CASE NO. 23426

APPLICATION OF BTA OIL PRODUCERS, LLC TO RESCIND APPROVAL OF FOUR APPLICATIONS FOR PERMIT TO DRILL ISSUED TO TEXAS STANDARD OPERATING NM LLC, LEA COUNTY, NEW MEXICO

EXHIBIT LIST OF TEXAS STANDARD OPERATING, LLC (In Seven Parts)

1. Landman's Affidavit and Attachments A through D
2. Engineer's Affidavit with Attachments A-1 and A-2

2(a). Attachments A-3 and A-4 to Exhibit 2

2(b). Attachments B-1 and B-2 to Exhibit 2

2(c). Attachments B-3 and B-4 to Exhibit 2

2(d). Attachments C-1 through C-3 to Exhibit 2

2(e). Attachments D-1 through D-3 and Attachment E to Exhibit 2

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011

Permit 333762

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
Texas Standard Operating NM LLC 3300 North A Street Midland, TX 79705	329818
	3. API Number 30-025-51129
4. Property Code 333773	5. Property Name STATE 9 16
	6. Well No. 003H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	21	17S	36E	D	1295	N	675	W	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	9	17S	36E	L	2551	S	990	W	Lea

9. Pool Information

WC-025 G-09 S173615C;UPPER PENN	98333

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3873
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	20789	Upper Pennsylvanian Undesignated		3/1/2023
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	2100	1200	0
Int1	12.25	9.625	43.5	11400	2800	0
Prod	8.5	5.5	26	20789	3000	9100

Casing/Cement Program: Additional Comments

Casing grade for Intermediate 1 is HCP-110

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	Cameron
Annular	5000	2500	Shafer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.** Signature:		**OIL CONSERVATION DIVISION**	
Printed Name:	Electronically filed by Craig E Young	Approved By:	Paul F Kautz
Title:	VP Operations	Title:	Geologist
Email Address:	craig@txsoil.com	Approved Date:	2/27/2023
Date:	2/20/2023 Phone: 432-693-6674	Conditions of Approval Attached	Expiration Date: 2/27/2025

ATTACHMENT A-3

District I
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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

1 API Number	2 Pool Code	3 Pool Name
30-025	98333	WC-025 G-09 S173615C; UPPER PENN

4 Property Code	5 Property Name	6 Well Number
	STATE 9-16	3H

7 OGRID NO.	8 Operator Name	9 Elevation
329818	TEXAS STANDARD OPERATING NM LLC	3873'

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
D	21	17S	36E		1295	NORTH	675	WEST	LEA

11 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
L	9	17S	36E		2551	SOUTH	990	WEST	LEA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
240			

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.

16

GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION (SL)
N: 664894.2 – E: 838487.9
LAT: 32.8240837° N
LONG: 103.3660141° W

FIRST TAKE POINT (FTP)
100' FSL–990' FWL (SEC.16)
N: 666293.5 – E: 838784.9
LAT: 32.8279217° N
LONG: 103.3650057° W

LAST TAKE POINT (LTP)
2551' FSL–990' FWL (SEC.9)
N: 674028.4 – E: 838700.4
LAT: 32.8491813° N
LONG: 103.3650499° W

BOTTOM HOLE (BH)
N: 674028.4 – E: 838700.4
LAT: 32.8491813° N
LONG: 103.3650499° W

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND 1/2" PIPE
N: 660889.5 – E: 837854.8

B: FOUND STONE
N: 663533.8 – E: 837830.5

C: FOUND 3/4"X1"X3" LIMESTONE ROCK
N: 666179.1 – E: 837796.3

D: FOUND 3" POST
N: 671469.6 – E: 837736.9

E: FOUND 1/2" REBAR
N: 674112.6 – E: 837709.6

F: FOUND 1/2" REBAR
N: 676757.6 – E: 837683.6

G: FOUND 1/2" REBAR W/ALUMINUM CAP "PIPER SURVEYING"
N: 676797.0 – E: 840330.4

H: FOUND NAIL
N: 676847.9 – E: 842973.0

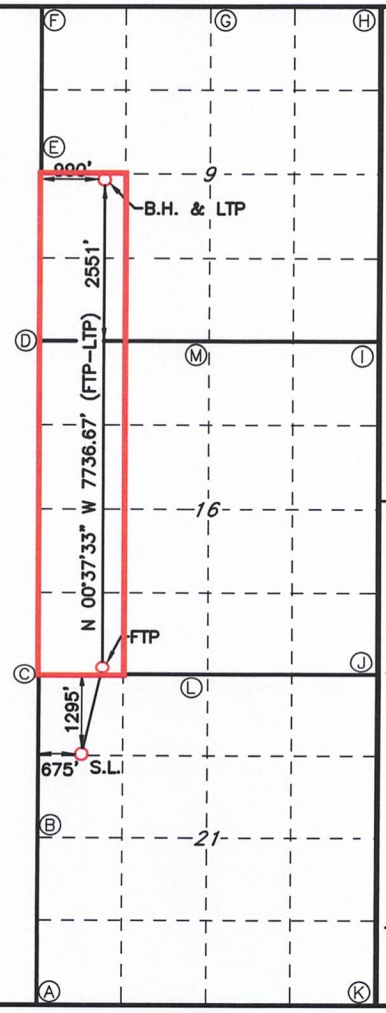
I: FOUND NAIL & WASHER "ILLEGIBLE"
N: 671545.6 – E: 843025.1

J: CALCULATED CORNER
N: 666250.0 – E: 843085.8

K: CALCULATED CORNER
N: 660954.4 – E: 843153.6

L: FOUND 10"X3"X6" LIMESTONE ROCK
N: 666217.6 – E: 840442.9

M: FOUND 6" POST
N: 671491.1 – E: 840380.2



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 January 30, 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.

10/13/2022
Date of Survey

Signature and Seal of Professional Surveyor:

DALE E. BELL
NEW MEXICO
14400
11/03/2022
PROFESSIONAL SURVEYOR

14400
Certificate Number

Job No: LS22101145

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Conditions

Permit 333762

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
Texas Standard Operating NM LLC [329818] 3300 North A Street Midland, TX 79705	30-025-51129
	Well: STATE 9 16 #003H

OCD Reviewer	Condition
pkautz	Notify OCD 24 hours prior to casing & cement
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing
pkautz	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: Texas Standard Operating NM LLC **OGRID:** 329818 **Date:** 1 / 31 / 22

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe:

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
State 9-16 #1H		C-21-17S-36E	855' FNL, 1995' FWL	1200	1250	1000
State 9-16 #2H		C-21-17S-36E	855' FNL, 1980' FWL	1200	1250	1000
State 9-16 #3H		D-21-17S-36E	1295' FNL, 675' FWL	1200	1250	1000
State 9-16 #4H		D-21-17S-36E	1295' FNL, 660' FWL	1200	1250	1000

IV. Central Delivery Point Name: State 9-16 CDP [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
State 9-16 #1H		5/1/23	6/12/23	9/19/23	11/24/23	11/24/23
State 9-16 #2H		6/14/23	7/18/23	9/19/23	11/24/23	11/24/23
State 9-16 #3H		7/22/23	8/24/23	10/7/23	12/10/23	12/10/23
State 9-16 #4H		8/26/23	9/26/23	10/7/23	12/10/23	12/10/23

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

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Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

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Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

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I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: Craig E Young
Printed Name: Craig E. Young
Title: Sr. VP Operations
E-mail Address: Craig@txsoil.com
Date: 2/1/23
Phone: 432-693-6674

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

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Texas Standard Operating NM LLC Natural Gas Management Plan

Section VI. Separation Equipment

These four wells will be drilled on 2, two well pads. Each pad will have a single battery and metering equipment for each well. It will be a new build facility.

- Separation equipment will be sized to provide adequate separation for anticipated rates.
- Separation equipment will allow for adequate retention time to allow gas and liquids to separate.
- Separation equipment will separate all three phases (Oil, Water, and Gas).
- Collection systems will be appropriately sized to handle facility production rates on all three phases.
- Ancillary equipment and metering is selected to be serviced without flow interruptions, or the need to release gas from the flow stream.

Section VII. Operational Practices as per 19.15.27.8 NMAC Subsections A through F

Subsection A: Texas Standard Operating NM LLC will maximize the recovery of natural gas and minimize the waste of natural gas by properly sizing and maintaining tanks, vessels, and related equipment including thief hatches, enardo valves, flares, and vapor recovery equipment. In all circumstances, Texas Standard shall flare rather than vent natural gas except when flaring is technically infeasible, or when flaring would result a risk to safe operations or personal safety.

Subsection B – Venting and flaring during drilling operations: Texas Standard will capture natural gas coming from the wellbore during drilling operations by routing any gas laden fluids through a mud gas separator with the gas then being routed to a flare stack located at least 100'from the wellbore. In addition, Texas Standard will be drilling the well with fluid sufficiently weighted to minimize the entry of natural gas into the wellbore. Any gas that is flared during the drilling operations will be reported pursuant to Paragraph (1) of Subsection G of 19.15.27.8 NMAC.

Subsection C – Venting and flaring during completion operations: After fracing, sand and the frac plugs will be cleaned out of the wellbore under controlled conditions (circulating 1 barrel in per 1 barrel out) that will reduce or eliminate the flow of gas to the atmosphere. After cleaning the well out, a packer with a rupture disk will be set by wireline. Tubing with gas lift valves will be installed. The rupture disk will then be burst and flowback will commence.

During the initial flowback after the frac job the fluids will go directly into storage tanks until there is sufficient pressure to function a separator at which point the fuids will go into a separator that will remove the gas from the fluid and send the metered gas to an on-site flare stack until it is feasible to route the gas to the inlet separator for this well at the battery.

As soon as it is practical, the produced fluids will be switched out of the flowback separator and into the flowline going directly to the inlet separator for this well and sale as soon as feasible.

Any gas flared during the completion operations will be reported pursuant to Paragraph (1) of Subsection G of 19.15.27.8 NMAC.

Once the well dies, or if the well will not flow, gas lift operations will begin utilizing gas from the Central Battery.

Subsection D – Venting and flaring during production operations: Texas Standard shall not vent or flare natural gas during production operations except as allowed in 19.15.27.8 1,2,& 4 NMAC. Any gas that is flared during production operations will be reported pursuant to Paragraph (1) of Subsection (G) of 19.15.28.8 NMAC.

- Weekly AVO's will be performed on all facilities.
- Leaking thief hatches and pressure safety valves found during AVO's will be cleaned and properly re-sealed.
- All flares will be equipped with auto-ignition systems and continuous pilot operations.
- After a well is stabilized from liquid unloading, the well will be turned back into a collection system.
- All gas lift systems will be optimized to limit the amount of waste.
- All tanks will have automatic gauging equipment installed.

Subsection E – Performance standards: The production facilities that will be utilized by this well have been designed to handle in excess of the anticipated maximum throughput and are rated for pressures grater than the anticipated pressures. In addition, the facilities have been designed to minimize waste of natural gas.

The production storage tanks will be equipped with automated tank gauging system that reduces the need to open thief hatches on the tanks.

Texas Standard will install an anchored flare stack 100' away from the wellbore and production tanks that has an automatic ignitor and a continuous pilot that will combust any natural gas routed to the flare stack and is capable of handling 3 MMCFGPD. Any gas routed through the flare stack will be metered and will be reported pursuant to Paragraph (1) of Subsection G of 19.15.27.8 NMAC. Natural gas will not be vented except as allowed in 19.15.27.8. 1, 2, &4 NMAC.

Low bleed pilots in Pneumatic calves will be installed if necessary.

Texas Standard will utilize SCADA to monitor production and equipment as well as to shut in the wellbore in case of emergency or other situation that could result in gas being released to the atmosphere.

Should the sales line pressure reach the desired maximum operating pressure, the SCADA system will close the Emergency Shut Down Valve on the wellhead and send an alarm to production personnel. In the event the ESD valve failed to close, gas would be routed to the flare stack with a continuous pilot. Any flared gas would be metered.

Texas Standard shall conduct weekly AVO inspections consisting of visual inspections, listening for leaks and smelling for odors to confirm that all production equipment is operating properly and that there are no leaks or releases of natural gas except as allowed in Section D of 19.15.27.9 NMAC. The AVO inspection shall include the inspection of all components to identify defects and leaks. Any leaks that

are found shall be immediately repaired. Texas Standard shall keep record of an AVO inspection for at least 5 years and shall make such record available for inspection by the Division upon request.

Subsection F – Measurement or estimation of vented and flared natural gas: Texas Standard shall measure or estimate the volume of natural gas that it vents, flares or beneficially uses during drilling, completion, and production operations.

Texas Standard will install equipment to measure the volume of natural gas flared from the separation equipment described in Section VI above as well as the process piping and vapor recovery equipment. Metering equipment will also be installed to measure the volume of natural gas delivered to the custody transfer point.

If metering is not practical due to circumstances such as low flare rate or low pressure venting or flaring, Texas Standard shall estimate the volume of vented or flared natural gas using a verifiable methodology,

VIII. Best Management Practices to minimize venting during active and planned maintenance:

Texas Standard Will install an emergency shut down valve on the wellhead to close the well in the event of an abnormal low or high pressure occurrence on the flowline or within the facility.

Swabbing operations, if necessary, will be performed through the separation equipment described in Section VI above in a closed system.

If the tubing is to be pulled, the well will be killed and pulled in an overbalanced condition to increase the safety of personnel and reduce gas emissions.

Should a production vessel need to be worked on, the vessel will be bled down into the system to as low a pressure as is practical and then the vessel will be isolated by valve at the vessel to minimize the volume of gas to be bled off the vessel with none from the associated piping.

After downhole well maintenance, natural gas will be flared until it reaches pipeline specification.

Texas Standard shall verbally notify the division as soon as possible for any venting or flaring event that will exceed 500 MCF or otherwise qualifies as a major release and shall follow up the verbal notification with the filing of a Form C-129. On venting or flaring events that are less than 500 MCF, Texas Standard shall notify the division in writing by filing a Form C-129 within 15 days of the event.

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Received by OCD: 5/12/2023 1:21:52 PM

TEXAS STANDARD OIL

Project: Lea County, NM (NAD 83 - NME)
Site: State 9-16
Well: 3H
Wellbore: OH
Design: Plan 1 02-15-23
Rig: TBD

PHOENIX TECHNOLOGY SERVICES

Azimuths to Grid North
True North: -0.62°
Magnetic North: 6.71°
Magnetic Field
Strength: 47597.9nT
Dip Angle: 60.55°
Date: 2/15/2023
Model: MVHD

WELL DETAILS

+N/-S	+E/-W	Northing	Ground Level / Easting	Latitude	Longitude
0.00	0.00	664894.20	3873.00 / 838487.90	32° 49' 26.701052 N	103° 21' 57.650437 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00		
2	5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.000	0.00		KOP, Begin 2.00°/100' Build
3	5500.09	10.00	20.34	5497.55	40.82	15.13	2.00	20.340	40.65		Hold 10.00° Inc at 20.34° Azm
4	10023.73	10.00	20.34	9952.45	777.49	288.21	0.00	0.000	774.28		Begin 2.00°/100' Drop
5	10523.82	0.00	0.00	10450.00	818.32	303.35	2.00	180.000	814.93		Begin Vertical Hold
6	11453.59	0.00	0.00	11379.77	818.32	303.35	0.00	0.000	814.93		KOP2, Begin 10.00°/100' Build
7	12361.65	90.81	359.37	11952.67	1399.30	297.00	10.00	359.374	1395.95	FTP - State 9-16 3H	LP, Hold 90.81° Inc at 359.37° Azm
8	20097.78	90.81	359.37	11843.84	9134.20	212.50	0.00	0.000	9131.31	LTP/BHL - State 9-16 3H	TD at 20097.78

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
LTP/BHL - State 9-16 3H	11843.84	9134.20	212.50	674028.40	838700.40	32° 50' 57.052678 N	103° 21' 54.179512 W
FTP - State 9-16 3H	11952.67	1399.30	297.00	666293.50	838784.90	32° 49' 40.518397 N	103° 21' 54.020046 W

Map System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: New Mexico Eastern Zone

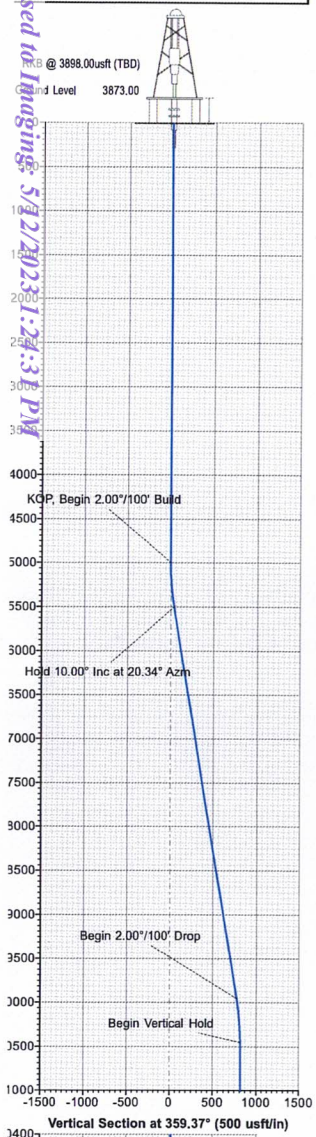
Local Origin: Well 3H, Grid North

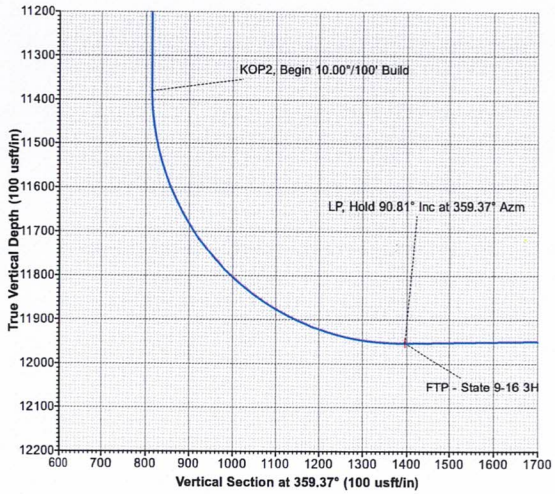
Latitude: 32° 49' 26.701052 N
Longitude: 103° 21' 57.650437 W

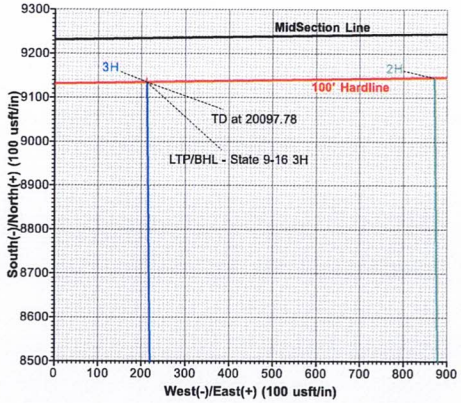
Grid East: 838487.90
Grid North: 664894.20
Scale Factor: 1.000

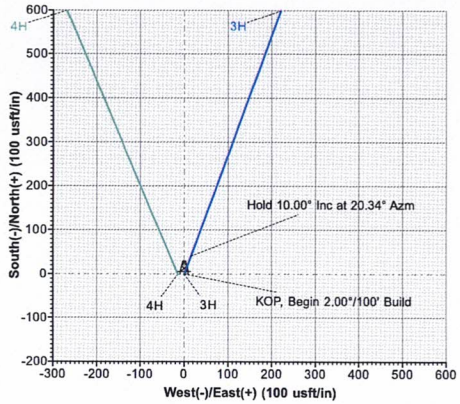
Geomagnetic Model: MVHD
Sample Date: 15-Feb-23
Magnetic Declination: 6.231°
Dip Angle from Horizontal: 60.554°
Magnetic Field Strength: 47597.88912823nT

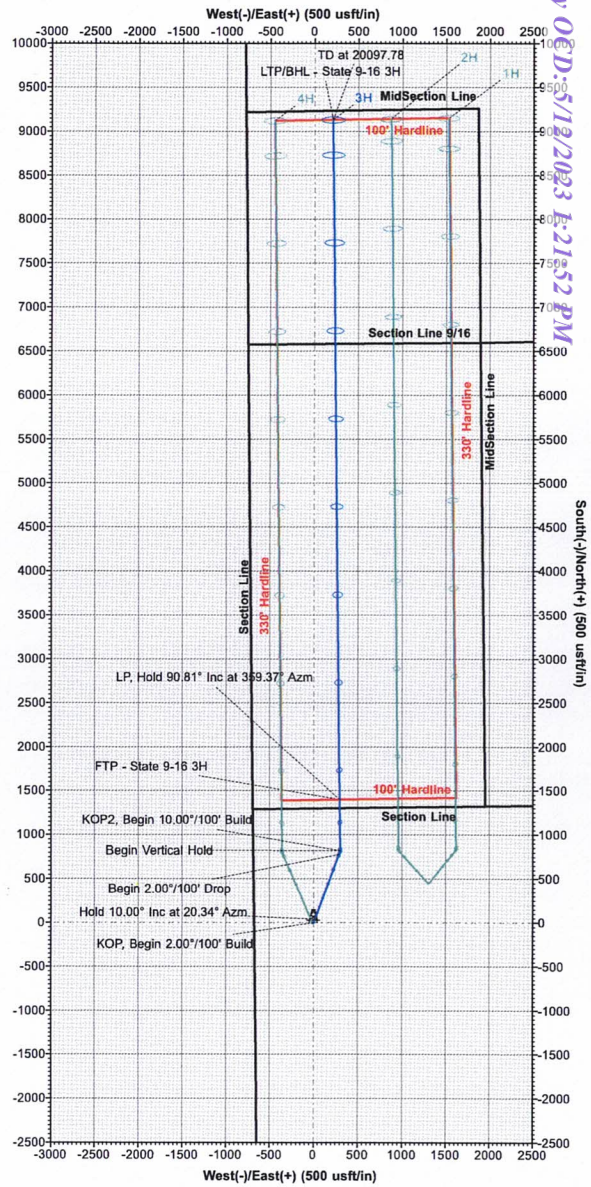
To convert a Magnetic Direction to a Grid Direction, Add 5.707°
To convert a Magnetic Direction to a True Direction, Add 6.231° East
To convert a True Direction to a Grid Direction, Subtract 0.524°

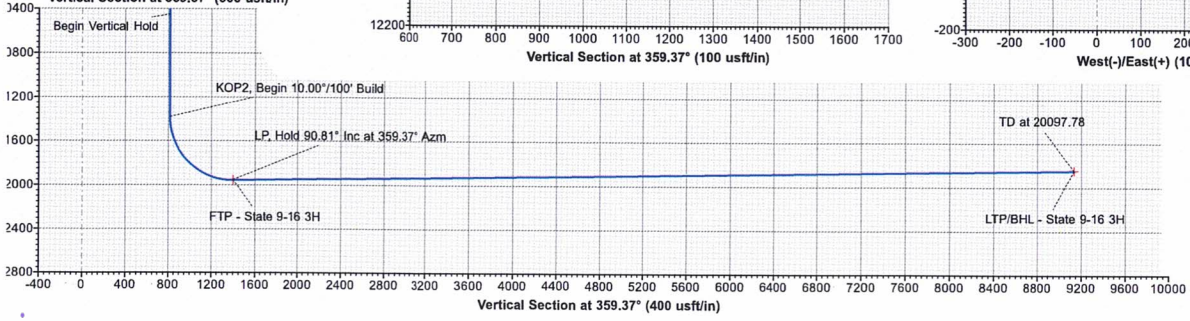












Date: 11:26, February 16, 2023

PHOENIX
TECHNOLOGY SERVICES

Texas Standard Oil

Lea County, NM (NAD 83 - NME)
State 9-16
3H

OH

Plan: Plan 1 02-15-23

Standard Planning Report

15 February, 2023

TEXAS STANDARD OIL

PHOENIX TECHNOLOGY SERVICES

Phoenix
Planning Report

TEXAS STANDARD OIL

Database:	USA Compass	**Local Co-ordinate Reference:**	Well 3H
Company:	Texas Standard Oil	**TVD Reference:**	RKB @ 3898.00usft (TBD)
Project:	Lea County, NM (NAD 83 - NME)	**MD Reference:**	RKB @ 3898.00usft (TBD)
Site:	State 9-16	**North Reference:**	Grid
Well:	3H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-15-23		

Project Lea County, NM (NAD 83 - NME)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site State 9-16

Site Position:		**Northing:**	665,353.30 usft	**Latitude:**	32° 49' 31.124007 N
From:	Map	**Easting:**	839,801.80 usft	**Longitude:**	103° 21' 42.205103 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.527 °

Well 3H

Well Position	**+N/-S**	-459.10 usft	**Northing:**	664,894.20 usft	**Latitude:**	32° 49' 26.701052 N
	+E/-W	-1,313.90 usft	**Easting:**	838,487.90 usft	**Longitude:**	103° 21' 57.650437 W
Position Uncertainty		1.00 usft	**Wellhead Elevation:**		**Ground Level:**	3,873.00 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	2/15/23	6.231	60.554	47,597.88912824

Design Plan 1 02-15-23

Audit Notes:

Version:	**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	359.37

Plan Survey Tool Program **Date** 2/15/23

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	20,097.78	Plan 1 02-15-23 (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	
5,500.09	10.00	20.34	5,497.55	40.82	15.13	2.00	2.00	0.00	20.340	
10,023.73	10.00	20.34	9,952.45	777.49	288.21	0.00	0.00	0.00	0.000	
10,523.82	0.00	0.00	10,450.00	818.32	303.35	2.00	-2.00	0.00	180.000	
11,453.59	0.00	0.00	11,379.77	818.32	303.35	0.00	0.00	0.00	0.000	
12,361.65	90.81	359.37	11,952.67	1,399.30	297.00	10.00	10.00	0.00	359.374	FTP - State 9-16 3H
20,097.78	90.81	359.37	11,843.84	9,134.20	212.50	0.00	0.00	0.00	0.000	LTP/BHL - State 9-1

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PHOENIX TECHNOLOGY SERVICES

Phoenix
Planning Report

TEXAS STANDARD OIL

Database:	USA Compass	**Local Co-ordinate Reference:**	Well 3H
Company:	Texas Standard Oil	**TVD Reference:**	RKB @ 3898.00usft (TBD)
Project:	Lea County, NM (NAD 83 - NME)	**MD Reference:**	RKB @ 3898.00usft (TBD)
Site:	State 9-16	**North Reference:**	Grid
Well:	3H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-15-23		

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
KOP, Begin 2.00°/100' Build									
5,100.00	2.00	20.34	5,099.98	1.64	0.61	1.63	2.00	2.00	0.00
5,200.00	4.00	20.34	5,199.84	6.54	2.43	6.52	2.00	2.00	0.00
5,300.00	6.00	20.34	5,299.45	14.72	5.45	14.65	2.00	2.00	0.00
5,400.00	8.00	20.34	5,398.70	26.14	9.69	26.03	2.00	2.00	0.00
5,500.00	10.00	20.34	5,497.47	40.81	15.13	40.64	2.00	2.00	0.00
5,500.09	10.00	20.34	5,497.55	40.82	15.13	40.65	2.00	2.00	0.00
Hold 10.00° Inc at 20.34° Azm									
5,600.00	10.00	20.34	5,595.95	57.09	21.16	56.86	0.00	0.00	0.00
5,700.00	10.00	20.34	5,694.43	73.38	27.20	73.08	0.00	0.00	0.00
5,800.00	10.00	20.34	5,792.91	89.66	33.24	89.29	0.00	0.00	0.00
5,900.00	10.00	20.34	5,891.39	105.95	39.27	105.51	0.00	0.00	0.00
6,000.00	10.00	20.34	5,989.87	122.23	45.31	121.73	0.00	0.00	0.00
6,100.00	10.00	20.34	6,088.35	138.52	51.35	137.95	0.00	0.00	0.00
6,200.00	10.00	20.34	6,186.83	154.80	57.38	154.16	0.00	0.00	0.00
6,300.00	10.00	20.34	6,285.31	171.09	63.42	170.38	0.00	0.00	0.00
6,400.00	10.00	20.34	6,383.79	187.37	69.46	186.60	0.00	0.00	0.00
6,500.00	10.00	20.34	6,482.27	203.66	75.50	202.82	0.00	0.00	0.00
6,600.00	10.00	20.34	6,580.75	219.94	81.53	219.03	0.00	0.00	0.00
6,700.00	10.00	20.34	6,679.23	236.23	87.57	235.25	0.00	0.00	0.00
6,800.00	10.00	20.34	6,777.71	252.51	93.61	251.47	0.00	0.00	0.00
6,900.00	10.00	20.34	6,876.19	268.80	99.64	267.69	0.00	0.00	0.00
7,000.00	10.00	20.34	6,974.67	285.08	105.68	283.90	0.00	0.00	0.00
7,100.00	10.00	20.34	7,073.15	301.37	111.72	300.12	0.00	0.00	0.00
7,200.00	10.00	20.34	7,171.63	317.65	117.75	316.34	0.00	0.00	0.00
7,300.00	10.00	20.34	7,270.11	333.94	123.79	332.56	0.00	0.00	0.00
7,400.00	10.00	20.34	7,368.59	350.22	129.83	348.77	0.00	0.00	0.00
7,500.00	10.00	20.34	7,467.07	366.51	135.86	364.99	0.00	0.00	0.00
7,600.00	10.00	20.34	7,565.55	382.79	141.90	381.21	0.00	0.00	0.00
7,700.00	10.00	20.34	7,664.03	399.08	147.94	397.43	0.00	0.00	0.00
7,800.00	10.00	20.34	7,762.51	415.36	153.97	413.64	0.00	0.00	0.00
7,900.00	10.00	20.34	7,860.99	431.65	160.01	429.86	0.00	0.00	0.00
8,000.00	10.00	20.34	7,959.47	447.93	166.05	446.08	0.00	0.00	0.00
8,100.00	10.00	20.34	8,057.95	464.22	172.08	462.30	0.00	0.00	0.00
8,200.00	10.00	20.34	8,156.43	480.50	178.12	478.51	0.00	0.00	0.00
8,300.00	10.00	20.34	8,254.91	496.79	184.16	494.73	0.00	0.00	0.00
8,400.00	10.00	20.34	8,353.39	513.07	190.19	510.95	0.00	0.00	0.00
8,500.00	10.00	20.34	8,451.87	529.36	196.23	527.17	0.00	0.00	0.00
8,600.00	10.00	20.34	8,550.35	545.64	202.27	543.38	0.00	0.00	0.00
8,700.00	10.00	20.34	8,648.83	561.93	208.30	559.60	0.00	0.00	0.00
8,800.00	10.00	20.34	8,747.31	578.21	214.34	575.82	0.00	0.00	0.00
8,900.00	10.00	20.34	8,845.79	594.49	220.38	592.04	0.00	0.00	0.00
9,000.00	10.00	20.34	8,944.27	610.78	226.41	608.25	0.00	0.00	0.00
9,100.00	10.00	20.34	9,042.75	627.06	232.45	624.47	0.00	0.00	0.00
9,200.00	10.00	20.34	9,141.23	643.35	238.49	640.69	0.00	0.00	0.00
9,300.00	10.00	20.34	9,239.72	659.63	244.52	656.91	0.00	0.00	0.00
9,400.00	10.00	20.34	9,338.20	675.92	250.56	673.12	0.00	0.00	0.00
9,500.00	10.00	20.34	9,436.68	692.20	256.60	689.34	0.00	0.00	0.00
9,600.00	10.00	20.34	9,535.16	708.49	262.63	705.56	0.00	0.00	0.00
9,700.00	10.00	20.34	9,633.64	724.77	268.67	721.78	0.00	0.00	0.00
9,800.00	10.00	20.34	9,732.12	741.06	274.71	737.99	0.00	0.00	0.00

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PHOENIX TECHNOLOGY SERVICES

Phoenix
Planning Report

TEXAS STANDARD OIL

Database:	USA Compass	**Local Co-ordinate Reference:**	Well 3H
Company:	Texas Standard Oil	**TVD Reference:**	RKB @ 3898.00usft (TBD)
Project:	Lea County, NM (NAD 83 - NME)	**MD Reference:**	RKB @ 3898.00usft (TBD)
Site:	State 9-16	**North Reference:**	Grid
Well:	3H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-15-23		

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)
9,900.00	10.00	20.34	9,830.60	757.34	280.74	754.21	0.00	0.00	0.00
10,000.00	10.00	20.34	9,929.08	773.63	286.78	770.43	0.00	0.00	0.00
10,023.73	10.00	20.34	9,952.45	777.49	288.21	774.28	0.00	0.00	0.00
Begin 2.00°/100' Drop									
10,100.00	8.48	20.34	10,027.72	788.97	292.47	785.71	2.00	-2.00	0.00
10,200.00	6.48	20.34	10,126.87	801.17	296.99	797.86	2.00	-2.00	0.00
10,300.00	4.48	20.34	10,226.41	810.12	300.31	806.77	2.00	-2.00	0.00
10,400.00	2.48	20.34	10,326.22	815.81	302.42	812.43	2.00	-2.00	0.00
10,500.00	0.48	20.34	10,426.18	818.22	303.31	814.84	2.00	-2.00	0.00
10,523.82	0.00	0.00	10,450.00	818.32	303.35	814.93	2.00	-2.00	0.00
Begin Vertical Hold									
11,453.59	0.00	0.00	11,379.77	818.32	303.35	814.93	0.00	0.00	0.00
KOP2, Begin 10.00°/100' Build									
11,500.00	4.64	359.37	11,426.13	820.20	303.33	816.81	10.00	10.00	0.00
11,600.00	14.64	359.37	11,524.59	836.92	303.14	833.54	10.00	10.00	0.00
11,700.00	24.64	359.37	11,618.65	870.49	302.78	867.11	10.00	10.00	0.00
11,800.00	34.64	359.37	11,705.46	919.88	302.24	916.50	10.00	10.00	0.00
11,900.00	44.64	359.37	11,782.37	983.59	301.54	980.22	10.00	10.00	0.00
12,000.00	54.64	359.37	11,847.04	1,059.69	300.71	1,056.32	10.00	10.00	0.00
12,100.00	64.64	359.37	11,897.52	1,145.86	299.77	1,142.50	10.00	10.00	0.00
12,200.00	74.64	359.37	11,932.26	1,239.49	298.75	1,236.13	10.00	10.00	0.00
12,300.00	84.64	359.37	11,950.22	1,337.73	297.67	1,334.38	10.00	10.00	0.00
12,361.65	90.81	359.37	11,952.67	1,399.30	297.00	1,395.95	10.00	10.00	0.00
LP, Hold 90.81° Inc at 359.37° Azm									
12,400.00	90.81	359.37	11,952.13	1,437.64	296.58	1,434.30	0.00	0.00	0.00
12,500.00	90.81	359.37	11,950.72	1,537.63	295.49	1,534.29	0.00	0.00	0.00
12,600.00	90.81	359.37	11,949.32	1,637.61	294.40	1,634.28	0.00	0.00	0.00
12,700.00	90.81	359.37	11,947.91	1,737.60	293.30	1,734.27	0.00	0.00	0.00
12,800.00	90.81	359.37	11,946.50	1,837.58	292.21	1,834.26	0.00	0.00	0.00
12,900.00	90.81	359.37	11,945.10	1,937.57	291.12	1,934.25	0.00	0.00	0.00
13,000.00	90.81	359.37	11,943.69	2,037.55	290.03	2,034.24	0.00	0.00	0.00
13,100.00	90.81	359.37	11,942.28	2,137.53	288.94	2,134.23	0.00	0.00	0.00
13,200.00	90.81	359.37	11,940.88	2,237.52	287.84	2,234.22	0.00	0.00	0.00
13,300.00	90.81	359.37	11,939.47	2,337.50	286.75	2,334.21	0.00	0.00	0.00
13,400.00	90.81	359.37	11,938.06	2,437.49	285.66	2,434.20	0.00	0.00	0.00
13,500.00	90.81	359.37	11,936.66	2,537.47	284.57	2,534.19	0.00	0.00	0.00
13,600.00	90.81	359.37	11,935.25	2,637.45	283.47	2,634.18	0.00	0.00	0.00
13,700.00	90.81	359.37	11,933.84	2,737.44	282.38	2,734.17	0.00	0.00	0.00
13,800.00	90.81	359.37	11,932.44	2,837.42	281.29	2,834.16	0.00	0.00	0.00
13,900.00	90.81	359.37	11,931.03	2,937.41	280.20	2,934.15	0.00	0.00	0.00
14,000.00	90.81	359.37	11,929.62	3,037.39	279.10	3,034.14	0.00	0.00	0.00
14,100.00	90.81	359.37	11,928.22	3,137.38	278.01	3,134.13	0.00	0.00	0.00
14,200.00	90.81	359.37	11,926.81	3,237.36	276.92	3,234.12	0.00	0.00	0.00
14,300.00	90.81	359.37	11,925.40	3,337.34	275.83	3,334.11	0.00	0.00	0.00
14,400.00	90.81	359.37	11,924.00	3,437.33	274.74	3,434.10	0.00	0.00	0.00
14,500.00	90.81	359.37	11,922.59	3,537.31	273.64	3,534.09	0.00	0.00	0.00
14,600.00	90.81	359.37	11,921.18	3,637.30	272.55	3,634.08	0.00	0.00	0.00
14,700.00	90.81	359.37	11,919.77	3,737.28	271.46	3,734.07	0.00	0.00	0.00
14,800.00	90.81	359.37	11,918.37	3,837.26	270.37	3,834.06	0.00	0.00	0.00
14,900.00	90.81	359.37	11,916.96	3,937.25	269.27	3,934.05	0.00	0.00	0.00
15,000.00	90.81	359.37	11,915.55	4,037.23	268.18	4,034.04	0.00	0.00	0.00
15,100.00	90.81	359.37	11,914.15	4,137.22	267.09	4,134.03	0.00	0.00	0.00
15,200.00	90.81	359.37	11,912.74	4,237.20	266.00	4,234.02	0.00	0.00	0.00

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PHOENIX TECHNOLOGY SERVICES

Phoenix
Planning Report

TEXAS STANDARD OIL

Database:	USA Compass	**Local Co-ordinate Reference:**	Well 3H
Company:	Texas Standard Oil	**TVD Reference:**	RKB @ 3898.00usft (TBD)
Project:	Lea County, NM (NAD 83 - NME)	**MD Reference:**	RKB @ 3898.00usft (TBD)
Site:	State 9-16	**North Reference:**	Grid
Well:	3H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-15-23		

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)
15,300.00	90.81	359.37	11,911.33	4,337.18	264.91	4,334.01	0.00	0.00	0.00
15,400.00	90.81	359.37	11,909.93	4,437.17	263.81	4,434.00	0.00	0.00	0.00
15,500.00	90.81	359.37	11,908.52	4,537.15	262.72	4,533.99	0.00	0.00	0.00
15,600.00	90.81	359.37	11,907.11	4,637.14	261.63	4,633.98	0.00	0.00	0.00
15,700.00	90.81	359.37	11,905.71	4,737.12	260.54	4,733.97	0.00	0.00	0.00
15,800.00	90.81	359.37	11,904.30	4,837.11	259.44	4,833.96	0.00	0.00	0.00
15,900.00	90.81	359.37	11,902.89	4,937.09	258.35	4,933.95	0.00	0.00	0.00
16,000.00	90.81	359.37	11,901.49	5,037.07	257.26	5,033.94	0.00	0.00	0.00
16,100.00	90.81	359.37	11,900.08	5,137.06	256.17	5,133.93	0.00	0.00	0.00
16,200.00	90.81	359.37	11,898.67	5,237.04	255.07	5,233.92	0.00	0.00	0.00
16,300.00	90.81	359.37	11,897.27	5,337.03	253.98	5,333.91	0.00	0.00	0.00
16,400.00	90.81	359.37	11,895.86	5,437.01	252.89	5,433.90	0.00	0.00	0.00
16,500.00	90.81	359.37	11,894.45	5,536.99	251.80	5,533.89	0.00	0.00	0.00
16,600.00	90.81	359.37	11,893.05	5,636.98	250.71	5,633.88	0.00	0.00	0.00
16,700.00	90.81	359.37	11,891.64	5,736.96	249.61	5,733.87	0.00	0.00	0.00
16,800.00	90.81	359.37	11,890.23	5,836.95	248.52	5,833.86	0.00	0.00	0.00
16,900.00	90.81	359.37	11,888.83	5,936.93	247.43	5,933.85	0.00	0.00	0.00
17,000.00	90.81	359.37	11,887.42	6,036.92	246.34	6,033.84	0.00	0.00	0.00
17,100.00	90.81	359.37	11,886.01	6,136.90	245.24	6,133.83	0.00	0.00	0.00
17,200.00	90.81	359.37	11,884.61	6,236.88	244.15	6,233.82	0.00	0.00	0.00
17,300.00	90.81	359.37	11,883.20	6,336.87	243.06	6,333.81	0.00	0.00	0.00
17,400.00	90.81	359.37	11,881.79	6,436.85	241.97	6,433.80	0.00	0.00	0.00
17,500.00	90.81	359.37	11,880.39	6,536.84	240.87	6,533.79	0.00	0.00	0.00
17,600.00	90.81	359.37	11,878.98	6,636.82	239.78	6,633.78	0.00	0.00	0.00
17,700.00	90.81	359.37	11,877.57	6,736.80	238.69	6,733.77	0.00	0.00	0.00
17,800.00	90.81	359.37	11,876.16	6,836.79	237.60	6,833.76	0.00	0.00	0.00
17,900.00	90.81	359.37	11,874.76	6,936.77	236.51	6,933.75	0.00	0.00	0.00
18,000.00	90.81	359.37	11,873.35	7,036.76	235.41	7,033.74	0.00	0.00	0.00
18,100.00	90.81	359.37	11,871.94	7,136.74	234.32	7,133.73	0.00	0.00	0.00
18,200.00	90.81	359.37	11,870.54	7,236.72	233.23	7,233.72	0.00	0.00	0.00
18,300.00	90.81	359.37	11,869.13	7,336.71	232.14	7,333.71	0.00	0.00	0.00
18,400.00	90.81	359.37	11,867.72	7,436.69	231.04	7,433.70	0.00	0.00	0.00
18,500.00	90.81	359.37	11,866.32	7,536.68	229.95	7,533.69	0.00	0.00	0.00
18,600.00	90.81	359.37	11,864.91	7,636.66	228.86	7,633.68	0.00	0.00	0.00
18,700.00	90.81	359.37	11,863.50	7,736.65	227.77	7,733.67	0.00	0.00	0.00
18,800.00	90.81	359.37	11,862.10	7,836.63	226.68	7,833.66	0.00	0.00	0.00
18,900.00	90.81	359.37	11,860.69	7,936.61	225.58	7,933.65	0.00	0.00	0.00
19,000.00	90.81	359.37	11,859.28	8,036.60	224.49	8,033.64	0.00	0.00	0.00
19,100.00	90.81	359.37	11,857.88	8,136.58	223.40	8,133.63	0.00	0.00	0.00
19,200.00	90.81	359.37	11,856.47	8,236.57	222.31	8,233.62	0.00	0.00	0.00
19,300.00	90.81	359.37	11,855.06	8,336.55	221.21	8,333.61	0.00	0.00	0.00
19,400.00	90.81	359.37	11,853.66	8,436.53	220.12	8,433.60	0.00	0.00	0.00
19,500.00	90.81	359.37	11,852.25	8,536.52	219.03	8,533.59	0.00	0.00	0.00
19,600.00	90.81	359.37	11,850.84	8,636.50	217.94	8,633.58	0.00	0.00	0.00
19,700.00	90.81	359.37	11,849.44	8,736.49	216.84	8,733.57	0.00	0.00	0.00
19,800.00	90.81	359.37	11,848.03	8,836.47	215.75	8,833.56	0.00	0.00	0.00
19,900.00	90.81	359.37	11,846.62	8,936.46	214.66	8,933.55	0.00	0.00	0.00
20,000.00	90.81	359.37	11,845.22	9,036.44	213.57	9,033.54	0.00	0.00	0.00
20,097.78	90.81	359.37	11,843.84	9,134.20	212.50	9,131.31	0.00	0.00	0.00
TD at 20097.78									

PHOENIX TECHNOLOGY SERVICES

Phoenix
Planning Report

TEXAS STANDARD OIL

Database:	USA Compass	**Local Co-ordinate Reference:**	Well 3H
Company:	Texas Standard Oil	**TVD Reference:**	RKB @ 3898.00usft (TBD)
Project:	Lea County, NM (NAD 83 - NME)	**MD Reference:**	RKB @ 3898.00usft (TBD)
Site:	State 9-16	**North Reference:**	Grid
Well:	3H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-15-23		

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
LTP/BHL - State 9-16 - plan hits target center - Point	0.00	0.00	11,843.84	9,134.20	212.50	674,028.40	838,700.40	32° 50' 57.052678 N	3° 21' 54.179512 W
FTP - State 9-16 3H - plan hits target center - Point	0.00	0.00	11,952.67	1,399.30	297.00	666,293.50	838,784.90	32° 49' 40.518398 N	3° 21' 54.020046 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
5,000.00	5,000.00	0.00	0.00	KOP, Begin 2.00°/100' Build
5,500.09	5,497.55	40.82	15.13	Hold 10.00° Inc at 20.34° Azm
10,023.73	9,952.45	777.49	288.21	Begin 2.00°/100' Drop
10,523.82	10,450.00	818.32	303.35	Begin Vertical Hold
11,453.59	11,379.77	818.32	303.35	KOP2, Begin 10.00°/100' Build
12,361.65	11,952.67	1,399.30	297.00	LP, Hold 90.81° Inc at 359.37° Azm
20,097.78	11,843.84	9,134.20	212.50	TD at 20097.78

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Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011

Permit 333763

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
Texas Standard Operating NM LLC 3300 North A Street Midland, TX 79705	329818
	3. API Number 30-025-51130

4. Property Code	5. Property Name	6. Well No.
333773	STATE 9 16	004H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	21	17S	36E	D	1295	N	660	W	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	9	17S	36E	L	2546	S	330	W	Lea

9. Pool Information

WC-025 G-09 S173615C;UPPER PENN	98333

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3873
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	20788	Upper Pennsylvanian Undesignated		3/1/2023
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	2100	1200	0
Int1	12.25	9.625	43.5	11400	2800	0
Prod	8.5	5.5	26	20788	3000	9100

Casing/Cement Program: Additional Comments

Casing grade for Intermediate 1 is HCP-110

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	Cameron
Annular	5000	2500	Shafer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.** Signature:		**OIL CONSERVATION DIVISION**	
Printed Name:	Electronically filed by Craig E Young	Approved By:	Paul F Kautz
Title:	VP Operations	Title:	Geologist
Email Address:	craig@txsoil.com	Approved Date:	2/27/2023
Date:	2/20/2023 Phone: 432-693-6674	Conditions of Approval Attached	Expiration Date: 2/27/2025

ATTACHMENT A-4

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
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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

1 API Number	2 Pool Code	3 Pool Name
30-025	98333	WC-025 G-09 S173615C; UPPER PENN

4 Property Code	5 Property Name	6 Well Number
	STATE 9-16	4H

7 OGRID NO.	8 Operator Name	9 Elevation
329818	TEXAS STANDARD OPERATING NM LLC	3873'

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
D	21	17S	36E		1295	NORTH	660	WEST	LEA

11 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
L	9	17S	36E		2546	SOUTH	330	WEST	LEA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
240			

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.

16

GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION (SL)
N: 664894.0 – E: 838472.8
LAT: 32.8240836° N
LONG: 103.3660632° W

FIRST TAKE POINT (FTP)
100' FSL–330' FWL (SEC.16)
N: 666283.9 – E: 838125.0
LAT: 32.8279119° N
LONG: 103.3671537° W

LAST TAKE POINT (LTP)
2546' FSL–330' FWL (SEC.9)
N: 674017.9 – E: 838040.6
LAT: 32.8491691° N
LONG: 103.3671985° W

BOTTOM HOLE (BH)
N: 674017.9 – E: 838040.6
LAT: 32.8491691° N
LONG: 103.3671985° W

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND 1/2" PIPE
N: 660889.5 – E: 837854.8

B: FOUND STONE
N: 663533.8 – E: 837830.5

C: FOUND 3/4"X1"X3" LIMESTONE ROCK
N: 666179.1 – E: 837796.3

D: FOUND 3" POST
N: 671469.6 – E: 837736.9

E: FOUND 1/2" REBAR
N: 674112.6 – E: 837709.6

F: FOUND 1/2" REBAR
N: 676757.6 – E: 837683.6

G: FOUND 1/2" REBAR W/ALUMINUM CAP "PIPER SURVEYING"
N: 676797.0 – E: 840330.4

H: FOUND NAIL
N: 676847.9 – E: 842973.0

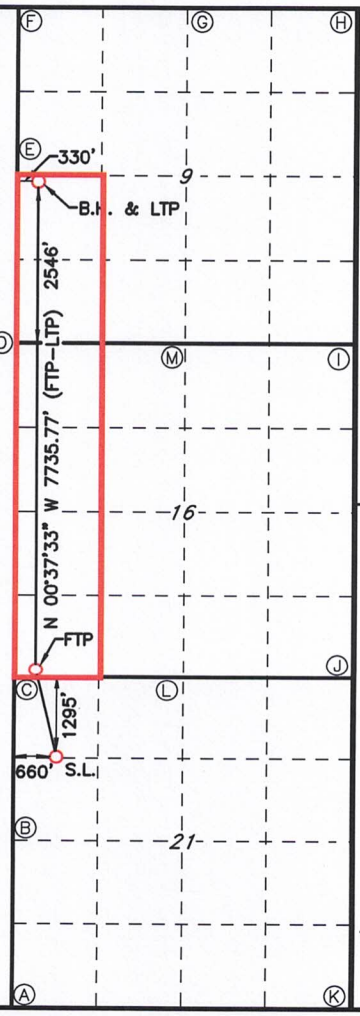
I: FOUND NAIL & WASHER "ILLEGIBLE"
N: 671545.6 – E: 843025.1

J: CALCULATED CORNER
N: 666250.0 – E: 843085.8

K: CALCULATED CORNER
N: 660954.4 – E: 843153.6

L: FOUND 10"X3"X6" LIMESTONE ROCK
N: 666217.6 – E: 840442.9

M: FOUND 6" POST
N: 671491.1 – E: 840380.2



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 January 30, 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.

10/13/2022
Date of Survey

Signature and Seal of Professional Surveyor:

DALE E. BELL
NEW MEXICO
14400
11/03/2022
PROFESSIONAL SURVEYOR

14400
Certificate Number

Job No: LS22101146

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Conditions

Permit 333763

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
Texas Standard Operating NM LLC [329818] 3300 North A Street Midland, TX 79705	30-025-51130
	Well: STATE 9 16 #004H

OCD Reviewer	Condition
pkautz	Notify OCD 24 hours prior to casing & cement
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing
pkautz	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: Texas Standard Operating NM LLC **OGRID:** 329818 **Date:** 1 / 31 / 22

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe:

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
State 9-16 #1H		C-21-17S-36E	855' FNL, 1995' FWL	1200	1250	1000
State 9-16 #2H		C-21-17S-36E	855' FNL, 1980' FWL	1200	1250	1000
State 9-16 #3H		D-21-17S-36E	1295' FNL, 675' FWL	1200	1250	1000
State 9-16 #4H		D-21-17S-36E	1295' FNL, 660' FWL	1200	1250	1000

IV. Central Delivery Point Name: State 9-16 CDP [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
State 9-16 #1H		5/1/23	6/12/23	9/19/23	11/24/23	11/24/23
State 9-16 #2H		6/14/23	7/18/23	9/19/23	11/24/23	11/24/23
State 9-16 #3H		7/22/23	8/24/23	10/7/23	12/10/23	12/10/23
State 9-16 #4H		8/26/23	9/26/23	10/7/23	12/10/23	12/10/23

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

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Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

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I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: Craig E Young
Printed Name: Craig E. Young
Title: Sr. VP Operations
E-mail Address: Craig@txsoil.com
Date: 2/1/23
Phone: 432-693-6674

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

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Texas Standard Operating NM LLC Natural Gas Management Plan

Section VI. Separation Equipment

These four wells will be drilled on 2, two well pads. Each pad will have a single battery and metering equipment for each well. It will be a new build facility.

- Separation equipment will be sized to provide adequate separation for anticipated rates.
- Separation equipment will allow for adequate retention time to allow gas and liquids to separate.
- Separation equipment will separate all three phases (Oil, Water, and Gas).
- Collection systems will be appropriately sized to handle facility production rates on all three phases.
- Ancillary equipment and metering is selected to be serviced without flow interruptions, or the need to release gas from the flow stream.

Section VII. Operational Practices as per 19.15.27.8 NMAC Subsections A through F

Subsection A: Texas Standard Operating NM LLC will maximize the recovery of natural gas and minimize the waste of natural gas by properly sizing and maintaining tanks, vessels, and related equipment including thief hatches, enardo valves, flares, and vapor recovery equipment. In all circumstances, Texas Standard shall flare rather than vent natural gas except when flaring is technically infeasible, or when flaring would result a risk to safe operations or personal safety.

Subsection B – Venting and flaring during drilling operations: Texas Standard will capture natural gas coming from the wellbore during drilling operations by routing any gas laden fluids through a mud gas separator with the gas then being routed to a flare stack located at least 100'from the wellbore. In addition, Texas Standard will be drilling the well with fluid sufficiently weighted to minimize the entry of natural gas into the wellbore. Any gas that is flared during the drilling operations will be reported pursuant to Paragraph (1) of Subsection G of 19.15.27.8 NMAC.

Subsection C – Venting and flaring during completion operations: After fracing, sand and the frac plugs will be cleaned out of the wellbore under controlled conditions (circulating 1 barrel in per 1 barrel out) that will reduce or eliminate the flow of gas to the atmosphere. After cleaning the well out, a packer with a rupture disk will be set by wireline. Tubing with gas lift valves will be installed. The rupture disk will then be burst and flowback will commence.

During the initial flowback after the frac job the fluids will go directly into storage tanks until there is sufficient pressure to function a separator at which point the fuids will go into a separator that will remove the gas from the fluid and send the metered gas to an on-site flare stack until it is feasible to route the gas to the inlet separator for this well at the battery.

As soon as it is practical, the produced fluids will be switched out of the flowback separator and into the flowline going directly to the inlet separator for this well and sale as soon as feasible.

Any gas flared during the completion operations will be reported pursuant to Paragraph (1) of Subsection G of 19.15.27.8 NMAC.

Once the well dies, or if the well will not flow, gas lift operations will begin utilizing gas from the Central Battery.

Subsection D – Venting and flaring during production operations: Texas Standard shall not vent or flare natural gas during production operations except as allowed in 19.15.27.8 1,2,& 4 NMAC. Any gas that is flared during production operations will be reported pursuant to Paragraph (1) of Subsection (G) of 19.15.28.8 NMAC.

- Weekly AVO's will be performed on all facilities.
- Leaking thief hatches and pressure safety valves found during AVO's will be cleaned and properly re-sealed.
- All flares will be equipped with auto-ignition systems and continuous pilot operations.
- After a well is stabilized from liquid unloading, the well will be turned back into a collection system.
- All gas lift systems will be optimized to limit the amount of waste.
- All tanks will have automatic gauging equipment installed.

Subsection E – Performance standards: The production facilities that will be utilized by this well have been designed to handle in excess of the anticipated maximum throughput and are rated for pressures grater than the anticipated pressures. In addition, the facilities have been designed to minimize waste of natural gas.

The production storage tanks will be equipped with automated tank gauging system that reduces the need to open thief hatches on the tanks.

Texas Standard will install an anchored flare stack 100' away from the wellbore and production tanks that has an automatic ignitor and a continuous pilot that will combust any natural gas routed to the flare stack and is capable of handling 3 MMCFGPD. Any gas routed through the flare stack will be metered and will be reported pursuant to Paragraph (1) of Subsection G of 19.15.27.8 NMAC. Natural gas will not be vented except as allowed in 19.15.27.8. 1, 2, &4 NMAC.

Low bleed pilots in Pneumatic calves will be installed if necessary.

Texas Standard will utilize SCADA to monitor production and equipment as well as to shut in the wellbore in case of emergency or other situation that could result in gas being released to the atmosphere.

Should the sales line pressure reach the desired maximum operating pressure, the SCADA system will close the Emergency Shut Down Valve on the wellhead and send an alarm to production personnel. In the event the ESD valve failed to close, gas would be routed to the flare stack with a continuous pilot. Any flared gas would be metered.

Texas Standard shall conduct weekly AVO inspections consisting of visual inspections, listening for leaks and smelling for odors to confirm that all production equipment is operating properly and that there are no leaks or releases of natural gas except as allowed in Section D of 19.15.27.9 NMAC. The AVO inspection shall include the inspection of all components to identify defects and leaks. Any leaks that

are found shall be immediately repaired. Texas Standard shall keep record of an AVO inspection for at least 5 years and shall make such record available for inspection by the Division upon request.

Subsection F – Measurement or estimation of vented and flared natural gas: Texas Standard shall measure or estimate the volume of natural gas that it vents, flares or beneficially uses during drilling, completion, and production operations.

Texas Standard will install equipment to measure the volume of natural gas flared from the separation equipment described in Section VI above as well as the process piping and vapor recovery equipment. Metering equipment will also be installed to measure the volume of natural gas delivered to the custody transfer point.

If metering is not practical due to circumstances such as low flare rate or low pressure venting or flaring, Texas Standard shall estimate the volume of vented or flared natural gas using a verifiable methodology,

VIII. Best Management Practices to minimize venting during active and planned maintenance:

Texas Standard Will install an emergency shut down valve on the wellhead to close the well in the event of an abnormal low or high pressure occurrence on the flowline or within the facility.

Swabbing operations, if necessary, will be performed through the separation equipment described in Section VI above in a closed system.

If the tubing is to be pulled, the well will be killed and pulled in an overbalanced condition to increase the safety of personnel and reduce gas emissions.

Should a production vessel need to be worked on, the vessel will be bled down into the system to as low a pressure as is practical and then the vessel will be isolated by valve at the vessel to minimize the volume of gas to be bled off the vessel with none from the associated piping.

After downhole well maintenance, natural gas will be flared until it reaches pipeline specification.

Texas Standard shall verbally notify the division as soon as possible for any venting or flaring event that will exceed 500 MCF or otherwise qualifies as a major release and shall follow up the verbal notification with the filing of a Form C-129. On venting or flaring events that are less than 500 MCF, Texas Standard shall notify the division in writing by filing a Form C-129 within 15 days of the event.

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TEXAS STANDARD OIL

Project: Lea County, NM (NAD 83 - NME)
Site: State 9-16
Well: 4H
Wellbore: OH
Design: Plan 1 02-15-23
Rig: TBD

PHOENIX TECHNOLOGY SERVICES

Azimuths to Grid North
True North: -0.52°
Magnetic North: 6.71°
Magnetic Field Strength: 47597.9nT
Dip Angle: 60.55°
Date: 2/15/2023
Model: MVHD

WELL DETAILS

+N/-S	+E/-W	Northing	Ground Level 3873.00 Easting	Latitude	Longitude
0.00	0.00	664894.00	838472.80	32° 49' 26.700440 N	103° 21' 57.827395 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSect	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00		
2	5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.000	0.00		KOP, Begin 2.00°/100' Build
3	5500.09	10.00	337.11	5497.56	40.11	-16.93	2.00	337.114	40.19		Hold 10.00° Inc at 337.11° Azm
4	10054.19	10.00	337.11	9982.44	768.81	-324.53	0.00	0.000	770.33		Begin 2.00°/100' Drop
5	10554.28	0.00	0.00	10480.00	808.92	-341.46	2.00	180.000	810.52		Begin Vertical Hold
6	11452.97	0.00	0.00	11378.69	808.92	-341.46	0.00	0.000	810.52		KOP2, Begin 10.00°/100' Build
7	12361.03	90.81	359.37	11951.59	1389.90	-347.80	10.00	359.375	1391.52	FTP - State 9-16 4H	LP, Hold 90.81° Inc at 359.37° Azm
8	20096.26	90.81	359.37	11842.77	9123.90	-432.20	0.00	0.000	9125.84	LTP/BHL - State 9-16 4H	TD at 20096.26

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
LTP/BHL - State 9-16 4H	11842.77	9123.90	-432.20	674017.90	838040.60	32° 50' 57.008574 N	103° 22' 1.914155 W
FTP - State 9-16 4H	11951.59	1389.90	-347.80	666283.90	838125.00	32° 49' 40.483175 N	103° 22' 1.753921 W

Map System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: New Mexico Eastern Zone

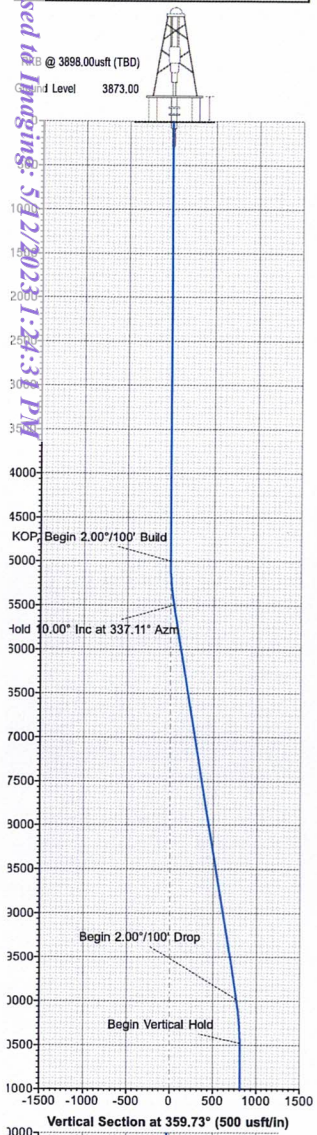
Local Origin: Well 4H, Grid North

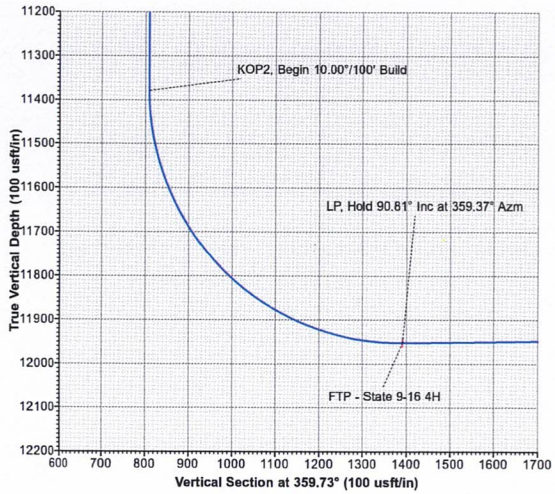
Latitude: 32° 49' 26.700440 N
Longitude: 103° 21' 57.827395 W

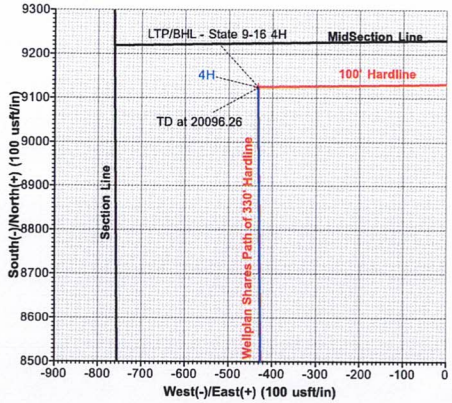
Grid East: 838472.80
Grid North: 664894.00
Scale Factor: 1.000

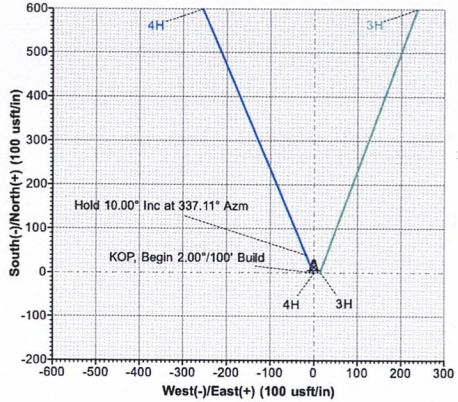
Geomagnetic Model: MVHD
Sample Date: 15-Feb-23
Magnetic Declination: 6.231°
Dip Angle from Horizontal: 60.554°
Magnetic Field Strength: 47597.88985029nT

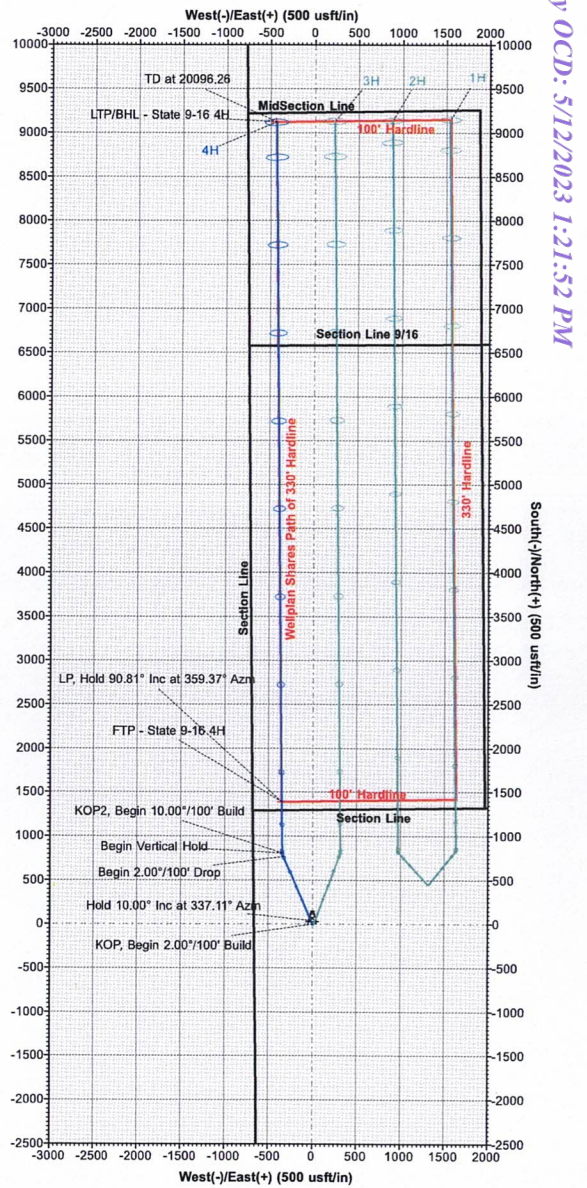
To convert a Magnetic Direction to a Grid Direction, Add 5.707°
To convert a Magnetic Direction to a True Direction, Add 6.231° East
To convert a True Direction to a Grid Direction, Subtract 0.524°

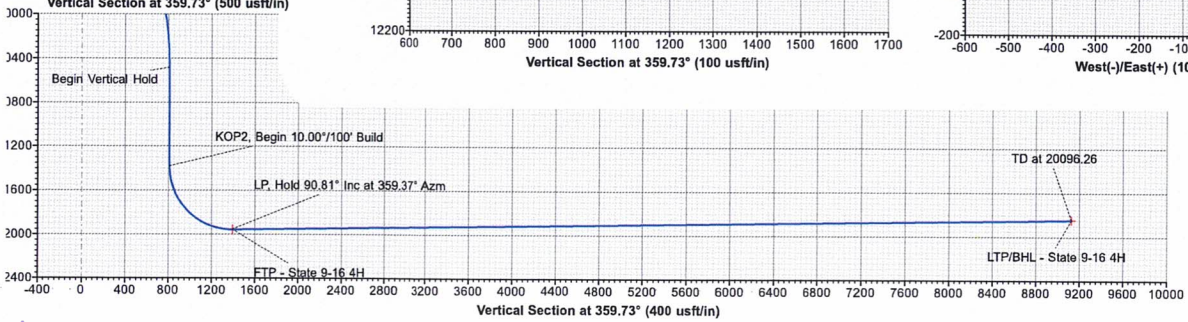












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Texas Standard Oil

Lea County, NM (NAD 83 - NME)
State 9-16
4H

OH

Plan: Plan 1 02-15-23

Standard Planning Report

15 February, 2023

TEXAS STANDARD OIL

PHOENIX TECHNOLOGY SERVICES

Phoenix
Planning Report

TEXAS STANDARD OIL

Database:	USA Compass	**Local Co-ordinate Reference:**	Well 4H
Company:	Texas Standard Oil	**TVD Reference:**	RKB @ 3898.00usft (TBD)
Project:	Lea County, NM (NAD 83 - NME)	**MD Reference:**	RKB @ 3898.00usft (TBD)
Site:	State 9-16	**North Reference:**	Grid
Well:	4H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-15-23		

Project Lea County, NM (NAD 83 - NME)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site State 9-16

Site Position:		**Northing:**	665,353.30 usft	**Latitude:**	32° 49' 31.124007 N
From:	Map	**Easting:**	839,801.80 usft	**Longitude:**	103° 21' 42.205103 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.527 °

Well 4H

Well Position	**+N/-S**	-459.30 usft	**Northing:**	664,894.00 usft	**Latitude:**	32° 49' 26.700440 N
	+E/-W	-1,329.00 usft	**Easting:**	838,472.80 usft	**Longitude:**	103° 21' 57.827395 W
Position Uncertainty		1.00 usft	**Wellhead Elevation:**		**Ground Level:**	3,873.00 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	2/15/23	6.231	60.554	47,597.88985029

Design Plan 1 02-15-23

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	359.73

Plan Survey Tool Program **Date** 2/15/23

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	20,096.26	Plan 1 02-15-23 (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	
5,500.09	10.00	337.11	5,497.56	40.11	-16.93	2.00	2.00	0.00	337.114	
10,054.19	10.00	337.11	9,982.44	768.81	-324.53	0.00	0.00	0.00	0.000	
10,554.28	0.00	0.00	10,480.00	808.92	-341.46	2.00	-2.00	0.00	180.000	
11,452.97	0.00	0.00	11,378.69	808.92	-341.46	0.00	0.00	0.00	0.000	
12,361.03	90.81	359.37	11,951.59	1,389.90	-347.80	10.00	10.00	0.00	359.375	FTP - State 9-16 4H
20,096.26	90.81	359.37	11,842.77	9,123.90	-432.20	0.00	0.00	0.00	0.000	LTP/BHL - State 9-16

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PHOENIX TECHNOLOGY SERVICES

Phoenix
Planning Report

TEXAS STANDARD OIL

Database:	USA Compass	**Local Co-ordinate Reference:**	Well 4H
Company:	Texas Standard Oil	**TVD Reference:**	RKB @ 3898.00usft (TBD)
Project:	Lea County, NM (NAD 83 - NME)	**MD Reference:**	RKB @ 3898.00usft (TBD)
Site:	State 9-16	**North Reference:**	Grid
Well:	4H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-15-23		

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
KOP, Begin 2.00°/100' Build									
5,100.00	2.00	337.11	5,099.98	1.61	-0.68	1.61	2.00	2.00	0.00
5,200.00	4.00	337.11	5,199.84	6.43	-2.71	6.44	2.00	2.00	0.00
5,300.00	6.00	337.11	5,299.45	14.46	-6.10	14.49	2.00	2.00	0.00
5,400.00	8.00	337.11	5,398.70	25.69	-10.84	25.74	2.00	2.00	0.00
5,500.00	10.00	337.11	5,497.47	40.10	-16.93	40.18	2.00	2.00	0.00
5,500.09	10.00	337.11	5,497.56	40.11	-16.93	40.19	2.00	2.00	0.00
Hold 10.00° Inc at 337.11° Azm									
5,600.00	10.00	337.11	5,595.95	56.10	-23.68	56.21	0.00	0.00	0.00
5,700.00	10.00	337.11	5,694.43	72.10	-30.43	72.24	0.00	0.00	0.00
5,800.00	10.00	337.11	5,792.91	88.10	-37.19	88.27	0.00	0.00	0.00
5,900.00	10.00	337.11	5,891.39	104.10	-43.94	104.31	0.00	0.00	0.00
6,000.00	10.00	337.11	5,989.87	120.10	-50.70	120.34	0.00	0.00	0.00
6,100.00	10.00	337.11	6,088.35	136.10	-57.45	136.37	0.00	0.00	0.00
6,200.00	10.00	337.11	6,186.83	152.10	-64.21	152.40	0.00	0.00	0.00
6,300.00	10.00	337.11	6,285.31	168.10	-70.96	168.44	0.00	0.00	0.00
6,400.00	10.00	337.11	6,383.79	184.10	-77.71	184.47	0.00	0.00	0.00
6,500.00	10.00	337.11	6,482.27	200.10	-84.47	200.50	0.00	0.00	0.00
6,600.00	10.00	337.11	6,580.75	216.11	-91.22	216.53	0.00	0.00	0.00
6,700.00	10.00	337.11	6,679.23	232.11	-97.98	232.57	0.00	0.00	0.00
6,800.00	10.00	337.11	6,777.71	248.11	-104.73	248.60	0.00	0.00	0.00
6,900.00	10.00	337.11	6,876.19	264.11	-111.49	264.63	0.00	0.00	0.00
7,000.00	10.00	337.11	6,974.67	280.11	-118.24	280.66	0.00	0.00	0.00
7,100.00	10.00	337.11	7,073.15	296.11	-124.99	296.70	0.00	0.00	0.00
7,200.00	10.00	337.11	7,171.63	312.11	-131.75	312.73	0.00	0.00	0.00
7,300.00	10.00	337.11	7,270.11	328.11	-138.50	328.76	0.00	0.00	0.00
7,400.00	10.00	337.11	7,368.59	344.11	-145.26	344.79	0.00	0.00	0.00
7,500.00	10.00	337.11	7,467.07	360.11	-152.01	360.83	0.00	0.00	0.00
7,600.00	10.00	337.11	7,565.55	376.11	-158.77	376.86	0.00	0.00	0.00
7,700.00	10.00	337.11	7,664.03	392.11	-165.52	392.89	0.00	0.00	0.00
7,800.00	10.00	337.11	7,762.51	408.12	-172.27	408.92	0.00	0.00	0.00
7,900.00	10.00	337.11	7,860.99	424.12	-179.03	424.96	0.00	0.00	0.00
8,000.00	10.00	337.11	7,959.47	440.12	-185.78	440.99	0.00	0.00	0.00
8,100.00	10.00	337.11	8,057.95	456.12	-192.54	457.02	0.00	0.00	0.00
8,200.00	10.00	337.11	8,156.43	472.12	-199.29	473.05	0.00	0.00	0.00
8,300.00	10.00	337.11	8,254.91	488.12	-206.05	489.09	0.00	0.00	0.00
8,400.00	10.00	337.11	8,353.39	504.12	-212.80	505.12	0.00	0.00	0.00
8,500.00	10.00	337.11	8,451.87	520.12	-219.55	521.15	0.00	0.00	0.00
8,600.00	10.00	337.11	8,550.35	536.12	-226.31	537.18	0.00	0.00	0.00
8,700.00	10.00	337.11	8,648.83	552.12	-233.06	553.22	0.00	0.00	0.00
8,800.00	10.00	337.11	8,747.31	568.12	-239.82	569.25	0.00	0.00	0.00
8,900.00	10.00	337.11	8,845.79	584.12	-246.57	585.28	0.00	0.00	0.00
9,000.00	10.00	337.11	8,944.27	600.13	-253.33	601.31	0.00	0.00	0.00
9,100.00	10.00	337.11	9,042.75	616.13	-260.08	617.35	0.00	0.00	0.00
9,200.00	10.00	337.11	9,141.23	632.13	-266.83	633.38	0.00	0.00	0.00
9,300.00	10.00	337.11	9,239.71	648.13	-273.59	649.41	0.00	0.00	0.00
9,400.00	10.00	337.11	9,338.19	664.13	-280.34	665.44	0.00	0.00	0.00
9,500.00	10.00	337.11	9,436.67	680.13	-287.10	681.48	0.00	0.00	0.00
9,600.00	10.00	337.11	9,535.15	696.13	-293.85	697.51	0.00	0.00	0.00
9,700.00	10.00	337.11	9,633.63	712.13	-300.60	713.54	0.00	0.00	0.00
9,800.00	10.00	337.11	9,732.11	728.13	-307.36	729.57	0.00	0.00	0.00

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PHOENIX TECHNOLOGY SERVICES

Phoenix
Planning Report

TEXAS STANDARD OIL

Database:	USA Compass	**Local Co-ordinate Reference:**	Well 4H
Company:	Texas Standard Oil	**TVD Reference:**	RKB @ 3898.00usft (TBD)
Project:	Lea County, NM (NAD 83 - NME)	**MD Reference:**	RKB @ 3898.00usft (TBD)
Site:	State 9-16	**North Reference:**	Grid
Well:	4H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-15-23		

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)
9,900.00	10.00	337.11	9,830.60	744.13	-314.11	745.60	0.00	0.00	0.00
10,000.00	10.00	337.11	9,929.08	760.13	-320.87	761.64	0.00	0.00	0.00
10,054.19	10.00	337.11	9,982.44	768.81	-324.53	770.33	0.00	0.00	0.00
Begin 2.00°/100' Drop									
10,100.00	9.09	337.11	10,027.62	775.80	-327.48	777.34	2.00	-2.00	0.00
10,200.00	7.09	337.11	10,126.62	788.76	-332.95	790.32	2.00	-2.00	0.00
10,300.00	5.09	337.11	10,226.05	798.53	-337.07	800.11	2.00	-2.00	0.00
10,400.00	3.09	337.11	10,325.79	805.09	-339.84	806.68	2.00	-2.00	0.00
10,500.00	1.09	337.11	10,425.72	808.44	-341.26	810.04	2.00	-2.00	0.00
10,554.28	0.00	0.00	10,480.00	808.92	-341.46	810.52	2.00	-2.00	0.00
Begin Vertical Hold									
11,452.97	0.00	0.00	11,378.69	808.92	-341.46	810.52	0.00	0.00	0.00
KOP2, Begin 10.00°/100' Build									
11,500.00	4.70	359.37	11,425.66	810.85	-341.48	812.45	10.00	10.00	0.00
11,600.00	14.70	359.37	11,524.11	827.68	-341.66	829.28	10.00	10.00	0.00
11,700.00	24.70	359.37	11,618.13	861.35	-342.03	862.95	10.00	10.00	0.00
11,800.00	34.70	359.37	11,704.88	910.83	-342.57	912.43	10.00	10.00	0.00
11,900.00	44.70	359.37	11,781.72	974.62	-343.27	976.23	10.00	10.00	0.00
12,000.00	54.70	359.37	11,846.32	1,050.79	-344.10	1,052.40	10.00	10.00	0.00
12,100.00	64.70	359.37	11,896.70	1,137.02	-345.04	1,138.63	10.00	10.00	0.00
12,200.00	74.70	359.37	11,931.35	1,230.69	-346.06	1,232.30	10.00	10.00	0.00
12,300.00	84.70	359.37	11,949.20	1,328.95	-347.13	1,330.57	10.00	10.00	0.00
12,361.03	90.81	359.37	11,951.59	1,389.90	-347.80	1,391.52	10.00	10.00	0.00
LP, Hold 90.81° Inc at 359.37° Azm									
12,400.00	90.81	359.37	11,951.04	1,428.86	-348.23	1,430.48	0.00	0.00	0.00
12,500.00	90.81	359.37	11,949.64	1,528.84	-349.32	1,530.47	0.00	0.00	0.00
12,600.00	90.81	359.37	11,948.23	1,628.83	-350.41	1,630.46	0.00	0.00	0.00
12,700.00	90.81	359.37	11,946.82	1,728.81	-351.50	1,730.45	0.00	0.00	0.00
12,800.00	90.81	359.37	11,945.41	1,828.80	-352.59	1,830.44	0.00	0.00	0.00
12,900.00	90.81	359.37	11,944.01	1,928.78	-353.68	1,930.43	0.00	0.00	0.00
13,000.00	90.81	359.37	11,942.60	2,028.76	-354.77	2,030.41	0.00	0.00	0.00
13,100.00	90.81	359.37	11,941.19	2,128.75	-355.86	2,130.40	0.00	0.00	0.00
13,200.00	90.81	359.37	11,939.79	2,228.73	-356.95	2,230.39	0.00	0.00	0.00
13,300.00	90.81	359.37	11,938.38	2,328.72	-358.05	2,330.38	0.00	0.00	0.00
13,400.00	90.81	359.37	11,936.97	2,428.70	-359.14	2,430.37	0.00	0.00	0.00
13,500.00	90.81	359.37	11,935.57	2,528.69	-360.23	2,530.35	0.00	0.00	0.00
13,600.00	90.81	359.37	11,934.16	2,628.67	-361.32	2,630.34	0.00	0.00	0.00
13,700.00	90.81	359.37	11,932.75	2,728.65	-362.41	2,730.33	0.00	0.00	0.00
13,800.00	90.81	359.37	11,931.35	2,828.64	-363.50	2,830.32	0.00	0.00	0.00
13,900.00	90.81	359.37	11,929.94	2,928.62	-364.59	2,930.31	0.00	0.00	0.00
14,000.00	90.81	359.37	11,928.53	3,028.61	-365.68	3,030.30	0.00	0.00	0.00
14,100.00	90.81	359.37	11,927.13	3,128.59	-366.77	3,130.28	0.00	0.00	0.00
14,200.00	90.81	359.37	11,925.72	3,228.57	-367.87	3,230.27	0.00	0.00	0.00
14,300.00	90.81	359.37	11,924.31	3,328.56	-368.96	3,330.26	0.00	0.00	0.00
14,400.00	90.81	359.37	11,922.91	3,428.54	-370.05	3,430.25	0.00	0.00	0.00
14,500.00	90.81	359.37	11,921.50	3,528.53	-371.14	3,530.24	0.00	0.00	0.00
14,600.00	90.81	359.37	11,920.09	3,628.51	-372.23	3,630.22	0.00	0.00	0.00
14,700.00	90.81	359.37	11,918.69	3,728.50	-373.32	3,730.21	0.00	0.00	0.00
14,800.00	90.81	359.37	11,917.28	3,828.48	-374.41	3,830.20	0.00	0.00	0.00
14,900.00	90.81	359.37	11,915.87	3,928.46	-375.50	3,930.19	0.00	0.00	0.00
15,000.00	90.81	359.37	11,914.47	4,028.45	-376.59	4,030.18	0.00	0.00	0.00
15,100.00	90.81	359.37	11,913.06	4,128.43	-377.69	4,130.17	0.00	0.00	0.00
15,200.00	90.81	359.37	11,911.65	4,228.42	-378.78	4,230.15	0.00	0.00	0.00

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PHOENIX TECHNOLOGY SERVICES

Phoenix
Planning Report

TEXAS STANDARD OIL

Database:	USA Compass	**Local Co-ordinate Reference:**	Well 4H
Company:	Texas Standard Oil	**TVD Reference:**	RKB @ 3898.00usft (TBD)
Project:	Lea County, NM (NAD 83 - NME)	**MD Reference:**	RKB @ 3898.00usft (TBD)
Site:	State 9-16	**North Reference:**	Grid
Well:	4H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-15-23		

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)
15,300.00	90.81	359.37	11,910.24	4,328.40	-379.87	4,330.14	0.00	0.00	0.00
15,400.00	90.81	359.37	11,908.84	4,428.38	-380.96	4,430.13	0.00	0.00	0.00
15,500.00	90.81	359.37	11,907.43	4,528.37	-382.05	4,530.12	0.00	0.00	0.00
15,600.00	90.81	359.37	11,906.02	4,628.35	-383.14	4,630.11	0.00	0.00	0.00
15,700.00	90.81	359.37	11,904.62	4,728.34	-384.23	4,730.09	0.00	0.00	0.00
15,800.00	90.81	359.37	11,903.21	4,828.32	-385.32	4,830.08	0.00	0.00	0.00
15,900.00	90.81	359.37	11,901.80	4,928.31	-386.41	4,930.07	0.00	0.00	0.00
16,000.00	90.81	359.37	11,900.40	5,028.29	-387.51	5,030.06	0.00	0.00	0.00
16,100.00	90.81	359.37	11,898.99	5,128.27	-388.60	5,130.05	0.00	0.00	0.00
16,200.00	90.81	359.37	11,897.58	5,228.26	-389.69	5,230.04	0.00	0.00	0.00
16,300.00	90.81	359.37	11,896.18	5,328.24	-390.78	5,330.02	0.00	0.00	0.00
16,400.00	90.81	359.37	11,894.77	5,428.23	-391.87	5,430.01	0.00	0.00	0.00
16,500.00	90.81	359.37	11,893.36	5,528.21	-392.96	5,530.00	0.00	0.00	0.00
16,600.00	90.81	359.37	11,891.96	5,628.19	-394.05	5,629.99	0.00	0.00	0.00
16,700.00	90.81	359.37	11,890.55	5,728.18	-395.14	5,729.98	0.00	0.00	0.00
16,800.00	90.81	359.37	11,889.14	5,828.16	-396.23	5,829.97	0.00	0.00	0.00
16,900.00	90.81	359.37	11,887.74	5,928.15	-397.33	5,929.95	0.00	0.00	0.00
17,000.00	90.81	359.37	11,886.33	6,028.13	-398.42	6,029.94	0.00	0.00	0.00
17,100.00	90.81	359.37	11,884.92	6,128.11	-399.51	6,129.93	0.00	0.00	0.00
17,200.00	90.81	359.37	11,883.52	6,228.10	-400.60	6,229.92	0.00	0.00	0.00
17,300.00	90.81	359.37	11,882.11	6,328.08	-401.69	6,329.91	0.00	0.00	0.00
17,400.00	90.81	359.37	11,880.70	6,428.07	-402.78	6,429.89	0.00	0.00	0.00
17,500.00	90.81	359.37	11,879.29	6,528.05	-403.87	6,529.88	0.00	0.00	0.00
17,600.00	90.81	359.37	11,877.89	6,628.04	-404.96	6,629.87	0.00	0.00	0.00
17,700.00	90.81	359.37	11,876.48	6,728.02	-406.05	6,729.86	0.00	0.00	0.00
17,800.00	90.81	359.37	11,875.07	6,828.00	-407.15	6,829.85	0.00	0.00	0.00
17,900.00	90.81	359.37	11,873.67	6,927.99	-408.24	6,929.84	0.00	0.00	0.00
18,000.00	90.81	359.37	11,872.26	7,027.97	-409.33	7,029.82	0.00	0.00	0.00
18,100.00	90.81	359.37	11,870.85	7,127.96	-410.42	7,129.81	0.00	0.00	0.00
18,200.00	90.81	359.37	11,869.45	7,227.94	-411.51	7,229.80	0.00	0.00	0.00
18,300.00	90.81	359.37	11,868.04	7,327.92	-412.60	7,329.79	0.00	0.00	0.00
18,400.00	90.81	359.37	11,866.63	7,427.91	-413.69	7,429.78	0.00	0.00	0.00
18,500.00	90.81	359.37	11,865.23	7,527.89	-414.78	7,529.76	0.00	0.00	0.00
18,600.00	90.81	359.37	11,863.82	7,627.88	-415.87	7,629.75	0.00	0.00	0.00
18,700.00	90.81	359.37	11,862.41	7,727.86	-416.97	7,729.74	0.00	0.00	0.00
18,800.00	90.81	359.37	11,861.01	7,827.85	-418.06	7,829.73	0.00	0.00	0.00
18,900.00	90.81	359.37	11,859.60	7,927.83	-419.15	7,929.72	0.00	0.00	0.00
19,000.00	90.81	359.37	11,858.19	8,027.81	-420.24	8,029.71	0.00	0.00	0.00
19,100.00	90.81	359.37	11,856.79	8,127.80	-421.33	8,129.69	0.00	0.00	0.00
19,200.00	90.81	359.37	11,855.38	8,227.78	-422.42	8,229.68	0.00	0.00	0.00
19,300.00	90.81	359.37	11,853.97	8,327.77	-423.51	8,329.67	0.00	0.00	0.00
19,400.00	90.81	359.37	11,852.57	8,427.75	-424.60	8,429.66	0.00	0.00	0.00
19,500.00	90.81	359.37	11,851.16	8,527.73	-425.69	8,529.65	0.00	0.00	0.00
19,600.00	90.81	359.37	11,849.75	8,627.72	-426.79	8,629.63	0.00	0.00	0.00
19,700.00	90.81	359.37	11,848.34	8,727.70	-427.88	8,729.62	0.00	0.00	0.00
19,800.00	90.81	359.37	11,846.94	8,827.69	-428.97	8,829.61	0.00	0.00	0.00
19,900.00	90.81	359.37	11,845.53	8,927.67	-430.06	8,929.60	0.00	0.00	0.00
20,000.00	90.81	359.37	11,844.12	9,027.66	-431.15	9,029.59	0.00	0.00	0.00
20,096.26	90.81	359.37	11,842.77	9,123.90	-432.20	9,125.84	0.00	0.00	0.00
TD at 20096.26									

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Planning Report

TEXAS STANDARD OIL

Database:	USA Compass	**Local Co-ordinate Reference:**	Well 4H
Company:	Texas Standard Oil	**TVD Reference:**	RKB @ 3898.00usft (TBD)
Project:	Lea County, NM (NAD 83 - NME)	**MD Reference:**	RKB @ 3898.00usft (TBD)
Site:	State 9-16	**North Reference:**	Grid
Well:	4H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 02-15-23		

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
LTP/BHL - State 9-16 - plan hits target center - Point	0.00	0.00	11,842.77	9,123.90	-432.20	674,017.90	838,040.60	32° 50' 57.008574 N	103° 22' 1.914155 W
FTP - State 9-16 4H - plan hits target center - Point	0.00	0.00	11,951.59	1,389.90	-347.80	666,283.90	838,125.00	32° 49' 40.483175 N	103° 22' 1.753921 W

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
20,096.26	11,842.77	20" Casing	20	24

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
5,000.00	5,000.00	0.00	0.00	KOP, Begin 2.00°/100' Build
5,500.09	5,497.56	40.11	-16.93	Hold 10.00° Inc at 337.11° Azm
10,054.19	9,982.44	768.81	-324.53	Begin 2.00°/100' Drop
10,554.28	10,480.00	808.92	-341.46	Begin Vertical Hold
11,452.97	11,378.69	808.92	-341.46	KOP2, Begin 10.00°/100' Build
12,361.03	11,951.59	1,389.90	-347.80	LP, Hold 90.81° Inc at 359.37° Azm
20,096.26	11,842.77	9,123.90	-432.20	TD at 20096.26

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