848254.6
B: FOUND NAIL N: 676847.9 - E: 842973.0	H: FOUND 1/2" REBAR N: 676912.1 - E: 848271.6
C: FOUND 1/2" REBAR N: 682125.8 - E: 842948.9	I: CALCULATED CORNER N: 671606.9 - E: 848320.2
D: CALCULATED CORNER N: 687412.3 - E: 842905.1	J: FOUND 7"x3"x6" LIMESTONE ROCK N: 671588.8 - E: 845672.6
E: FOUND 1/2" REBAR N: 687454.4 - E: 848190.0	K: FOUND 1/2" REBAR N: 682148.1 - E: 845597.7
F: FOUND 3/8" REBAR N: 682167.4 - E: 848221.2	

**CALCULATED POINTS**

1: N: 687443.9 - E: 846868.8
2: N: 682157.8 - E: 846909.5
3: N: 676896.0 - E: 846946.9
4: N: 675569.9 - E: 846959.3
5: N: 675554.1 - E: 845634.9
6: N: 676880.0 - E: 845622.3
7: N: 687433.4 - E: 845547.6

**17 OPERATOR CERTIFICATION**  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this 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 order heretofore entered by the division.

*Timothy M. Roberson*, President 2-23-23  
Signature Date  
Timothy M. Roberson  
Printed Name  
tim@txsoil.com  
E-mail Address

**18 SURVEYOR CERTIFICATION**  
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

01/28/2023  
Date of Survey  
*DALE E. BELL*  
Signature and Seal of Professional Surveyor  
14400  
Certificate Number  
02/23/2023  
14400  
REV: NAME CHANGE - 2/23/23



District I  
1625 N. French Dr., Hobbs, NM 88240  
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Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
		98333		NL-025 607 513610A; Upper Poun	
4 Property Code		5 Property Name			6 Well Number
		BULLDOG STATE			2H
7 OGRID NO.		8 Operator Name			9 Elevation
		TEXAS STANDARD OPERATING NM LLC			3877'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
B	34	16S	36E		100	NORTH	1975	EAST	LEA

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12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
359.47			

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700' FSL-1650' FEL (SEC.34)  
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*Timothy M. Roberson*, President 2-23-2023  
Signature Date

Timothy M. Roberson  
Printed Name

tim@txsoil.com  
E-mail Address

**18 SURVEYOR CERTIFICATION**  
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

01/28/2023  
Date of Survey

Signature and Seal of Professional Surveyor

**14400**  
Certificate Number

REV: NAME CHANGE - 2/23/23

# TEXAS STANDARD OIL

LLC



February 22, 2023

ATTACHMENT

B

Contact Log for Bulldog Wells:

Date	Company	Contact	Notes
1/19/2023	ExxonMobil	Ewell Schirmer	Called Ewell to discuss existing project and used the time to talk about pending new project - Bulldog #1H & #2H wells
1/23/2023	Oxy	Michael Meir	Sent Proposal Package for Bulldog #1H & #2H wells via email
1/23/2023	ExxonMobil	Ewell Schirmer	Sent Proposal Package for Bulldog #1H & #2H wells via email
1/24/2023	Oxy	Hannah Eastwood	Received return email from Hannah. Included a clarification of interests and small questionnaire that they send to all potential non-op projects.
1/26/2023	Morningstar Partners	Law Armstrong	Called to propose wells - Sent Proposal Package for Bulldog #1H & #2H wells via email
1/30/2023	Morningstar Partners	Law Armstrong	Received call from Law to discuss minor details in project and ORRI offer in TA
2/8/2023	ExxonMobil	Ewell Schirmer	Discussed via email the ongoing Exxon AFE evaluation process. Should be finished soon
2/9/2023	Morningstar Partners	Law Armstrong	Missed call from Law
2/10/2023	Morningstar Partners	Law Armstrong	Called and discussed counter offer for term assignment.
2/11/2023	Morningstar Partners	Law Armstrong	Sent email to Law accepting counter offer for term assignment.

2/13/2023	Morningstar Partners	Law Armstrong	Called to follow up on emails - confirmed acceptance of counter-offer. Discussed forms
2/13/2023	ExxonMobil	Ewell Schirmer	Called to discuss terms of TA deal if not participating
2/15/2023	Oxy	Hannah Eastwood	Called to discuss status of Oxy election - she said they typically wait until they receive the official CP order to make their election. I asked her if we can bypass the usual method because of our lease extension status. She will check with her management. unlikely.
2/16/2023	ExxonMobil	Ewell Schirmer	Requested extension on AFE election until March 1 - granted
2/17/2023	Morningstar Partners	Law Armstrong	Called Law to request draft of TA that had been discussed in prior call
2/19/2023	Morningstar Partners	Law Armstrong	Received Morningstar draft of TA to review
2/20/2023	Morningstar Partners	Law Armstrong	Sent back a redline of Morningstar TA draft that has been internally reviewed by TXS
2/20/2023	Oxy	Hannah Eastwood	Called and left VM regarding a new term assignment offer for their consideration - did not hear back
2/21/2023	Morningstar Partners	Law Armstrong	Law sent email affirming changes made to TA draft - finalizing to send for signatures same day - sent final draft for execution same day
2/21/2023	Oxy	Hannah Eastwood	Called again to discuss new TA offer - no answer left email message
2/21/2023	Oxy	Hannah Eastwood	Received return call. Spoke about increased TA offer and ways to

			accelerate process of approvals
2/21/2023	ExxonMobil	Ewell Schirmer	Charley Sharman put in a call to Ewell, no answer
2/21/2023	Oxy	John Schneider; James Laning	Tim Roberson left a VM with contact at Oxy looking for the right manager to propose an accelerated TA deal with. John connected Tim with NM land manager James Laning

**TEXAS STANDARD Oil**  
LLC



January 21, 2023

Occidental Permian, Ltd.  
5 Greenway Plaza, Ste. 110  
Houston, Texas 77046  
Attn: Michael Meir

Re: Two (2) Well Proposal  
Bulldog State #1H & 2H Wells  
Lea County, New Mexico

Dear Mr. Meir,

Texas Standard Oil LLC ("Texas Standard") through its wholly owned subsidiary, Texas Standard Operating NM LLC, proposes to drill the captioned wells as follows:

Drill the captioned wells from Surface Locations being approximately 100' FNL & 1,985' and 1,975' FEL of Section 34, T16S-R36E to an approximate Bottom Hole Location being 500' FNL & 2,310' and 1,650' FEL of Section 10, T17S-R36E, Lea County, New Mexico (the "Wells"). All calls are estimated and subject to a definitive survey. Please see the attached well location plat.

The Wells will be drilled from the surface to a landing interval of approximately 11,800' TVD and drilled horizontally to a total measured depth of approximately 23,100' in the Upper Penn Shale (sometimes referred to as the "Wolfcamp C and D Shale").

Please find attached our Authority for Expenditures ("AFE") which provide an estimation of the total cost to drill and complete the Wells. Our AFEs consist of a detailed "long form" and a summarized "short form". Texas Standard proposes that the Wells will be subject to the terms and conditions of the Operating Agreement also attached for your review.

In the event that Occidental elects to participate in its ratable share of the cost of drilling and completing the proposed Wells, please sign (using the "short" form AFEs) and return both the attached AFEs and Operating Agreement. Texas Standard proposes to drill the Well subject to the terms and conditions of the attached modified 1989H AAPL form of Operating Agreement. This proposal is subject to the execution of the Operating Agreement by all parties owning leasehold involving these wells.

In the event that Occidental does not participate in the cost of drilling these wells, then alternatively, we propose that our companies enter into a term assignment covering the leases shown on the plat provided, with Occidental retaining a 3% overriding royalty interest, but delivering no less than 75% net revenue interest.

If you have any questions or would like to discuss this proposal, please contact me at 713-828-9306 or to email me at [Matt@TxsOil.com](mailto:Matt@TxsOil.com). Thank you in advance for your careful consideration of this proposal.

Sincerely,

*Matt Roberson*

Matt Roberson, RPL  
Landman

(432) 219-6710

One Petroleum Center, Building One, 3300 North A Street, Suite 105, Midland, Texas 79705

Fax (713) 655-1197

# TEXAS STANDARD Oil

LLC



January 23, 2023

ExxonMobil  
22777 Springwoods Village Pkwy  
Spring, TX 77389  
Attn: Mr. Ewell Schirmer

Re: Two (2) Well Proposal  
Bulldog State #1H & 2H Wells  
Lea County, New Mexico

Dear Mr. Schirmer,

Texas Standard Oil LLC ("Texas Standard") through its wholly owned subsidiary, Texas Standard Operating NM LLC, proposes to drill the captioned wells as follows:

Drill the captioned wells from Surface Locations being approximately 100' FNL & 1,985' and 1,975' FEL of Section 34, T16S-R36E to an approximate Bottom Hole Location being 500' FNL & 2,310' and 1,650' FEL of Section 10, T17S-R36E, Lea County, New Mexico (the "Wells"). All calls are estimated and subject to a definitive survey. Please see the attached well location plat.

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In the event that ExxonMobil does not participate in the cost of drilling these wells, then alternatively, we propose that our companies enter into a term assignment covering the leases shown on the plat provided, with ExxonMobil retaining a 3% overriding royalty interest, but delivering no less than 75% net revenue interest.

If you have any questions or would like to discuss this proposal, please contact me at 713-828-9306 or to email me at [Matt@TxsOil.com](mailto:Matt@TxsOil.com). Thank you in advance for your careful consideration of this proposal.

Sincerely,

*Matt Roberson*

Matt Roberson, RPL  
Landman

(432) 219-6710

Fax (713) 655-1197

One Petroleum Center, Building One, 3300 North A Street, Suite 105, Midland, Texas 79705

# TEXAS STANDARD OPERATING NM L

## AUTHORITY FOR EXPENDITURE

<b>WELL NAME:</b> Bulldog State Well No. 1H		<b>PROPOSED TD:</b> 11,800' TVD, 23,100' MD	
<b>Field</b> Upper Penn / Pool Code 98333		<b>PROJECT DESCRIPTION &amp; OBJECTIVE:</b>	
<b>LOCATION:</b> W2E2 Section 34, T16S-R36E & W2E2 Section 3, NW4NE4 Section 10, T17S-R36E.		10,360' Perforated interval, 200' stage length, 2,500 lbs/ft proppant, Pilot Hole, \$1.50/bbl Frac Water. With Pilot Hole.	
<b>COUNTY/PARISH, STATE:</b> Lea County, New Mexico		<b>Workover:</b>	<b>Original:</b> X
<b>DETAIL OF EXPENDITURES</b>		<b>ACCT CODE</b>	<b>DRY HOLE</b>
		<b>COMPLETION</b>	
<b>INTANGIBLES:</b>			
LOCATION		\$140,000	\$5,000
CONTRACT DRILLING		\$1,750,000	
COMPLETION RIG COST			\$20,000
WATER WELL/ DRILL WATER		\$80,000	\$975,000
FUEL & POWER 17 x 1000 x 3.50		\$367,000	\$17,000
BITS, MILLS, REAMERS & H.O.		\$185,000	\$10,000
MUD, COMPLETION FLUIDS & CHEMICALS		\$240,000	\$20,000
CEMENTING SERVICES		\$280,000	
OPEN HOLE LOGGING		\$237,000	
CASED HOLE LOGGING SERVICES			\$302,000
DRILL STEM TEST		\$0	\$0
COIL TUBING UNIT		\$0	\$250,000
FRAC STACK		\$0	\$100,000
WELL TEST/ FLOWBACK		\$0	\$65,000
STIMULATION 31 Stages, 150', 2500 lbs/ft		\$0	\$3,000,000
RENTAL EQUIPMENT & SERVICES		\$566,150	\$227,500
SPECIALIZED SERVICES		\$294,000	\$55,238
DIRECTIONAL DRILLING SERVICES		\$295,000	
FISHING TOOLS AND SERVICES			
TRANSPORTATION		\$182,500	\$45,000
SUPERVISION (MAN & EXPENSES)		\$170,000	\$105,000
DRILLING & COMPLETION OVERHEAD		\$7,000	\$3,000
INSURANCE		\$35,000	\$0
<b>TOTAL INTANGIBLES BEFORE CONTINGENCIES</b>		<b>\$4,828,650</b>	<b>\$5,199,738</b>
<b>CONTINGENCIES @ 5%</b>		<b>\$241,433</b>	<b>\$259,987</b>
<b>TOTAL INTANGIBLES</b>		<b>\$5,070,053</b>	<b>\$5,459,725</b>
<b>TANGIBLES:</b>			
CASING, TUBING, RODS		\$1,967,000	\$105,000
WELLHEAD & TREE		\$35,000	\$35,000
SUBSURFACE EQUIPMENT		\$50,000	\$60,000
SURFACE FACILITIES			\$407,500
<b>TOTAL TANGIBLES BEFORE CONTINGENCIES</b>		<b>\$2,052,000</b>	<b>\$607,500</b>
<b>CONTINGENCIES @ 5%</b>		<b>\$102,600</b>	<b>\$30,375</b>
<b>TOTAL TANGIBLES</b>		<b>\$2,154,600</b>	<b>\$637,875</b>
<b>TOTAL AFE</b>		<b>\$7,224,653</b>	<b>\$6,097,600</b>
<b>TOTAL AFE (rounded to nearest \$1,000)</b>		<b>\$7,225,000</b>	<b>\$6,098,000</b>

ATTACHMENT C

\*This AFE is an estimation of cost only. Participants are obligated to pay their share ALL COSTS incurred in finishing any operation in which they elected to participate

**LC**

<b>AFE NUMBER:</b>
2023-01
<b>PREPARED BY:</b>
Craig Young
<b>DATE:</b>
01/23/23
<b>REVISED:</b>
Supplemental:
TOTAL
\$145,000
\$1,750,000
\$20,000
\$1,055,000
\$384,000
\$195,000
\$260,000
\$280,000
\$237,000
\$302,000
\$250,000
\$100,000
\$65,000
\$3,000,000
\$793,650
\$349,238
\$295,000
\$227,500
\$275,000
\$10,000
\$35,000
\$10,028,388
\$501,419
\$10,529,777
\$2,072,000
\$70,000
\$110,000
\$407,500
\$2,659,500
\$132,975
\$2,792,475
\$13,322,252
<b>\$ 13,322,000</b>

of



Texas Standard Operating NM LLC

\_\_\_\_\_  
Timothy M. Roberson, President

**Non-Operator Approval:**

Company:

By:

Printed Name:

Title & Date:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# TEXAS STANDARD OPERATING NML

## AUTHORITY FOR EXPENDITURE

<b>WELL NAME:</b> Bulldog State Well No. 2H	<b>PROPOSED TD:</b> 11,800' TVD, 23,100' MD		
<b>Field</b> Upper Penn / Pool Code 98333	<b>PROJECT DESCRIPTION &amp; OBJECTIVE:</b>		
<b>LOCATION:</b> W2E2 Section 34, T16S-R36E & W2E2 Section 3, NW4NE4 Section 10, T17S-R36E.	10,360' Perforated interval, 200' stage length, 2,500 lbs/ft proppant, No Pilot Hole, \$1.50/bbl Frac Water		
<b>COUNTY/PARISH, STATE:</b> Lea County, New Mexico		Workover:	Original: X
<b>DETAIL OF EXPENDITURES</b>	<b>ACCT CODE</b>	<b>DRY HOLE</b>	<b>COMPLETION</b>

**INTANGIBLES:**

LOCATION	\$140,000	\$5,000
CONTRACT DRILLING	\$1,410,000	
COMPLETION RIG COST		\$20,000
WATER WELL/ DRILL WATER	\$77,400	\$975,000
FUEL & POWER 17 x 1000 x 3.50	\$295,000	\$17,000
BITS, MILLS, REAMERS & H.O.	\$165,000	\$10,000
MUD, COMPLETION FLUIDS & CHEMICALS	\$230,000	\$20,000
CEMENTING SERVICES	\$220,000	
OPEN HOLE LOGGING	\$50,000	
CASED HOLE LOGGING SERVICES		\$302,000
DRILL STEM TEST	\$0	\$0
COIL TUBING UNIT	\$0	\$250,000
FRAC STACK	\$0	\$100,000
WELL TEST/ FLOWBACK	\$0	\$65,000
STIMULATION 31 Stages, 150', 2500 lbs/ft	\$0	\$3,000,000
RENTAL EQUIPMENT & SERVICES	\$520,650	\$227,500
SPECIALIZED SERVICES	\$284,000	\$60,238
DIRECTIONAL DRILLING SERVICES	\$280,000	
FISHING TOOLS AND SERVICES		
TRANSPORTATION	\$182,500	\$45,000
SUPERVISION (MAN & EXPENSES)	\$145,000	\$105,000
DRILLING & COMPLETION OVERHEAD	\$7,000	\$3,000
INSURANCE	\$35,000	\$0

**TOTAL INTANGIBLES BEFORE CONTINGENCIES**

	\$4,041,550	\$5,204,738
--	-------------	-------------

**CONTINGENCIES @ 5%**

	\$202,078	\$260,237
--	-----------	-----------

**TOTAL INTANGIBLES**

	\$4,243,598	\$5,464,975
--	-------------	-------------

**TANGIBLES:**

CASING, TUBING, RODS	\$1,967,000	\$105,000
WELLHEAD & TREE	\$35,000	\$35,000
SUBSURFACE EQUIPMENT	\$50,000	\$60,000
SURFACE FACILITIES		\$407,500
<b>TOTAL TANGIBLES BEFORE CONTINGENCIES</b>	<b>\$2,052,000</b>	<b>\$607,500</b>

**CONTINGENCIES @ 5%**

	\$102,600	\$30,375
--	-----------	----------

**TOTAL TANGIBLES**

	\$2,154,600	\$637,875
--	-------------	-----------

**TOTAL AFE**

	\$6,398,198	\$6,102,850
--	-------------	-------------

**TOTAL AFE (rounded to nearest \$1,000)**

	<b>\$6,398,000</b>	<b>\$6,103,000</b>
--	--------------------	--------------------

\*This AFE is an estimation of cost only. Participants are obligated to pay their share ALL COSTS incurred in finishing any operation in which they elected to participate

**LC**

<b>AFE NUMBER:</b> 2023-02
<b>PREPARED BY:</b> Craig Young
<b>DATE:</b> 01/23/23
<b>REVISED:</b>

Supplemental:
<b>TOTAL</b>

\$145,000
\$1,410,000
\$20,000
\$1,052,400
\$312,000
\$175,000
\$250,000
\$220,000
\$50,000
\$302,000
\$250,000
\$100,000
\$65,000
\$3,000,000
\$748,150
\$344,238
\$280,000
\$227,500
\$250,000
\$10,000
\$35,000
\$9,246,288
\$462,314
\$9,708,572
\$2,072,000
\$70,000
\$110,000
\$407,500
\$2,659,500
\$132,975
\$2,792,475
\$12,501,047
<b>\$ 12,501,000</b>

of

Texas Standard Operating NM LLC

\_\_\_\_\_  
Timothy M. Roberson, President

**Non-Operator Approval:**

Company:

\_\_\_\_\_

By:

\_\_\_\_\_

Printed Name:

\_\_\_\_\_

Title & Date:

\_\_\_\_\_

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

**APPLICATION OF TEXAS STANDARD  
OPERATING NM LLC FOR COMPULSORY  
POOLING, LEA COUNTY, NEW MEXICO.**

**Case No. 23361**

**SELF-AFFIRMED STATEMENT OF DAVID ENTZMINGER**

David Entzminger deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein. I have previously testified before the Division.
2. I am a geologist for Texas Standard Oil Company ("Texas Standard"), and I am familiar with the geological matters involved in these cases.
3. The following geological plats are attached hereto:
  - (a) Attachment A is a base map for the proposed Bulldog wells. It shows the proposed well unit, and the well units and names for producing Upper Penn wells in the area.
  - (b) Attachment B is a structure map on the top of the Strawn formation. It shows that the structure is relatively flat across the proposed well unit. It also shows Upper Penn wells in the area, and a line of cross-section.
  - (c) Attachment C is a stratigraphic cross section showing the Penn Shale, the target zones for the proposed well. The well logs on the cross-section give a representative sample of the Penn Shale in this area. The Penn Shale is continuous and uniformly thick across the well unit.
4. I conclude from the maps that:
  - (a) The horizontal spacing unit is justified from a geologic standpoint.
  - (b) The target zone is continuous and of relatively uniform thickness across the well unit.
  - (c) Each quarter-quarter section in the well unit will contribute more or less equally to production.

EXHIBIT

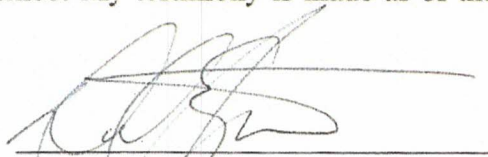
3

(d) There is faulting to the south of the well unit, so the wells will have last take points 500 feet from the north line of Section 10. There are no other geologic impediments in the area which will affect the drilling of the subject well.

5. Attachment D contains Directional Drilling Plans for the proposed wells. The producing interval of the well will be at orthodox locations.

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: 2/21/2022

  
\_\_\_\_\_  
David Entzminger

# Texas Standard LLC NIM OCD Case 23361 Exhibit B-1a

## Base Map

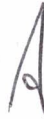
Only wells > 11,000' MD  
By David J. Entzminger  
February 20, 2023

The surface location of the **Bulldog** #1H is in T16SR36E Sec. 34, 100' FNL & 1,985' FEL. The landing point is 500' FNL & 2,310' FEL of Section 10. The end of lateral is 500' FNL & 2,310' FEL of T17SR36E Sec. 10. The surface location of the **Bulldog** #2H is in T16SR36E Sec. 34, 100' FNL & 1,975' FEL. The landing point is 500' FNL & 1,975' FEL of Section 10. The end of lateral is 500' FNL & 1,650' FEL of T17SR36E Sec. 10. The proration unit (yellow) includes 360 acres being the W/2E/2 of Section 34, the W/2E/2 of Section 3 and NW/4NE/4 of Section 10. The Bulldog wells are north of the recent producers VSCU #154, VCSU #153H, VSCU #152, VSCU #223H and BSC #91H (green).

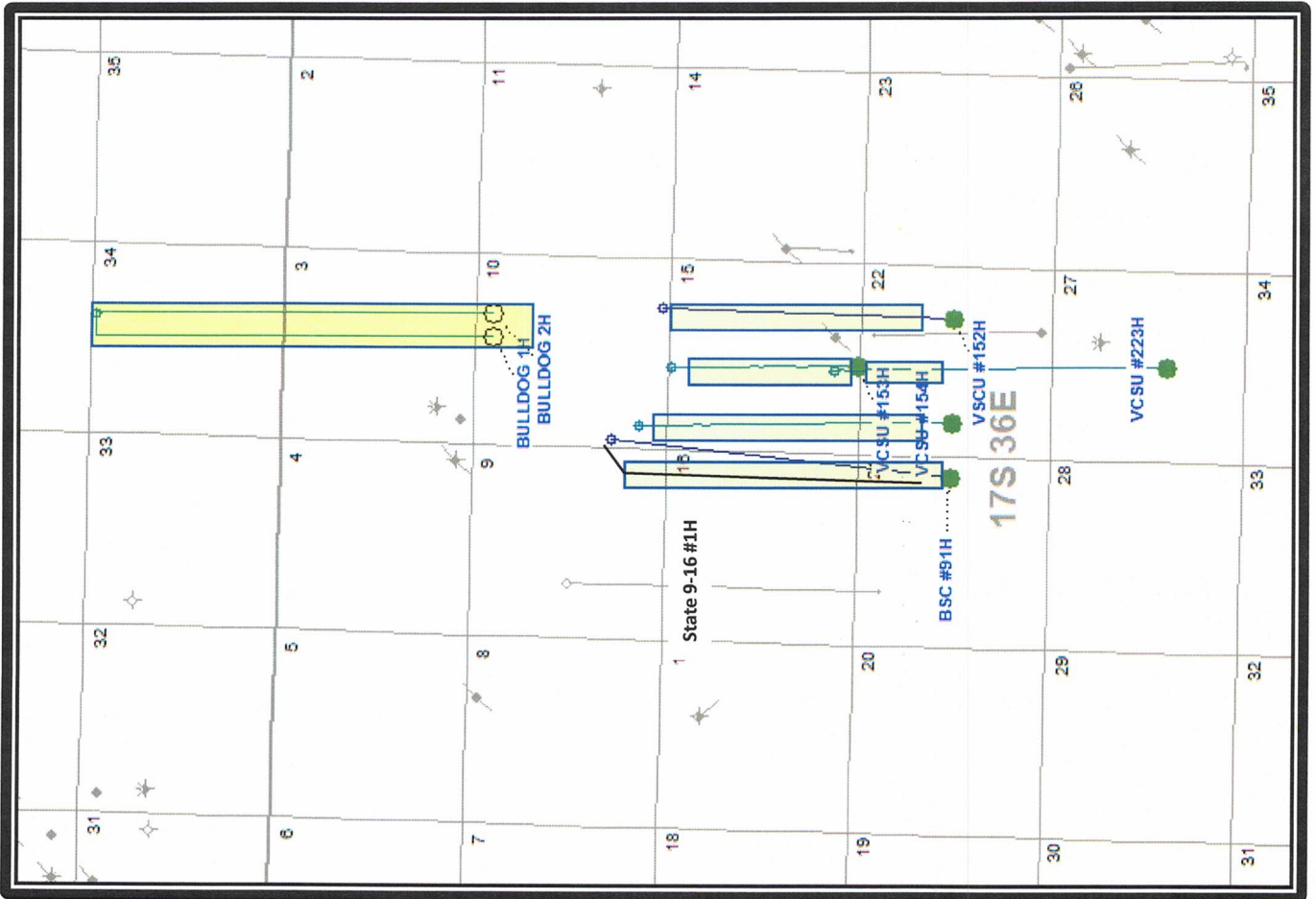
Note: well names are at BHL



ATTACHMENT



1 mi



**Texas Standard LLC**  
 NMOCD Case 23361  
 Exhibit B-2  
 Structure Map- Top Strawn  
 Only wells > 11,000' MD  
 By David J. Entzminger  
 February 20, 2023

The Bulldog #1H & #2H will be drilled from north to south.

**A - A' Well Cross Section**

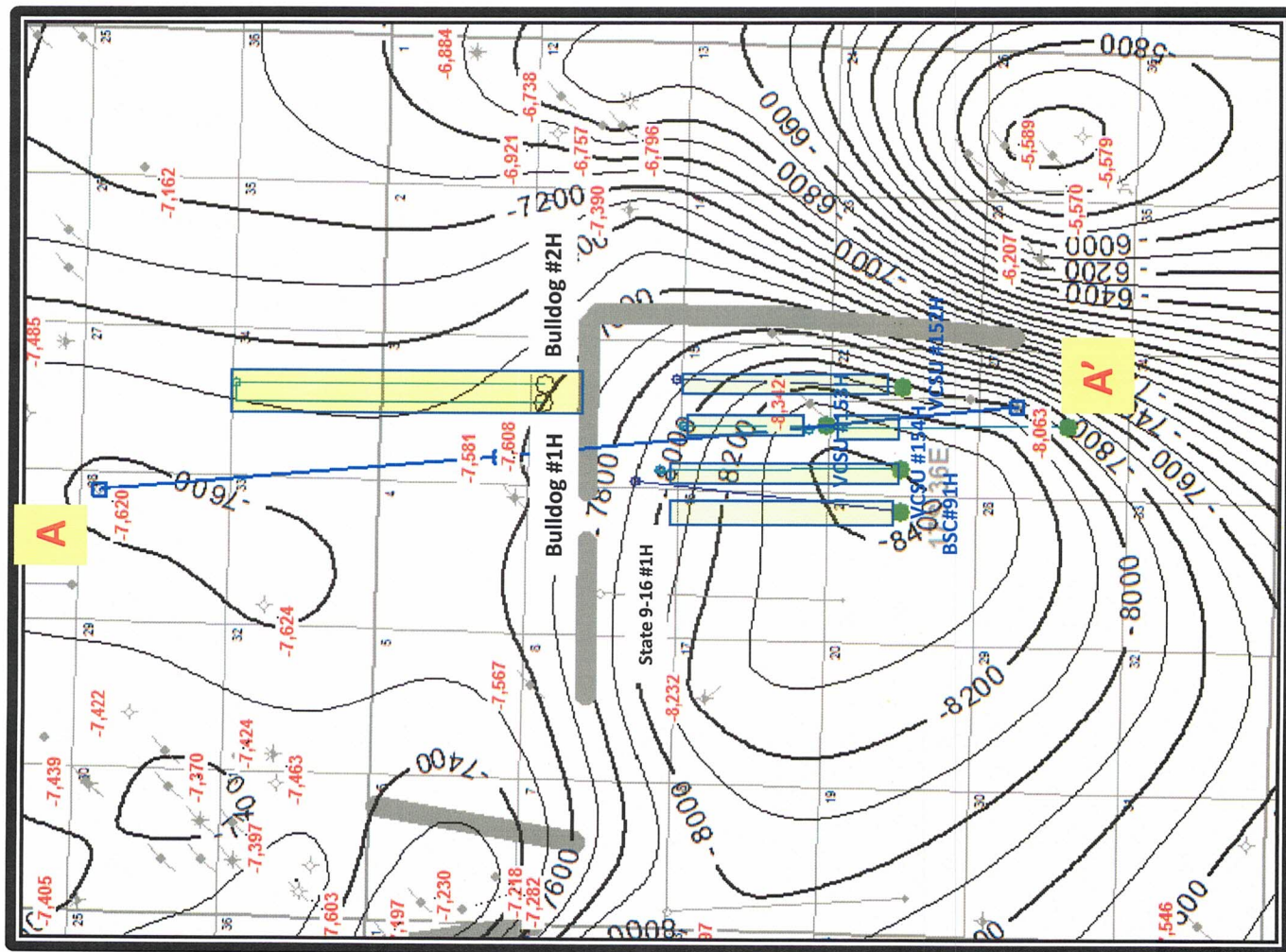
Note: Well names are at BHL  
 Stawn SS tops

Suspected Deep Faults

1 mi

CI- 100'

ATTACHMENT B





Texas Standard LLC  
NMOCD Case 23361  
Exhibit B-3  
Stratigraphic Cross Section

A - A'

By David J. Entzminger  
February 21, 2022

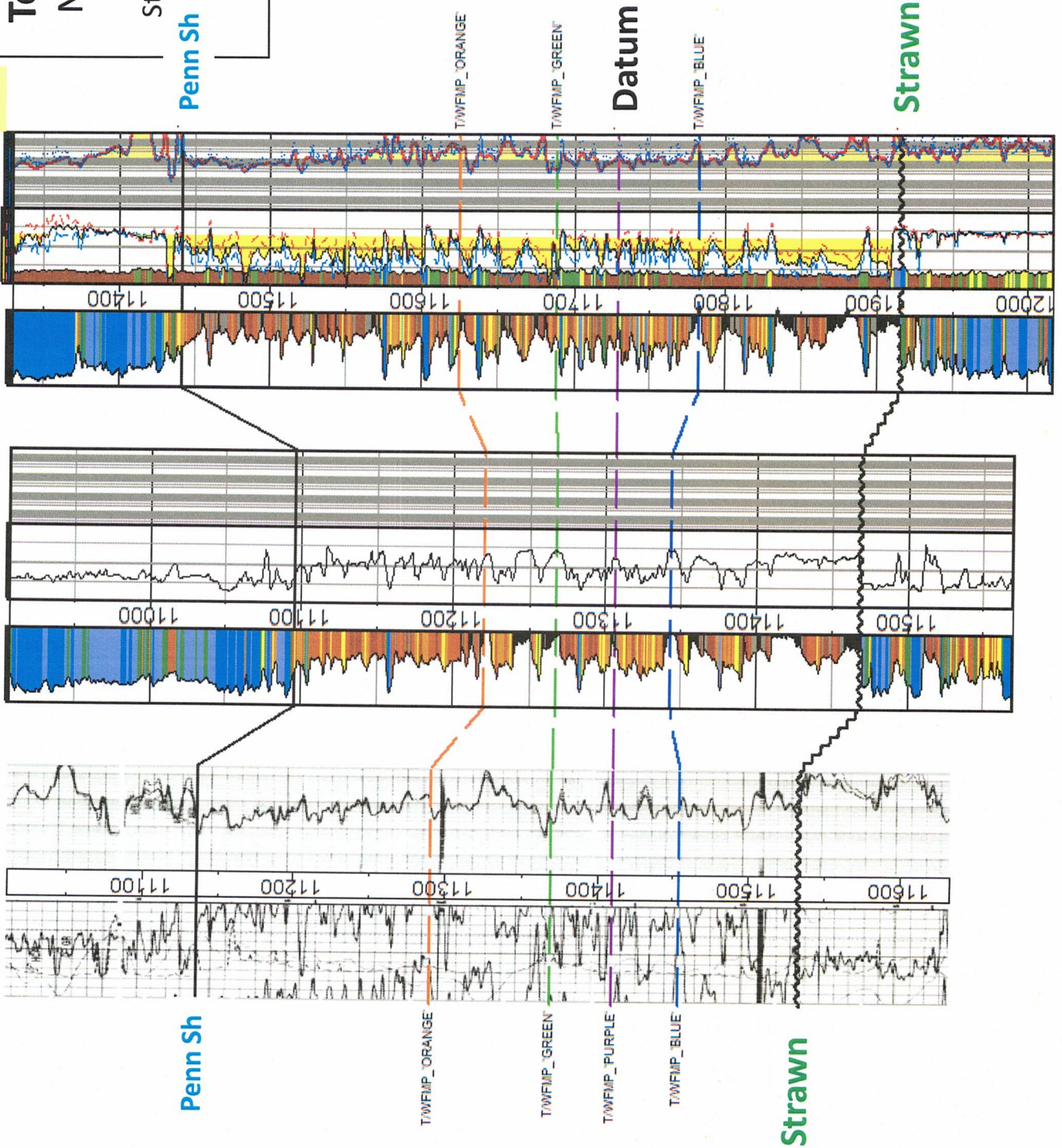
ATTACHMENT

A'

MARATHON V1687 STAT#1  
30026301100000

GRAY HACKLE PEACOCK#1 CITGO FEDERAL#1  
30025248690000

A





# Texas Standard Oil

Lea County, NM (NAD 83 - NME)

Bulldog

1H

OH

Plan: Plan 1 02-17-23

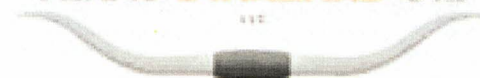
## Standard Survey Report

17 February, 2023

ATTACHMENT

D

TEXAS STANDARD OIL





<b>Company:</b>	Texas Standard Oil	<b>Local Co-ordinate Reference:</b>	Well 1H
<b>Project:</b>	Lea County, NM (NAD 83 - NME)	<b>TVD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Site:</b>	Bulldog	<b>MD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Well:</b>	1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan 1 02-17-23	<b>Database:</b>	USA Compass

<b>Project</b>	Lea County, NM (NAD 83 - NME)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

<b>Site</b>	Bulldog				
<b>Site Position:</b>		<b>Northing:</b>	687,338.60 usft	<b>Latitude:</b>	32° 53' 8.048578 N
<b>From:</b>	Map	<b>Easting:</b>	846,206.00 usft	<b>Longitude:</b>	103° 20' 24.739140 W
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	0.539 °

<b>Well</b>	1H					
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	687,338.60 usft	<b>Latitude:</b>	32° 53' 8.048578 N
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	846,206.00 usft	<b>Longitude:</b>	103° 20' 24.739140 W
<b>Position Uncertainty</b>		1.00 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	3,877.00 usft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	MVHD	2/17/23	6.259	60.554	47,626.59545829

<b>Design</b>	Plan 1 02-17-23			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	179.55

<b>Survey Tool Program</b>	<b>Date</b>	2/17/23		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	21,795.29	Plan 1 02-17-23 (OH)	MWD+HRGM	OWSG MWD + HRGM

<b>Planned Survey</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Vertical Section (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>KOP, Begin 2.00°/100' Build</b>										
5,100.00	2.00	261.80	5,099.98	-0.25	-1.73	0.24	2.00	2.00	0.00	
5,200.00	4.00	261.80	5,199.84	-1.00	-6.91	0.94	2.00	2.00	0.00	
5,249.83	5.00	261.80	5,249.51	-1.55	-10.78	1.47	2.00	2.00	0.00	
<b>Hold 5.00° Inc at 261.80° Azm</b>										
5,300.00	5.00	261.80	5,299.49	-2.18	-15.10	2.06	0.00	0.00	0.00	
5,400.00	5.00	261.80	5,399.11	-3.42	-23.72	3.23	0.00	0.00	0.00	
5,500.00	5.00	261.80	5,498.73	-4.66	-32.34	4.40	0.00	0.00	0.00	



<b>Company:</b>	Texas Standard Oil	<b>Local Co-ordinate Reference:</b>	Well 1H
<b>Project:</b>	Lea County, NM (NAD 83 - NME)	<b>TVD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Site:</b>	Bulldog	<b>MD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Well:</b>	1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan 1 02-17-23	<b>Database:</b>	USA Compass

**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)	
5,600.00	5.00	261.80	5,598.35	-5.90	-40.96	5.58	0.00	0.00	0.00	
5,700.00	5.00	261.80	5,697.97	-7.14	-49.58	6.75	0.00	0.00	0.00	
5,800.00	5.00	261.80	5,797.59	-8.38	-58.20	7.93	0.00	0.00	0.00	
5,900.00	5.00	261.80	5,897.21	-9.63	-66.82	9.10	0.00	0.00	0.00	
6,000.00	5.00	261.80	5,996.83	-10.87	-75.44	10.28	0.00	0.00	0.00	
6,100.00	5.00	261.80	6,096.45	-12.11	-84.07	11.45	0.00	0.00	0.00	
6,200.00	5.00	261.80	6,196.07	-13.35	-92.69	12.62	0.00	0.00	0.00	
6,300.00	5.00	261.80	6,295.69	-14.59	-101.31	13.80	0.00	0.00	0.00	
6,400.00	5.00	261.80	6,395.31	-15.84	-109.93	14.97	0.00	0.00	0.00	
6,500.00	5.00	261.80	6,494.93	-17.08	-118.55	16.15	0.00	0.00	0.00	
6,600.00	5.00	261.80	6,594.55	-18.32	-127.17	17.32	0.00	0.00	0.00	
6,700.00	5.00	261.80	6,694.17	-19.56	-135.79	18.49	0.00	0.00	0.00	
6,800.00	5.00	261.80	6,793.79	-20.80	-144.41	19.67	0.00	0.00	0.00	
6,900.00	5.00	261.80	6,893.41	-22.04	-153.03	20.84	0.00	0.00	0.00	
7,000.00	5.00	261.80	6,993.03	-23.29	-161.65	22.02	0.00	0.00	0.00	
7,100.00	5.00	261.80	7,092.65	-24.53	-170.27	23.19	0.00	0.00	0.00	
7,200.00	5.00	261.80	7,192.27	-25.77	-178.89	24.36	0.00	0.00	0.00	
7,300.00	5.00	261.80	7,291.89	-27.01	-187.51	25.54	0.00	0.00	0.00	
7,400.00	5.00	261.80	7,391.51	-28.25	-196.13	26.71	0.00	0.00	0.00	
7,500.00	5.00	261.80	7,491.13	-29.50	-204.75	27.89	0.00	0.00	0.00	
7,600.00	5.00	261.80	7,590.75	-30.74	-213.37	29.06	0.00	0.00	0.00	
7,700.00	5.00	261.80	7,690.37	-31.98	-222.00	30.23	0.00	0.00	0.00	
7,800.00	5.00	261.80	7,789.99	-33.22	-230.62	31.41	0.00	0.00	0.00	
7,900.00	5.00	261.80	7,889.61	-34.46	-239.24	32.58	0.00	0.00	0.00	
8,000.00	5.00	261.80	7,989.23	-35.70	-247.86	33.76	0.00	0.00	0.00	
8,100.00	5.00	261.80	8,088.85	-36.95	-256.48	34.93	0.00	0.00	0.00	
8,200.00	5.00	261.80	8,188.47	-38.19	-265.10	36.11	0.00	0.00	0.00	
8,300.00	5.00	261.80	8,288.09	-39.43	-273.72	37.28	0.00	0.00	0.00	
8,400.00	5.00	261.80	8,387.71	-40.67	-282.34	38.45	0.00	0.00	0.00	
8,500.00	5.00	261.80	8,487.33	-41.91	-290.96	39.63	0.00	0.00	0.00	
8,600.00	5.00	261.80	8,586.95	-43.16	-299.58	40.80	0.00	0.00	0.00	
8,700.00	5.00	261.80	8,686.57	-44.40	-308.20	41.98	0.00	0.00	0.00	
8,779.22	5.00	261.80	8,765.49	-45.38	-315.03	42.91	0.00	0.00	0.00	
<b>Begin 2.00°/100' Drop</b>										
8,800.00	4.58	261.80	8,786.20	-45.63	-316.75	43.14	2.00	-2.00	0.00	
8,900.00	2.58	261.80	8,886.00	-46.52	-322.93	43.98	2.00	-2.00	0.00	
9,000.00	0.58	261.80	8,985.96	-46.91	-325.66	44.35	2.00	-2.00	0.00	
9,029.05	0.00	0.00	9,015.00	-46.93	-325.81	44.37	2.00	-2.00	0.00	
<b>Begin Vertical Hold</b>										
10,555.68	0.00	0.00	10,541.64	-46.93	-325.81	44.37	0.00	0.00	0.00	
<b>KOP2, Begin 10.00°/100' Build</b>										
10,600.00	4.43	179.55	10,585.91	-48.65	-325.79	46.09	10.00	10.00	0.00	
10,700.00	14.43	179.55	10,684.43	-65.01	-325.66	62.45	10.00	10.00	0.00	
10,800.00	24.43	179.55	10,778.62	-98.24	-325.40	95.68	10.00	10.00	0.00	

# Phoenix Survey Report



<b>Company:</b>	Texas Standard Oil	<b>Local Co-ordinate Reference:</b>	Well 1H
<b>Project:</b>	Lea County, NM (NAD 83 - NME)	<b>TVD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Site:</b>	Bulldog	<b>MD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Well:</b>	1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan 1 02-17-23	<b>Database:</b>	USA Compass

**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)
10,900.00	34.43	179.55	10,865.60	-147.31	-325.01	144.76	10.00	10.00	0.00
11,000.00	44.43	179.55	10,942.74	-210.75	-324.51	208.19	10.00	10.00	0.00
11,100.00	54.43	179.55	11,007.69	-286.61	-323.91	284.06	10.00	10.00	0.00
11,200.00	64.43	179.55	11,058.49	-372.60	-323.22	370.05	10.00	10.00	0.00
11,300.00	74.43	179.55	11,093.57	-466.11	-322.48	463.56	10.00	10.00	0.00
11,400.00	84.43	179.55	11,111.89	-564.28	-321.70	561.74	10.00	10.00	0.00
11,438.30	88.26	179.55	11,114.33	-602.50	-321.40	599.96	10.00	10.00	0.00
<b>LP, Hold 88.26° Inc at 179.55° Azm</b>									
11,500.00	88.26	179.55	11,116.20	-664.17	-320.91	661.62	0.00	0.00	0.00
11,600.00	88.26	179.55	11,119.23	-764.12	-320.12	761.58	0.00	0.00	0.00
11,700.00	88.26	179.55	11,122.27	-864.07	-319.33	861.53	0.00	0.00	0.00
11,800.00	88.26	179.55	11,125.30	-964.02	-318.53	961.49	0.00	0.00	0.00
11,900.00	88.26	179.55	11,128.33	-1,063.97	-317.74	1,061.44	0.00	0.00	0.00
12,000.00	88.26	179.55	11,131.36	-1,163.92	-316.95	1,161.39	0.00	0.00	0.00
12,100.00	88.26	179.55	11,134.40	-1,263.87	-316.15	1,261.35	0.00	0.00	0.00
12,200.00	88.26	179.55	11,137.43	-1,363.82	-315.36	1,361.30	0.00	0.00	0.00
12,300.00	88.26	179.55	11,140.46	-1,463.77	-314.57	1,461.26	0.00	0.00	0.00
12,400.00	88.26	179.55	11,143.49	-1,563.72	-313.78	1,561.21	0.00	0.00	0.00
12,500.00	88.26	179.55	11,146.52	-1,663.67	-312.98	1,661.16	0.00	0.00	0.00
12,600.00	88.26	179.55	11,149.56	-1,763.63	-312.19	1,761.12	0.00	0.00	0.00
12,700.00	88.26	179.55	11,152.59	-1,863.58	-311.40	1,861.07	0.00	0.00	0.00
12,800.00	88.26	179.55	11,155.62	-1,963.53	-310.61	1,961.03	0.00	0.00	0.00
12,900.00	88.26	179.55	11,158.65	-2,063.48	-309.81	2,060.98	0.00	0.00	0.00
13,000.00	88.26	179.55	11,161.69	-2,163.43	-309.02	2,160.93	0.00	0.00	0.00
13,100.00	88.26	179.55	11,164.72	-2,263.38	-308.23	2,260.89	0.00	0.00	0.00
13,200.00	88.26	179.55	11,167.75	-2,363.33	-307.44	2,360.84	0.00	0.00	0.00
13,300.00	88.26	179.55	11,170.78	-2,463.28	-306.64	2,460.80	0.00	0.00	0.00
13,400.00	88.26	179.55	11,173.82	-2,563.23	-305.85	2,560.75	0.00	0.00	0.00
13,500.00	88.26	179.55	11,176.85	-2,663.18	-305.06	2,660.71	0.00	0.00	0.00
13,600.00	88.26	179.55	11,179.88	-2,763.13	-304.26	2,760.66	0.00	0.00	0.00
13,700.00	88.26	179.55	11,182.91	-2,863.08	-303.47	2,860.61	0.00	0.00	0.00
13,800.00	88.26	179.55	11,185.95	-2,963.04	-302.68	2,960.57	0.00	0.00	0.00
13,900.00	88.26	179.55	11,188.98	-3,062.99	-301.89	3,060.52	0.00	0.00	0.00
14,000.00	88.26	179.55	11,192.01	-3,162.94	-301.09	3,160.48	0.00	0.00	0.00
14,100.00	88.26	179.55	11,195.04	-3,262.89	-300.30	3,260.43	0.00	0.00	0.00
14,200.00	88.26	179.55	11,198.07	-3,362.84	-299.51	3,360.38	0.00	0.00	0.00
14,300.00	88.26	179.55	11,201.11	-3,462.79	-298.72	3,460.34	0.00	0.00	0.00
14,400.00	88.26	179.55	11,204.14	-3,562.74	-297.92	3,560.29	0.00	0.00	0.00
14,500.00	88.26	179.55	11,207.17	-3,662.69	-297.13	3,660.25	0.00	0.00	0.00
14,600.00	88.26	179.55	11,210.20	-3,762.64	-296.34	3,760.20	0.00	0.00	0.00
14,700.00	88.26	179.55	11,213.24	-3,862.59	-295.54	3,860.15	0.00	0.00	0.00
14,800.00	88.26	179.55	11,216.27	-3,962.54	-294.75	3,960.11	0.00	0.00	0.00
14,900.00	88.26	179.55	11,219.30	-4,062.50	-293.96	4,060.06	0.00	0.00	0.00

# Phoenix Survey Report



<b>Company:</b>	Texas Standard Oil	<b>Local Co-ordinate Reference:</b>	Well 1H
<b>Project:</b>	Lea County, NM (NAD 83 - NME)	<b>TVD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Site:</b>	Bulldog	<b>MD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Well:</b>	1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan 1 02-17-23	<b>Database:</b>	USA Compass

**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)
15,000.00	88.26	179.55	11,222.33	-4,162.45	-293.17	4,160.02	0.00	0.00	0.00
15,100.00	88.26	179.55	11,225.37	-4,262.40	-292.37	4,259.97	0.00	0.00	0.00
15,200.00	88.26	179.55	11,228.40	-4,362.35	-291.58	4,359.92	0.00	0.00	0.00
15,300.00	88.26	179.55	11,231.43	-4,462.30	-290.79	4,459.88	0.00	0.00	0.00
15,400.00	88.26	179.55	11,234.46	-4,562.25	-290.00	4,559.83	0.00	0.00	0.00
15,500.00	88.26	179.55	11,237.50	-4,662.20	-289.20	4,659.79	0.00	0.00	0.00
15,600.00	88.26	179.55	11,240.53	-4,762.15	-288.41	4,759.74	0.00	0.00	0.00
15,700.00	88.26	179.55	11,243.56	-4,862.10	-287.62	4,859.69	0.00	0.00	0.00
15,800.00	88.26	179.55	11,246.59	-4,962.05	-286.82	4,959.65	0.00	0.00	0.00
15,900.00	88.26	179.55	11,249.62	-5,062.00	-286.03	5,059.60	0.00	0.00	0.00
16,000.00	88.26	179.55	11,252.66	-5,161.95	-285.24	5,159.56	0.00	0.00	0.00
16,100.00	88.26	179.55	11,255.69	-5,261.91	-284.45	5,259.51	0.00	0.00	0.00
16,200.00	88.26	179.55	11,258.72	-5,361.86	-283.65	5,359.46	0.00	0.00	0.00
16,300.00	88.26	179.55	11,261.75	-5,461.81	-282.86	5,459.42	0.00	0.00	0.00
16,400.00	88.26	179.55	11,264.79	-5,561.76	-282.07	5,559.37	0.00	0.00	0.00
16,500.00	88.26	179.55	11,267.82	-5,661.71	-281.28	5,659.33	0.00	0.00	0.00
16,600.00	88.26	179.55	11,270.85	-5,761.66	-280.48	5,759.28	0.00	0.00	0.00
16,700.00	88.26	179.55	11,273.88	-5,861.61	-279.69	5,859.23	0.00	0.00	0.00
16,800.00	88.26	179.55	11,276.92	-5,961.56	-278.90	5,959.19	0.00	0.00	0.00
16,900.00	88.26	179.55	11,279.95	-6,061.51	-278.11	6,059.14	0.00	0.00	0.00
17,000.00	88.26	179.55	11,282.98	-6,161.46	-277.31	6,159.10	0.00	0.00	0.00
17,100.00	88.26	179.55	11,286.01	-6,261.41	-276.52	6,259.05	0.00	0.00	0.00
17,200.00	88.26	179.55	11,289.04	-6,361.37	-275.73	6,359.00	0.00	0.00	0.00
17,300.00	88.26	179.55	11,292.08	-6,461.32	-274.93	6,458.96	0.00	0.00	0.00
17,400.00	88.26	179.55	11,295.11	-6,561.27	-274.14	6,558.91	0.00	0.00	0.00
17,500.00	88.26	179.55	11,298.14	-6,661.22	-273.35	6,658.87	0.00	0.00	0.00
17,600.00	88.26	179.55	11,301.17	-6,761.17	-272.56	6,758.82	0.00	0.00	0.00
17,700.00	88.26	179.55	11,304.21	-6,861.12	-271.76	6,858.77	0.00	0.00	0.00
17,800.00	88.26	179.55	11,307.24	-6,961.07	-270.97	6,958.73	0.00	0.00	0.00
17,900.00	88.26	179.55	11,310.27	-7,061.02	-270.18	7,058.68	0.00	0.00	0.00
18,000.00	88.26	179.55	11,313.30	-7,160.97	-269.39	7,158.64	0.00	0.00	0.00
18,100.00	88.26	179.55	11,316.34	-7,260.92	-268.59	7,258.59	0.00	0.00	0.00
18,200.00	88.26	179.55	11,319.37	-7,360.87	-267.80	7,358.54	0.00	0.00	0.00
18,300.00	88.26	179.55	11,322.40	-7,460.82	-267.01	7,458.50	0.00	0.00	0.00
18,400.00	88.26	179.55	11,325.43	-7,560.78	-266.21	7,558.45	0.00	0.00	0.00
18,500.00	88.26	179.55	11,328.47	-7,660.73	-265.42	7,658.41	0.00	0.00	0.00
18,600.00	88.26	179.55	11,331.50	-7,760.68	-264.63	7,758.36	0.00	0.00	0.00
18,700.00	88.26	179.55	11,334.53	-7,860.63	-263.84	7,858.31	0.00	0.00	0.00
18,800.00	88.26	179.55	11,337.56	-7,960.58	-263.04	7,958.27	0.00	0.00	0.00
18,900.00	88.26	179.55	11,340.59	-8,060.53	-262.25	8,058.22	0.00	0.00	0.00
19,000.00	88.26	179.55	11,343.63	-8,160.48	-261.46	8,158.18	0.00	0.00	0.00
19,100.00	88.26	179.55	11,346.66	-8,260.43	-260.67	8,258.13	0.00	0.00	0.00
19,200.00	88.26	179.55	11,349.69	-8,360.38	-259.87	8,358.08	0.00	0.00	0.00
19,300.00	88.26	179.55	11,352.72	-8,460.33	-259.08	8,458.04	0.00	0.00	0.00



<b>Company:</b>	Texas Standard Oil	<b>Local Co-ordinate Reference:</b>	Well 1H
<b>Project:</b>	Lea County, NM (NAD 83 - NME)	<b>TVD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Site:</b>	Bulldog	<b>MD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Well:</b>	1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan 1 02-17-23	<b>Database:</b>	USA Compass

**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)
19,400.00	88.26	179.55	11,355.76	-8,560.28	-258.29	8,557.99	0.00	0.00	0.00
19,500.00	88.26	179.55	11,358.79	-8,660.24	-257.49	8,657.95	0.00	0.00	0.00
19,600.00	88.26	179.55	11,361.82	-8,760.19	-256.70	8,757.90	0.00	0.00	0.00
19,700.00	88.26	179.55	11,364.85	-8,860.14	-255.91	8,857.85	0.00	0.00	0.00
19,800.00	88.26	179.55	11,367.89	-8,960.09	-255.12	8,957.81	0.00	0.00	0.00
19,900.00	88.26	179.55	11,370.92	-9,060.04	-254.32	9,057.76	0.00	0.00	0.00
20,000.00	88.26	179.55	11,373.95	-9,159.99	-253.53	9,157.72	0.00	0.00	0.00
20,100.00	88.26	179.55	11,376.98	-9,259.94	-252.74	9,257.67	0.00	0.00	0.00
20,200.00	88.26	179.55	11,380.02	-9,359.89	-251.95	9,357.62	0.00	0.00	0.00
20,300.00	88.26	179.55	11,383.05	-9,459.84	-251.15	9,457.58	0.00	0.00	0.00
20,400.00	88.26	179.55	11,386.08	-9,559.79	-250.36	9,557.53	0.00	0.00	0.00
20,500.00	88.26	179.55	11,389.11	-9,659.74	-249.57	9,657.49	0.00	0.00	0.00
20,600.00	88.26	179.55	11,392.14	-9,759.70	-248.78	9,757.44	0.00	0.00	0.00
20,700.00	88.26	179.55	11,395.18	-9,859.65	-247.98	9,857.39	0.00	0.00	0.00
20,800.00	88.26	179.55	11,398.21	-9,959.60	-247.19	9,957.35	0.00	0.00	0.00
20,900.00	88.26	179.55	11,401.24	-10,059.55	-246.40	10,057.30	0.00	0.00	0.00
21,000.00	88.26	179.55	11,404.27	-10,159.50	-245.60	10,157.26	0.00	0.00	0.00
21,100.00	88.26	179.55	11,407.31	-10,259.45	-244.81	10,257.21	0.00	0.00	0.00
21,200.00	88.26	179.55	11,410.34	-10,359.40	-244.02	10,357.16	0.00	0.00	0.00
21,300.00	88.26	179.55	11,413.37	-10,459.35	-243.23	10,457.12	0.00	0.00	0.00
21,400.00	88.26	179.55	11,416.40	-10,559.30	-242.43	10,557.07	0.00	0.00	0.00
21,500.00	88.26	179.55	11,419.44	-10,659.25	-241.64	10,657.03	0.00	0.00	0.00
21,600.00	88.26	179.55	11,422.47	-10,759.20	-240.85	10,756.98	0.00	0.00	0.00
21,700.00	88.26	179.55	11,425.50	-10,859.15	-240.06	10,856.93	0.00	0.00	0.00
21,795.29	88.26	179.55	11,428.39	-10,954.40	-239.30	10,952.18	0.00	0.00	0.00
<b>TD at 21795.29</b>									

**Design Targets**

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP - Bulldog 1H - hit/miss target - Shape	0.00	0.00	11,114.33	-602.50	-321.40	686,736.10	845,884.60	32° 53' 2.117637 N	103° 20' 28.574203 W
- plan hits target center - Point									
LTP/BHL - Bulldog 1H - hit/miss target - Shape	0.00	0.01	11,428.39	-10,954.40	-239.30	676,384.20	845,966.70	32° 51' 19.692866 N	103° 20' 28.752246 W
- plan hits target center - Point									



<b>Company:</b>	Texas Standard Oil	<b>Local Co-ordinate Reference:</b>	Well 1H
<b>Project:</b>	Lea County, NM (NAD 83 - NME)	<b>TVD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Site:</b>	Bulldog	<b>MD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Well:</b>	1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan 1 02-17-23	<b>Database:</b>	USA Compass

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5000	5000	0	0	KOP, Begin 2.00°/100' Build
5250	5250	-2	-11	Hold 5.00° Inc at 261.80° Azm
8779	8765	-45	-315	Begin 2.00°/100' Drop
9029	9015	-47	-326	Begin Vertical Hold
10,556	10,542	-47	-326	KOP2, Begin 10.00°/100' Build
11,438	11,114	-602	-321	LP, Hold 88.26° Inc at 179.55° Azm
21,795	11,428	-10,954	-239	TD at 21795.29





# Texas Standard Oil

Lea County, NM (NAD 83 - NME)

Bulldog

2H

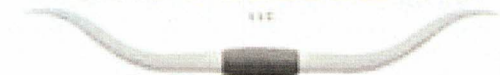
OH

Plan: Plan 1 02-17-23

## Standard Planning Report

17 February, 2023

TEXAS STANDARD OIL



WELL DETAILS			
N/S	E/W	Nothing	Ground Level
0.00	0.00	687336.70	3877.00
Longitude: 103° 20' 24.621872 W			
Latitude: 32° 53' 8.046537 N			

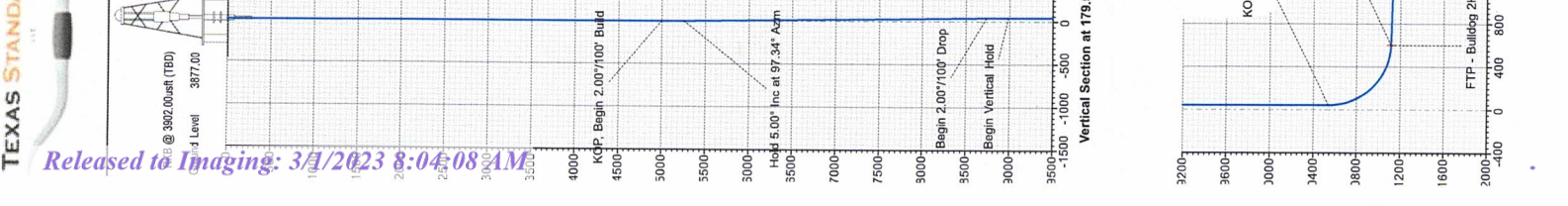
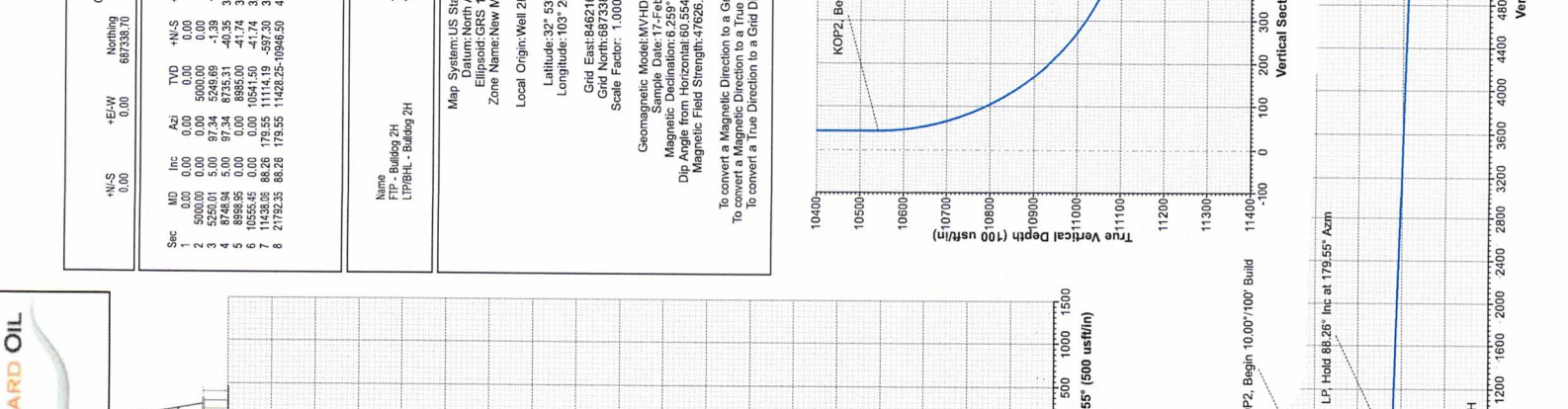
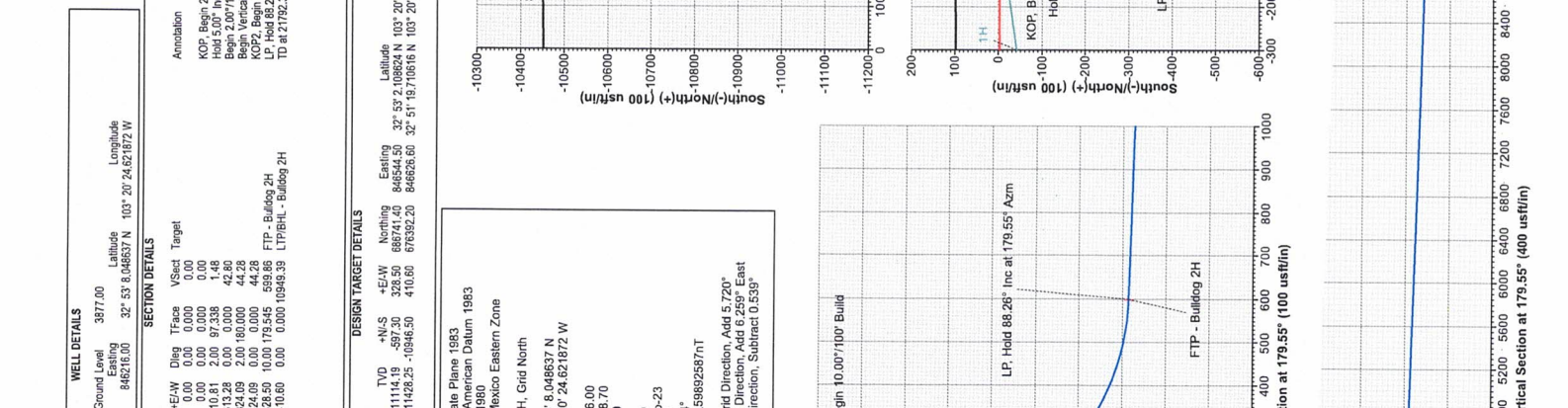
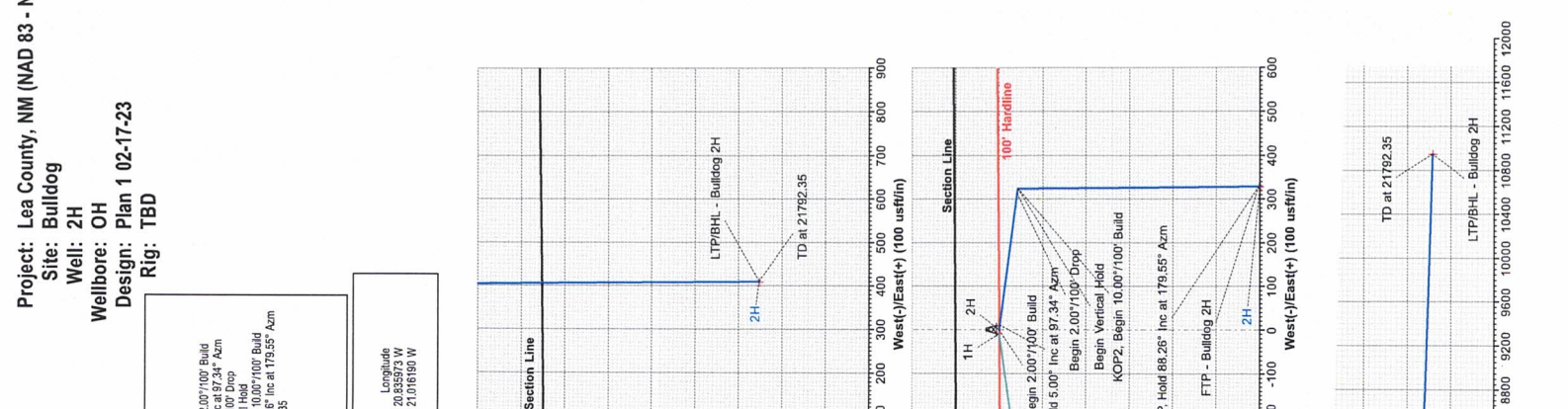
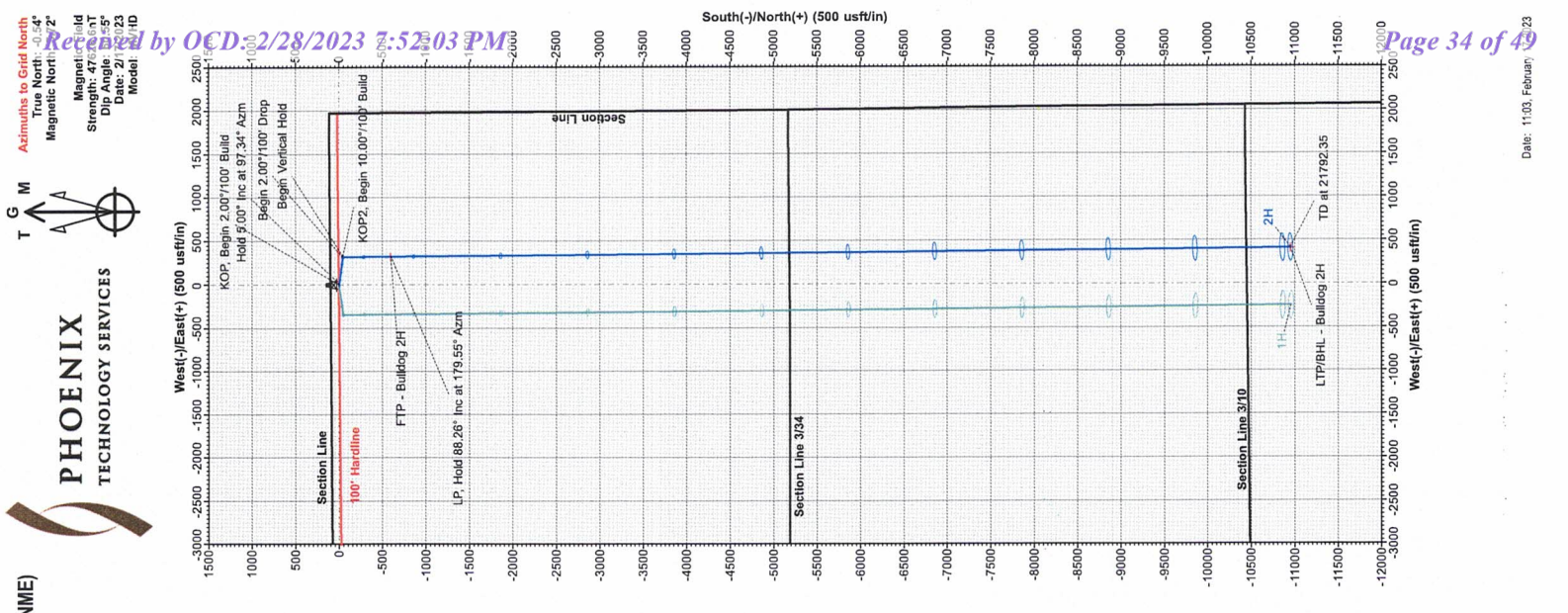
  

SECTION DETAILS										
Sec	MD	Inc	Asi	TVD	N/S	E/W	Dip	V/Sect	Target	Annotation
1	5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	0.00	KOP Begin 2.00°/100' Build
2	5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	0.00	Hold 5.00° Inc at 97.34° Azm
3	5250.01	5.00	87.34	5249.69	-1.39	10.81	2.00	97.338	1.48	Begin 2.00°/100' Drop
4	8748.94	5.00	87.34	8735.31	-40.35	313.28	0.00	0.000	42.80	Begin Vertical Hold
5	8995.35	0.00	0.00	8995.00	-41.74	324.09	2.00	180.000	44.28	KOP2, Begin 10.00°/100' Build
6	11438.06	88.26	179.55	11114.19	-587.74	324.09	0.00	0.000	44.28	LP, Hold 88.26° Inc at 179.55° Azm
7	11438.06	88.26	179.55	11114.19	-587.74	324.09	0.00	0.000	44.28	FTP, Bulldog 2H
8	21792.35	88.26	179.55	11428.25	-1046.50	410.80	0.00	0.000	10549.39	LTP/BHL - Bulldog 2H
										TD at 21792.35

DESIGN TARGET DETAILS			
Name	N/S	E/W	TVD
FTP - Bulldog 2H	1114.19	-397.30	325.50
LTP/BHL - Bulldog 2H	11428.25	-1046.50	410.80

Map System: US State Plane 1983			
Datum	Ellipsoid	Zone Name	Local Origin
North American Datum 1983	GRS 1980	North American Eastern Zone	Well 2H, Grid North
Latitude: 32° 53' 8.046537 N	Longitude: 103° 20' 24.621872 W	Grid East: 846216.00	Grid North: 687336.70
Scale Factor: 1.000	Geomagnetic Model: IAGP	Magnetic Declination: 6.259°	Sample Date: 7-7-64-23
Dip Angle from Horizontal: 60.554°	Magnetic Field Strength: 47626.59892587 nT	To convert a Magnetic Direction to a Grid Direction, Add 5.720°	
To convert a Magnetic Direction to a True Direction, Add 6.259° East			
To convert a True Direction to a Grid Direction, Subtract 0.539°			





<b>Database:</b>	USA Compass	<b>Local Co-ordinate Reference:</b>	Well 2H
<b>Company:</b>	Texas Standard Oil	<b>TVD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Project:</b>	Lea County, NM (NAD 83 - NME)	<b>MD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Site:</b>	Bulldog	<b>North Reference:</b>	Grid
<b>Well:</b>	2H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1 02-17-23		

<b>Project</b>	Lea County, NM (NAD 83 - NME)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

<b>Site</b>	Bulldog				
<b>Site Position:</b>		<b>Northing:</b>	687,338.60 usft	<b>Latitude:</b>	32° 53' 8.048578 N
<b>From:</b>	Map	<b>Easting:</b>	846,206.00 usft	<b>Longitude:</b>	103° 20' 24.739140 W
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	0.539 °

<b>Well</b>	2H					
<b>Well Position</b>	<b>+N/-S</b>	0.10 usft	<b>Northing:</b>	687,338.70 usft	<b>Latitude:</b>	32° 53' 8.048637 N
	<b>+E/-W</b>	10.00 usft	<b>Easting:</b>	846,216.00 usft	<b>Longitude:</b>	103° 20' 24.621872 W
<b>Position Uncertainty</b>		1.00 usft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	3,877.00 usft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	MVHD	2/17/23	6.259	60.554	47,626.59892587

<b>Design</b>	Plan 1 02-17-23			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	179.55

<b>Plan Survey Tool Program</b>	<b>Date</b>	2/17/23		
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	21,792.35 Plan 1 02-17-23 (OH)	MWD+HRGM	
			OWSG MWD + HRGM	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.000	
5,250.01	5.00	97.34	5,249.69	-1.39	10.81	2.00	2.00	0.00	97.338	
8,748.94	5.00	97.34	8,735.31	-40.35	313.28	0.00	0.00	0.00	0.000	
8,998.95	0.00	0.00	8,985.00	-41.74	324.09	2.00	-2.00	0.00	180.000	
10,555.45	0.00	0.00	10,541.50	-41.74	324.09	0.00	0.00	0.00	0.000	
11,438.06	88.26	179.55	11,114.19	-597.30	328.50	10.00	10.00	0.00	179.545	FTP - Bulldog 2H
21,792.35	88.26	179.55	11,428.25	-10,946.50	410.60	0.00	0.00	0.00	0.000	LTP/BHL - Bulldog :



<b>Database:</b>	USA Compass	<b>Local Co-ordinate Reference:</b>	Well 2H
<b>Company:</b>	Texas Standard Oil	<b>TVD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Project:</b>	Lea County, NM (NAD 83 - NME)	<b>MD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Site:</b>	Bulldog	<b>North Reference:</b>	Grid
<b>Well:</b>	2H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1 02-17-23		

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>KOP, Begin 2.00°/100' Build</b>									
5,100.00	2.00	97.34	5,099.98	-0.22	1.73	0.24	2.00	2.00	0.00
5,200.00	4.00	97.34	5,199.84	-0.89	6.92	0.95	2.00	2.00	0.00
5,250.01	5.00	97.34	5,249.69	-1.39	10.81	1.48	2.00	2.00	0.00
<b>Hold 5.00° Inc at 97.34° Azm</b>									
5,300.00	5.00	97.34	5,299.49	-1.95	15.13	2.07	0.00	0.00	0.00
5,400.00	5.00	97.34	5,399.11	-3.06	23.78	3.25	0.00	0.00	0.00
5,500.00	5.00	97.34	5,498.73	-4.18	32.42	4.43	0.00	0.00	0.00
5,600.00	5.00	97.34	5,598.35	-5.29	41.07	5.61	0.00	0.00	0.00
5,700.00	5.00	97.34	5,697.97	-6.40	49.71	6.79	0.00	0.00	0.00
5,800.00	5.00	97.34	5,797.59	-7.52	58.36	7.97	0.00	0.00	0.00
5,900.00	5.00	97.34	5,897.21	-8.63	67.00	9.15	0.00	0.00	0.00
6,000.00	5.00	97.34	5,996.83	-9.74	75.65	10.34	0.00	0.00	0.00
6,100.00	5.00	97.34	6,096.45	-10.86	84.29	11.52	0.00	0.00	0.00
6,200.00	5.00	97.34	6,196.07	-11.97	92.94	12.70	0.00	0.00	0.00
6,300.00	5.00	97.34	6,295.69	-13.08	101.58	13.88	0.00	0.00	0.00
6,400.00	5.00	97.34	6,395.31	-14.20	110.22	15.06	0.00	0.00	0.00
6,500.00	5.00	97.34	6,494.93	-15.31	118.87	16.24	0.00	0.00	0.00
6,600.00	5.00	97.34	6,594.55	-16.42	127.51	17.42	0.00	0.00	0.00
6,700.00	5.00	97.34	6,694.16	-17.54	136.16	18.60	0.00	0.00	0.00
6,800.00	5.00	97.34	6,793.78	-18.65	144.80	19.79	0.00	0.00	0.00
6,900.00	5.00	97.34	6,893.40	-19.76	153.45	20.97	0.00	0.00	0.00
7,000.00	5.00	97.34	6,993.02	-20.87	162.09	22.15	0.00	0.00	0.00
7,100.00	5.00	97.34	7,092.64	-21.99	170.74	23.33	0.00	0.00	0.00
7,200.00	5.00	97.34	7,192.26	-23.10	179.38	24.51	0.00	0.00	0.00
7,300.00	5.00	97.34	7,291.88	-24.21	188.03	25.69	0.00	0.00	0.00
7,400.00	5.00	97.34	7,391.50	-25.33	196.67	26.87	0.00	0.00	0.00
7,500.00	5.00	97.34	7,491.12	-26.44	205.31	28.05	0.00	0.00	0.00
7,600.00	5.00	97.34	7,590.74	-27.55	213.96	29.23	0.00	0.00	0.00
7,700.00	5.00	97.34	7,690.36	-28.67	222.60	30.42	0.00	0.00	0.00
7,800.00	5.00	97.34	7,789.98	-29.78	231.25	31.60	0.00	0.00	0.00
7,900.00	5.00	97.34	7,889.60	-30.89	239.89	32.78	0.00	0.00	0.00
8,000.00	5.00	97.34	7,989.22	-32.01	248.54	33.96	0.00	0.00	0.00
8,100.00	5.00	97.34	8,088.84	-33.12	257.18	35.14	0.00	0.00	0.00
8,200.00	5.00	97.34	8,188.46	-34.23	265.83	36.32	0.00	0.00	0.00
8,300.00	5.00	97.34	8,288.08	-35.35	274.47	37.50	0.00	0.00	0.00
8,400.00	5.00	97.34	8,387.70	-36.46	283.12	38.68	0.00	0.00	0.00
8,500.00	5.00	97.34	8,487.31	-37.57	291.76	39.86	0.00	0.00	0.00
8,600.00	5.00	97.34	8,586.93	-38.69	300.40	41.05	0.00	0.00	0.00
8,700.00	5.00	97.34	8,686.55	-39.80	309.05	42.23	0.00	0.00	0.00
8,748.94	5.00	97.34	8,735.31	-40.35	313.28	42.80	0.00	0.00	0.00
<b>Begin 2.00°/100' Drop</b>									
8,800.00	3.98	97.34	8,786.21	-40.86	317.24	43.35	2.00	-2.00	0.00
8,900.00	1.98	97.34	8,886.07	-41.52	322.40	44.05	2.00	-2.00	0.00
8,998.95	0.00	0.00	8,985.00	-41.74	324.09	44.28	2.00	-2.00	0.00
<b>Begin Vertical Hold</b>									
10,555.45	0.00	0.00	10,541.50	-41.74	324.09	44.28	0.00	0.00	0.00
<b>KOP2, Begin 10.00°/100' Build</b>									
10,600.00	4.46	179.55	10,586.01	-43.47	324.11	46.01	10.00	10.00	0.00
10,700.00	14.46	179.55	10,684.52	-59.88	324.24	62.42	10.00	10.00	0.00
10,800.00	24.46	179.55	10,778.69	-93.14	324.50	95.69	10.00	10.00	0.00



<b>Database:</b>	USA Compass	<b>Local Co-ordinate Reference:</b>	Well 2H
<b>Company:</b>	Texas Standard Oil	<b>TVD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Project:</b>	Lea County, NM (NAD 83 - NME)	<b>MD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Site:</b>	Bulldog	<b>North Reference:</b>	Grid
<b>Well:</b>	2H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1 02-17-23		

**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)
10,900.00	34.46	179.55	10,865.66	-142.25	324.89	144.80	10.00	10.00	0.00
11,000.00	44.46	179.55	10,942.77	-205.72	325.39	208.27	10.00	10.00	0.00
11,100.00	54.46	179.55	11,007.69	-281.61	326.00	284.16	10.00	10.00	0.00
11,200.00	64.46	179.55	11,058.45	-367.62	326.68	370.17	10.00	10.00	0.00
11,300.00	74.46	179.55	11,093.50	-461.14	327.42	463.69	10.00	10.00	0.00
11,400.00	84.46	179.55	11,111.77	-559.32	328.20	561.88	10.00	10.00	0.00
11,438.06	88.26	179.55	11,114.19	-597.30	328.50	599.86	10.00	10.00	0.00
<b>LP, Hold 88.26° Inc at 179.55° Azm</b>									
11,500.00	88.26	179.55	11,116.07	-659.20	328.99	661.77	0.00	0.00	0.00
11,600.00	88.26	179.55	11,119.10	-759.16	329.78	761.72	0.00	0.00	0.00
11,700.00	88.26	179.55	11,122.14	-859.11	330.58	861.68	0.00	0.00	0.00
11,800.00	88.26	179.55	11,125.17	-959.06	331.37	961.63	0.00	0.00	0.00
11,900.00	88.26	179.55	11,128.20	-1,059.01	332.16	1,061.58	0.00	0.00	0.00
12,000.00	88.26	179.55	11,131.23	-1,158.96	332.96	1,161.54	0.00	0.00	0.00
12,100.00	88.26	179.55	11,134.27	-1,258.91	333.75	1,261.49	0.00	0.00	0.00
12,200.00	88.26	179.55	11,137.30	-1,358.86	334.54	1,361.45	0.00	0.00	0.00
12,300.00	88.26	179.55	11,140.33	-1,458.81	335.33	1,461.40	0.00	0.00	0.00
12,400.00	88.26	179.55	11,143.37	-1,558.76	336.13	1,561.35	0.00	0.00	0.00
12,500.00	88.26	179.55	11,146.40	-1,658.71	336.92	1,661.31	0.00	0.00	0.00
12,600.00	88.26	179.55	11,149.43	-1,758.66	337.71	1,761.26	0.00	0.00	0.00
12,700.00	88.26	179.55	11,152.47	-1,858.62	338.51	1,861.22	0.00	0.00	0.00
12,800.00	88.26	179.55	11,155.50	-1,958.57	339.30	1,961.17	0.00	0.00	0.00
12,900.00	88.26	179.55	11,158.53	-2,058.52	340.09	2,061.12	0.00	0.00	0.00
13,000.00	88.26	179.55	11,161.57	-2,158.47	340.88	2,161.08	0.00	0.00	0.00
13,100.00	88.26	179.55	11,164.60	-2,258.42	341.68	2,261.03	0.00	0.00	0.00
13,200.00	88.26	179.55	11,167.63	-2,358.37	342.47	2,360.99	0.00	0.00	0.00
13,300.00	88.26	179.55	11,170.67	-2,458.32	343.26	2,460.94	0.00	0.00	0.00
13,400.00	88.26	179.55	11,173.70	-2,558.27	344.06	2,560.89	0.00	0.00	0.00
13,500.00	88.26	179.55	11,176.73	-2,658.22	344.85	2,660.85	0.00	0.00	0.00
13,600.00	88.26	179.55	11,179.76	-2,758.17	345.64	2,760.80	0.00	0.00	0.00
13,700.00	88.26	179.55	11,182.80	-2,858.12	346.44	2,860.76	0.00	0.00	0.00
13,800.00	88.26	179.55	11,185.83	-2,958.07	347.23	2,960.71	0.00	0.00	0.00
13,900.00	88.26	179.55	11,188.86	-3,058.03	348.02	3,060.66	0.00	0.00	0.00
14,000.00	88.26	179.55	11,191.90	-3,157.98	348.81	3,160.62	0.00	0.00	0.00
14,100.00	88.26	179.55	11,194.93	-3,257.93	349.61	3,260.57	0.00	0.00	0.00
14,200.00	88.26	179.55	11,197.96	-3,357.88	350.40	3,360.53	0.00	0.00	0.00
14,300.00	88.26	179.55	11,201.00	-3,457.83	351.19	3,460.48	0.00	0.00	0.00
14,400.00	88.26	179.55	11,204.03	-3,557.78	351.99	3,560.43	0.00	0.00	0.00
14,500.00	88.26	179.55	11,207.06	-3,657.73	352.78	3,660.39	0.00	0.00	0.00
14,600.00	88.26	179.55	11,210.10	-3,757.68	353.57	3,760.34	0.00	0.00	0.00
14,700.00	88.26	179.55	11,213.13	-3,857.63	354.36	3,860.30	0.00	0.00	0.00
14,800.00	88.26	179.55	11,216.16	-3,957.58	355.16	3,960.25	0.00	0.00	0.00
14,900.00	88.26	179.55	11,219.20	-4,057.53	355.95	4,060.20	0.00	0.00	0.00
15,000.00	88.26	179.55	11,222.23	-4,157.48	356.74	4,160.16	0.00	0.00	0.00
15,100.00	88.26	179.55	11,225.26	-4,257.44	357.54	4,260.11	0.00	0.00	0.00
15,200.00	88.26	179.55	11,228.29	-4,357.39	358.33	4,360.07	0.00	0.00	0.00
15,300.00	88.26	179.55	11,231.33	-4,457.34	359.12	4,460.02	0.00	0.00	0.00
15,400.00	88.26	179.55	11,234.36	-4,557.29	359.91	4,559.97	0.00	0.00	0.00
15,500.00	88.26	179.55	11,237.39	-4,657.24	360.71	4,659.93	0.00	0.00	0.00
15,600.00	88.26	179.55	11,240.43	-4,757.19	361.50	4,759.88	0.00	0.00	0.00
15,700.00	88.26	179.55	11,243.46	-4,857.14	362.29	4,859.84	0.00	0.00	0.00
15,800.00	88.26	179.55	11,246.49	-4,957.09	363.09	4,959.79	0.00	0.00	0.00
15,900.00	88.26	179.55	11,249.53	-5,057.04	363.88	5,059.74	0.00	0.00	0.00



<b>Database:</b>	USA Compass	<b>Local Co-ordinate Reference:</b>	Well 2H
<b>Company:</b>	Texas Standard Oil	<b>TVD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Project:</b>	Lea County, NM (NAD 83 - NME)	<b>MD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Site:</b>	Bulldog	<b>North Reference:</b>	Grid
<b>Well:</b>	2H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1 02-17-23		

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)
16,000.00	88.26	179.55	11,252.56	-5,156.99	364.67	5,159.70	0.00	0.00	0.00
16,100.00	88.26	179.55	11,255.59	-5,256.94	365.46	5,259.65	0.00	0.00	0.00
16,200.00	88.26	179.55	11,258.63	-5,356.89	366.26	5,359.61	0.00	0.00	0.00
16,300.00	88.26	179.55	11,261.66	-5,456.85	367.05	5,459.56	0.00	0.00	0.00
16,400.00	88.26	179.55	11,264.69	-5,556.80	367.84	5,559.51	0.00	0.00	0.00
16,500.00	88.26	179.55	11,267.73	-5,656.75	368.64	5,659.47	0.00	0.00	0.00
16,600.00	88.26	179.55	11,270.76	-5,756.70	369.43	5,759.42	0.00	0.00	0.00
16,700.00	88.26	179.55	11,273.79	-5,856.65	370.22	5,859.38	0.00	0.00	0.00
16,800.00	88.26	179.55	11,276.83	-5,956.60	371.02	5,959.33	0.00	0.00	0.00
16,900.00	88.26	179.55	11,279.86	-6,056.55	371.81	6,059.28	0.00	0.00	0.00
17,000.00	88.26	179.55	11,282.89	-6,156.50	372.60	6,159.24	0.00	0.00	0.00
17,100.00	88.26	179.55	11,285.92	-6,256.45	373.39	6,259.19	0.00	0.00	0.00
17,200.00	88.26	179.55	11,288.96	-6,356.40	374.19	6,359.15	0.00	0.00	0.00
17,300.00	88.26	179.55	11,291.99	-6,456.35	374.98	6,459.10	0.00	0.00	0.00
17,400.00	88.26	179.55	11,295.02	-6,556.30	375.77	6,559.05	0.00	0.00	0.00
17,500.00	88.26	179.55	11,298.06	-6,656.26	376.57	6,659.01	0.00	0.00	0.00
17,600.00	88.26	179.55	11,301.09	-6,756.21	377.36	6,758.96	0.00	0.00	0.00
17,700.00	88.26	179.55	11,304.12	-6,856.16	378.15	6,858.92	0.00	0.00	0.00
17,800.00	88.26	179.55	11,307.16	-6,956.11	378.94	6,958.87	0.00	0.00	0.00
17,900.00	88.26	179.55	11,310.19	-7,056.06	379.74	7,058.82	0.00	0.00	0.00
18,000.00	88.26	179.55	11,313.22	-7,156.01	380.53	7,158.78	0.00	0.00	0.00
18,100.00	88.26	179.55	11,316.26	-7,255.96	381.32	7,258.73	0.00	0.00	0.00
18,200.00	88.26	179.55	11,319.29	-7,355.91	382.12	7,358.69	0.00	0.00	0.00
18,300.00	88.26	179.55	11,322.32	-7,455.86	382.91	7,458.64	0.00	0.00	0.00
18,400.00	88.26	179.55	11,325.36	-7,555.81	383.70	7,558.59	0.00	0.00	0.00
18,500.00	88.26	179.55	11,328.39	-7,655.76	384.49	7,658.55	0.00	0.00	0.00
18,600.00	88.26	179.55	11,331.42	-7,755.72	385.29	7,758.50	0.00	0.00	0.00
18,700.00	88.26	179.55	11,334.45	-7,855.67	386.08	7,858.46	0.00	0.00	0.00
18,800.00	88.26	179.55	11,337.49	-7,955.62	386.87	7,958.41	0.00	0.00	0.00
18,900.00	88.26	179.55	11,340.52	-8,055.57	387.67	8,058.36	0.00	0.00	0.00
19,000.00	88.26	179.55	11,343.55	-8,155.52	388.46	8,158.32	0.00	0.00	0.00
19,100.00	88.26	179.55	11,346.59	-8,255.47	389.25	8,258.27	0.00	0.00	0.00
19,200.00	88.26	179.55	11,349.62	-8,355.42	390.05	8,358.23	0.00	0.00	0.00
19,300.00	88.26	179.55	11,352.65	-8,455.37	390.84	8,458.18	0.00	0.00	0.00
19,400.00	88.26	179.55	11,355.69	-8,555.32	391.63	8,558.13	0.00	0.00	0.00
19,500.00	88.26	179.55	11,358.72	-8,655.27	392.42	8,658.09	0.00	0.00	0.00
19,600.00	88.26	179.55	11,361.75	-8,755.22	393.22	8,758.04	0.00	0.00	0.00
19,700.00	88.26	179.55	11,364.79	-8,855.17	394.01	8,858.00	0.00	0.00	0.00
19,800.00	88.26	179.55	11,367.82	-8,955.13	394.80	8,957.95	0.00	0.00	0.00
19,900.00	88.26	179.55	11,370.85	-9,055.08	395.60	9,057.90	0.00	0.00	0.00
20,000.00	88.26	179.55	11,373.89	-9,155.03	396.39	9,157.86	0.00	0.00	0.00
20,100.00	88.26	179.55	11,376.92	-9,254.98	397.18	9,257.81	0.00	0.00	0.00
20,200.00	88.26	179.55	11,379.95	-9,354.93	397.97	9,357.77	0.00	0.00	0.00
20,300.00	88.26	179.55	11,382.99	-9,454.88	398.77	9,457.72	0.00	0.00	0.00
20,400.00	88.26	179.55	11,386.02	-9,554.83	399.56	9,557.67	0.00	0.00	0.00
20,500.00	88.26	179.55	11,389.05	-9,654.78	400.35	9,657.63	0.00	0.00	0.00
20,600.00	88.26	179.55	11,392.08	-9,754.73	401.15	9,757.58	0.00	0.00	0.00
20,700.00	88.26	179.55	11,395.12	-9,854.68	401.94	9,857.54	0.00	0.00	0.00
20,800.00	88.26	179.55	11,398.15	-9,954.63	402.73	9,957.49	0.00	0.00	0.00
20,900.00	88.26	179.55	11,401.18	-10,054.58	403.52	10,057.44	0.00	0.00	0.00
21,000.00	88.26	179.55	11,404.22	-10,154.54	404.32	10,157.40	0.00	0.00	0.00
21,100.00	88.26	179.55	11,407.25	-10,254.49	405.11	10,257.35	0.00	0.00	0.00
21,200.00	88.26	179.55	11,410.28	-10,354.44	405.90	10,357.31	0.00	0.00	0.00
21,300.00	88.26	179.55	11,413.32	-10,454.39	406.70	10,457.26	0.00	0.00	0.00



<b>Database:</b>	USA Compass	<b>Local Co-ordinate Reference:</b>	Well 2H
<b>Company:</b>	Texas Standard Oil	<b>TVD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Project:</b>	Lea County, NM (NAD 83 - NME)	<b>MD Reference:</b>	RKB @ 3902.00usft (TBD)
<b>Site:</b>	Bulldog	<b>North Reference:</b>	Grid
<b>Well:</b>	2H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1 02-17-23		

**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)
21,400.00	88.26	179.55	11,416.35	-10,554.34	407.49	10,557.21	0.00	0.00	0.00
21,500.00	88.26	179.55	11,419.38	-10,654.29	408.28	10,657.17	0.00	0.00	0.00
21,600.00	88.26	179.55	11,422.42	-10,754.24	409.07	10,757.12	0.00	0.00	0.00
21,700.00	88.26	179.55	11,425.45	-10,854.19	409.87	10,857.08	0.00	0.00	0.00
21,792.35	88.26	179.55	11,428.25	-10,946.50	410.60	10,949.39	0.00	0.00	0.00

**TD at 21792.35**

**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
FTP - Bulldog 2H			0.00	0.00	11,114.19	-597.30	328.50	686,741.40	846,544.50	32° 53' 2.108624 N	3° 20' 20.835973 W
- plan hits target center											
- Point											
LTP/BHL - Bulldog 2H			0.00	0.00	11,428.25	-10,946.50	410.60	676,392.20	846,626.60	32° 51' 19.710616 N	3° 20' 21.016190 W
- plan hits target center											
- Point											

**Casing Points**

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
21,792.35	11,428.25	20" Casing	20	24

**Plan Annotations**

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5,000.00	5,000.00	0.00	0.00	KOP, Begin 2.00°/100' Build
5,250.01	5,249.69	-1.39	10.81	Hold 5.00° Inc at 97.34° Azm
8,748.94	8,735.31	-40.35	313.28	Begin 2.00°/100' Drop
8,998.95	8,985.00	-41.74	324.09	Begin Vertical Hold
10,555.45	10,541.50	-41.74	324.09	KOP2, Begin 10.00°/100' Build
11,438.06	11,114.19	-597.30	328.50	LP, Hold 88.26° Inc at 179.55° Azm
21,792.35	11,428.25	-10,946.50	410.60	TD at 21792.35

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

APPLICATION OF TEXAS STANDARD  
OPERATING NM LLC FOR COMPULSORY  
POOLING, LEA COUNTY, NEW MEXICO.

Case Nos. 23361

SELF-AFFIRMED STATEMENT OF NOTICE

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

James Bruce deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Texas Standard Operating NM LLC.
3. Texas Standard Operating NM LLC 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.
4. Notice of the application was provided to the interest owners, at their correct 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: 2/28/23

  
James Bruce

EXHIBIT 4



**JAMES BRUCE**  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

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

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

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

February 8, 2023

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed is a copy of an application for compulsory pooling (Case No. 23361), filed with the New Mexico Oil Conservation Division by Texas Standard Operating NM LLC, seeking an order pooling all uncommitted mineral interest owners in the Upper Penn Shale formation underlying a horizontal spacing unit comprised of (i) the W/2E/2 of Section 34, Township 16 South, Range 36 East, N.M.P.M., and (ii) the W/2E/2 of Section 3 and the NW/4NE/4 of Section 10, Township 17 South, Range 36 East, N.M.P.M., Lea County, New Mexico. The unit will be dedicated to the Bulldog State Well Nos. 1H and 2H.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, March 2, 2023. During the current circumstances, state buildings are closed to the public and the hearing will be conducted remotely. To view the hearing docket and to determine how to participate in an electronic hearing, go to <https://www.emnrd.nm.gov/ocd/hearing-info/>, or contact Marlene Salvidrez at [Marlene.Salvidrez@emnrd.nm.gov](mailto:Marlene.Salvidrez@emnrd.nm.gov). You are not required to attend this hearing, but as an owner of an interest who may be affected by the application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting this matter at a later date. A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than five business days before the hearing date. This statement may be filed online with the Division at [ocd.hearings@emnrd.nm.gov](mailto:ocd.hearings@emnrd.nm.gov), and should include: The name of the party and his or her attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate time the party will need to present his or her 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

ATTACHMENT

A

EXHIBIT A

XTO Holdings LLC  
22777 Springwoods Village Parkway  
Spring, Texas 77389

Morningstar Partners, LP  
400 West 7<sup>th</sup> Street  
Fort Worth, Texas 76102

Occidental Permian Limited Partnership  
5 Greenway Plaza, Suite 110  
Houston, Texas 77046

**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

**A. Signature**  
 *W. Hillary*  
**B. Received by (Printed Name)** C. Date of Delivery

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

**3. Service Type**  
 Priority Mail Express®  
 Registered Mail™  
 Adult Signature Restricted Delivery  
 Certified Mail®  
 Signature Confirmation™  
 Collect on Delivery Restricted Delivery

Article Number (Transfer from service label)  
 7022 1670 0002 1183 0824 (over \$500)

PS Form 3811, July 2020 PSN 7530-02-000-9053 TX STd Domestic Return Receipt

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

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

**OFFICIAL USE**

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

**Total Postage and Fees** \$

**Sent To** XTO Holdings LLC  
 22777 Springwoods Village Parkway  
 Spring, Texas 77389

**Street and Apt. No.**  
**City, State, ZIP+4®**

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

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

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

**OFFICIAL USE**

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

**Total Postage and Fees** \$

**Sent To** Morningstar Partners, LP  
 400 West 7th Street  
 Fort Worth, Texas 76102

**Street and Apt. No.**  
**City, State, ZIP+4®**

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

**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

**A. Signature**  
 *M. Swack*  
**B. Received by (Printed Name)** C. Date of Delivery

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

**3. Service Type**  
 Priority Mail Express®  
 Registered Mail™  
 Adult Signature Restricted Delivery  
 Certified Mail®  
 Signature Confirmation™  
 Collect on Delivery Restricted Delivery

Article Number (Transfer from service label)  
 7022 1670 0002 1183 0824 (over \$500)

PS Form 3811, July 2020 PSN 7530-02-000-9053 TX STd Domestic Return Receipt

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

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

**OFFICIAL USE**

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

**Total Postage and Fees** \$

**Sent To** Morningstar Partners, LP  
 400 West 7th Street  
 Fort Worth, Texas 76102

**Street and Apt. No.**  
**City, State, ZIP+4®**

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

2202 0297 0000 1831

**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

Occidental Permian Limited Partnership  
 5 Greenway Plaza, Suite 110  
 Houston, Texas 77046



9590 9402 7543 2098 9621 37

2. Article Number (Transfer from service label)

7022 1670 0002 1183 0817

PS Form 3811, July 2020 PSN 7530-02-000-9053

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
 Addressee

B. Received by (Printed Name) \_\_\_\_\_  
 C. Date of Delivery 2/11/23

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

3. Service Type
- Adult Signature
  - Adult Signature Restricted Delivery
  - Certified Mail®
  - Certified Mail Restricted Delivery
  - Collect on Delivery
  - Collect on Delivery Restricted Delivery
  - Priority Mail Express®
  - Registered Mail™
  - Registered Mail Restricted Delivery
  - Signature Confirmation™
  - Signature Confirmation Restricted Delivery

Restricted Delivery  
17570 Domestic Return Receipt

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

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

**OFFICIAL USE**

Certified Mail Fee	\$	
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$	
<input type="checkbox"/> Return Receipt (electronic)	\$	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	
<input type="checkbox"/> Adult Signature Required	\$	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	
Postage	\$	
<b>Total Postage and Fees</b>	\$	

Postmark Here

Sent To \_\_\_\_\_  
 Street and Apt. No. \_\_\_\_\_  
 City, State, ZIP+4® \_\_\_\_\_  
 Occidental Permian Limited Partnership  
 5 Greenway Plaza, Suite 110  
 Houston, Texas 77046

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

7022 1670 0002 1183 0817

# 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  
February 09, 2023  
and ending with the issue dated  
February 09, 2023.

  
\_\_\_\_\_  
Publisher

Sworn and subscribed to before me this  
9th day of February 2023.

  
\_\_\_\_\_  
Business Manager

My commission expires  
January 29, 2027  
(Seal)

STATE OF NEW MEXICO  
NOTARY PUBLIC  
GUSSIE RUTH BLACK  
COMMISSION # 1087526  
COMMISSION EXPIRES 01/29/2027

**LEGAL NOTICE**  
**February 9, 2023**

To: XTO Holdings LLC, Morningstar Partners, LP, and Occidental Permian Limited Partnership, or your successors or assigns: Texas Standard Operating LLC has filed an application with the New Mexico Oil Conservation Division (Case No. 23361) seeking an order pooling all uncommitted mineral interest owners in the Upper Penn Shale formation underlying a horizontal spacing unit comprised of (i) the W/2E/2 of Section 34, Township 16 South, Range 36 East, N.M.P.M., and (ii) the W/2E/2 of Section 3 and the NW/4NE/4 of Section 10, Township 17 South, Range 36 East, N.M.P.M., all in Lea County, New Mexico. The unit will be dedicated to the Bulldog State Well Nos. 1H and 2H, which have first take points in the NW/4NE/4 of Section 34 and last take points in the NW/4NE/4 of Section 10. Also to be considered will be the cost of drilling, completing, testing, and equipping the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a 200% charge for the risk involved in drilling, completing, testing, and equipping the wells. This matter is scheduled for hearing on March 2, 2023 at 8:15 a.m. During the current circumstances, state buildings are closed to the public and the hearing will be conducted remotely. To view the hearing docket and to determine how to participate in an electronic hearing, go to <https://www.emnrd.nm.gov/ocd/hearing-info/>, or contact Marlene Salvidrez at [Marlene.Salvidrez@emnrd.nm.gov](mailto:Marlene.Salvidrez@emnrd.nm.gov). You are not required to attend this hearing, but as an owner of an interest who may be affected by the application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting this matter at a later date. A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than five business days before the hearing date. This statement may be filed online with the Division at [ocd.hearings@emnrd.nm.gov](mailto:ocd.hearings@emnrd.nm.gov), and should include: The name of the party and his or her attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate time the party will need to present his or her 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 attorney for applicant, James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504, [jamesbruc@aol.com](mailto:jamesbruc@aol.com). The unit is located approximately 5 miles south of Lovington, New Mexico.  
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JAMES BRUCE  
JAMES BRUCE, ATTORNEY AT LAW  
P.O. BOX 1056  
SANTA FE, NM 87504

EXHIBIT

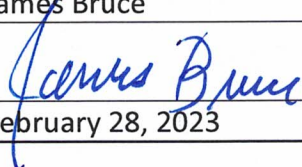
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<b>COMPULSORY POOLING APPLICATION CHECKLIST</b>	
<b>ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS</b>	
<b>Case: 23361</b>	<b>APPLICANT'S RESPONSE</b>
<b>Date: March 2, 2023</b>	
Applicant	Texas Standard Operating NM LLC
Designated Operator & OGRID (affiliation if applicable)	Texas Standard Operating NM LLC /OGRID 329818
Applicant's Counsel:	James Bruce
Case Title:	Application Texas Standard Operating NM LLC for Compulsory Pooling, Lea County, New Mexico
Entries of Appearance/Intervenors:	
Well Family	Bulldog Upper Pennsylvanian wells
<b>Formation/Pool</b>	
Formation Name(s) or Vertical Extent:	Upper Pennsylvanian
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Upper Pennsylvanian formation
Pool Name and Pool Code:	Upper Pennsylvanian Undesignated/Pool Code 98333
Well Location Setback Rules:	Standard Rules for horizontal wells – 330’ and 100’ setbacks
<b>Spacing Unit</b>	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	360 acres
Building Blocks:	40 acres
Orientation:	North-South
Description: TRS/County	W/2E/2 §34, Township 16 South, Range 36 East, and W/2E/2 §3 and NW/4NE/4 §10, Township 17 South, Range 36 East NMPM, Lea County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes
	EXHIBIT 6
<b>Other Situations</b>	
Depth Severance: Y/N. If yes, description	N
Proximity Tracts: If yes, description	N
Proximity Defining Well: if yes,	

description	
Applicant's Ownership in Each Tract	Exhibit 2-A
<b>Well(s)</b>	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed
Well #1	Bulldog State Well No. 1H API No. 30-025-51131 SHL: 100 FNL & 1985 FEL §34 BHL: 500 FNL & 2310 FEL §10 FTP: 100 FNL & 2310 FEL §34 LTP: 500 FNL & 2310 FEL §10 Upper Pennsylvanian Shale/TVD 11800 feet/MD 23100 feet
Well #2	Bulldog State Well No. 2H API No. 30-025-51132 SHL: 100 FNL & 1975 FEL §34 BHL: 500 FNL & 1650 FEL §10 FTP: 100 FNL & 1650 FEL §34 LTP: 500 FNL & 1650 FEL §10 Upper Pennsylvanian Shale/TVD 11800 feet/MD 23100 feet
Horizontal Well First and Last Take Points	See above
Completion Target (Formation, TVD and MD)	See above
<b>AFE Capex and Operating Costs</b>	
Drilling Supervision/Month \$	\$8000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit 2, page2
Requested Risk Charge	
<b>Notice of Hearing</b>	
Proposed Notice of Hearing	Exhibit 1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit 4
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit 5
<b>Ownership Determination</b>	
Land Ownership Schematic of the Spacing Unit	Exhibit 2-A

Tract List (including lease numbers and owners)	Exhibit 2-A
If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	N/A
Pooled Parties (including ownership type)	Exhibit 2-A; Working Interest Owners
Unlocatable Parties to be Pooled	None
Ownership Depth Severance (including percentage above & below)	No Depth Severance
<b>Joinder</b>	
Sample Copy of Proposal Letter	Exhibit 2-B
List of Interest Owners (i.e. Exhibit A of JOA)	Exhibit 2-A
Chronology of Contact with Non-Joined Working Interests	Exhibit 2-B
Overhead Rates In Proposal Letter	
Cost Estimate to Drill and Complete	Exhibit 2-C
Cost Estimate to Equip Well	Exhibit 2-C
Cost Estimate for Production Facilities	Exhibit 2-C
<b>Geology</b>	
Summary (including special considerations)	Exhibit 3
Spacing Unit Schematic	Exhibits 2-A and 3-A
Gunbarrel/Lateral Trajectory Schematic	Exhibit 3-C
Well Orientation (with rationale)	North-South; Exhibits 3-A and 3-B
Target Formation	Upper Pennsylvanian formation
HSU Cross Section	Exhibit 3-C
Depth Severance Discussion	N/A
<b>Forms, Figures and Tables</b>	
C-102	Exhibit 2-A
Tracts	Exhibit 2-A
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 2-A



General Location Map (including basin)	Exhibit 3-A
Well Bore Location Map	Exhibit 2-A
Structure Contour Map - Subsea Depth	Exhibit 3-B
Cross Section Location Map (including wells)	Exhibit 3-B
Cross Section (including Landing Zone)	Exhibit 3-C
<b>Additional Information</b>	
Special Provisions/Stipulations	
<b>CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.</b>	
<b>Printed Name</b> (Attorney or Party Representative):	James Bruce
<b>Signed Name</b> (Attorney or Party Representative):	
<b>Date:</b>	February 28, 2023