

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 285708

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

1. Operator Name and Address Texas Standard Operating NM LLC 3300 North A Street Midland, TX 79705		2. OGRID Number 329818
		3. API Number 30-025-47590
4. Property Code 329309	5. Property Name ALPHA DOG STATE	6. Well No. 004H

7. Surface Location

UL - Lot O	Section 10	Township 17S	Range 36E	Lot Idn O	Feet From 1000	N/S Line S	Feet From 2321	E/W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot O	Section 22	Township 17S	Range 36E	Lot Idn O	Feet From 50	N/S Line S	Feet From 2307	E/W Line E	County Lea
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9. Pool Information

WC-025 G-09 S1736100;UPPER PENN	98333
WC-025 G-09 S1736100;UPPER PENN	98333

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3851
16. Multiple Y	17. Proposed Depth 23406	18. Formation Upper Pennsylvanian Undesignated	19. Contractor	20. Spud Date
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	11100	2800	0
Prod	8.75	5.5	23	23406	3000	9100

Casing/Cement Program: Additional Comments

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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.	OIL CONSERVATION DIVISION	
Signature:		
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: 8/25/2020	Expiration Date: 8/25/2022
Date: 8/24/2020	Phone: 432-693-6674	Conditions of Approval Attached

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 98333	³ Pool Name WC-Upper Penn
⁴ Property Code	⁵ Property Name ALPHA DOG STATE	⁶ Well Number 4H
⁷ GRID NO. 329818	⁸ Operator Name TEXAS STANDARD OPERATING NM LLC	⁹ Elevation 3851'

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
0	10	17S	36E		1000	SOUTH	2321	EAST	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
0	22	17S	36E		50	SOUTH	2307	EAST	LEA

¹² Dedicated Acres 360	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

¹⁶ GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 672591.3 - E: 845993.6 LAT: 32.8450459° N LONG: 103.3413484° W FIRST TAKE POINT 400' FSL-2322' FEL (SEC.10) N: 671991.5 - E: 845999.0 LAT: 32.8433972° N LONG: 103.3413493° W CORNER DATA NAD 83 GRID - NM EAST A: CALCULATED CORNER N: 660954.4 - E: 843153.6 B: CALCULATED CORNER N: 666250.0 - E: 843085.8 C: FOUND NAIL & WASHER ILLEGIBLE N: 671545.6 - E: 843025.1 D: FOUND PK NAIL N: 676838.2 - E: 842964.4 E: FOUND 1/2" REBAR N: 676911.2 - E: 848271.9 F: CALCULATED CORNER N: 671610.8 - E: 848324.0 G: FOUND 14"x 3"x 6" LIMESTONE ROCK N: 668960.6 - E: 848356.9 H: FOUND 1/2" REBAR N: 666314.4 - E: 848370.1 I: FOUND 8"x 5"x 5" LIMESTONE ROCK N: 663664.3 - E: 848407.6 J: FOUND 9"x 4"x 1" LIMESTONE ROCK N: 661017.2 - E: 848432.4 K: FOUND 10"x 4"x 4" LIMESTONE ROCK N: 660985.5 - E: 845796.4 L: FOUND 10"x 4"x 8" LIMESTONE ROCK N: 666285.0 - E: 845731.7 M: FOUND 7"x 3"x 6" LIMESTONE ROCK N: 671588.8 - E: 845672.6		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. <i>Wayne Price</i> Signature Wayne Price-Price LLC Printed Name wayneprice@q.com E-mail Address Aug 18, 2020 Date 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. 07-26-2020 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number REV: 8-18-20 BHL/LTP	
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LS20070324R2

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⁷ GRID NO. 329818	⁸ Operator Name TEXAS STANDARD OPERATING NM LLC	⁹ Elevation 3851'

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0	10	17S	36E		1000	SOUTH	2321	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

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0	22	17S	36E		50	SOUTH	2307	EAST	LEA

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16 <u>GEODETIC DATA</u> NAD 83 GRID - NM EAST <u>SURFACE LOCATION</u> N: 672591.3 - E: 845993.6 LAT: 32.8450459° N LONG: 103.3413484° W <u>FIRST TAKE POINT</u> 400' FSL-2322' FEL (SEC.10) N: 671991.5 - E: 845999.0 LAT: 32.8433972° N LONG: 103.3413493° W <u>CORNER DATA</u> NAD 83 GRID - NM EAST A: CALCULATED CORNER N: 660954.4 - E: 843153.6 B: CALCULATED CORNER N: 666250.0 - E: 843085.8 C: FOUND NAIL & WASHER ILLEGIBLE N: 671545.6 - E: 843025.1 D: FOUND PK NAIL N: 676838.2 - E: 842964.4 E: FOUND 1/2" REBAR N: 676911.2 - E: 848271.9 F: CALCULATED CORNER N: 671610.8 - E: 848324.0 G: FOUND 14"x 3"x 6" LIMESTONE ROCK N: 668960.6 - E: 848356.9 H: FOUND 1/2" REBAR N: 666314.4 - E: 848370.1 I: FOUND 8"x 5"x 5" LIMESTONE ROCK N: 663664.3 - E: 848407.6 J: FOUND 9"x 4"x 1" LIMESTONE ROCK N: 661017.2 - E: 848432.4 K: FOUND 10"x 4"x 4" LIMESTONE ROCK N: 660985.5 - E: 845796.4 L: FOUND 10"x 4"x 8" LIMESTONE ROCK N: 666285.0 - E: 845731.7 M: FOUND 7"x 3"x 6" LIMESTONE ROCK N: 671588.8 - E: 845672.6	<i>S 89°12'42" W 5308.82'</i> <i>N 00°39'25" W 5283.75'</i> <i>N 00°33'51" W 5301.53'</i> <i>S 89°03'56" W 2648.30'</i> <i>S 89°31'31" W 2651.97'</i> <i>S 89°14'36" W 2646.59'</i> <i>S 89°21'36" W 2638.96'</i> <i>N 00°44'00" W 5296.93'</i> <i>N 00°39'25" W 5296.80'</i> <i>N 00°17'12" W 2646.63'</i> <i>N 00°18'41" W 2650.84'</i> <i>S 89°19'33" W 2643.41'</i> <i>S 89°18'40" W 2636.60'</i>	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. <i>Wayne Price</i> Signature Wayne Price-Price LLC Printed Name wayneprice@q.com E-mail Address Aug 18, 2020 Date 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. 07-26-2020 Date of Survey <i>Robert M. Howett</i> Signature and Seal of Professional Surveyor 19680 Certificate Number REV: 8-18-20 BHL/LTP
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GAS CAPTURE PLAN

Date: 8/25/2020

☒ Original

Operator & OGRID No.: [329818] Texas Standard Operating NM LLC

☐ Amended - Reason for
Amendment: _____

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
ALPHA DOG STATE #004H	30-025-47590	O-10-17S-36E	1000S 2321E	49	Vented	GAS WILL BE FLARED FOR SHORT TIME UNTIL CONNECTION

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to TARGA MIDSTREAM SERVICES LLC and will be connected to TARGA MIDSTREAM SERVICES LLC Low Pressure gathering system located in Lea County, New Mexico. It will require 0' of pipeline to connect the facility to Low Pressure gathering system. Texas Standard Operating NM LLC provides (periodically) to TARGA MIDSTREAM SERVICES LLC a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Texas Standard Operating NM LLC and TARGA MIDSTREAM SERVICES LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at TARGA MIDSTREAM SERVICES LLC Processing Plant located in Sec. 09, Twn. 16S, Rng. 35E, Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on TARGA MIDSTREAM SERVICES LLC system at that time. Based on current information, it is Texas Standard Operating NM LLC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
 - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
 - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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Form APD Comments

Permit 285708

PERMIT COMMENTS

Operator Name and Address: Texas Standard Operating NM LLC [329818] 3300 North A Street Midland, TX 79705		API Number: 30-025-47590
		Well: ALPHA DOG STATE #004H
Created By	Comment	Comment Date

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Form APD Conditions

Permit 285708

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: Texas Standard Operating NM LLC [329818] 3300 North A Street Midland, TX 79705	API Number: 30-025-47590
	Well: ALPHA DOG STATE #004H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD. If an APD expires and if site construction has occurred, site remediation is required.
pkautz	Stage Tool 1) Must notify OCD Hobbs Office prior to running Stage Tool at 5753703186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.

Project: Lea County, NM (NAD 83 NME)

Site: Alpha Dog State

Well: #4H

Wellbore: OH

Design: Plan #1

TEXAS STANDARD OIL
LLC

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983

Datum: North American Datum 1983

Ellipsoid: GRS 1980

Zone: New Mexico Eastern Zone



Azimuths to Grid North

True North: -0.54°

Magnetic North: 5.98°

Magnetic Field

Strength: 47880.8nT

Dip Angle: 60.65°

Date: 8/10/2020

Model: HDGM

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
SHL (Alpha Dog State #4H)	0.00	0.00	0.00	672591.30	845993.60
FTP (Alpha Dog State #4H)	12100.00	-599.80	5.40	671991.50	845999.00
LTP (Alpha Dog State #4H)	12100.00-11451.60	130.90	661139.70	846124.50	
PBHL (Alpha Dog State #4H)	12100.00-11551.60	132.10	661039.70	846125.70	

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11527.04	0.00	0.00	11527.04	0.00	0.00	0.00	0.00	0.00
12427.04	90.00	179.34	12100.00	-572.92	6.55	10.00	179.34	572.96
23406.44	90.00	179.34	12100.00	-11551.60	132.10	0.00	0.00	11552.36

Start Build 10.00

Start 10979.40 hold at 12427.04 MD

FTP (Alpha Dog State #4H)

LTP (Alpha Dog State #4H)

PBHL (Alpha Dog State #4H)

TD at 23406.44

PBHL (Alpha Dog State #4H)

12102

12103

12100

Alpha Dog State #4H/Plan #1

Alpha Dog State #4H/Plan #1

Alpha Dog State #4H/Plan #1

Vertical Section at 179.34° (2500 usft/in)

West(-)/East(+) (2000 usft/in)

-4000

-2000

0

1500

0

-1500

-3000

-4500

-6000

-7500

-9000

-10500

-12000

South(-)/North(+) (1500 usft/in)

Section 10

SHL (Alpha Dog State #4H)

FTP (Alpha Dog State #4H)

12103

Alpha Dog State #7H/Plan #1

Section 15

Section 22

Texas Standard Oil

Lea County, NM (NAD 83 NME)

Alpha Dog State

#4H

OH

Plan: Plan #1

Standard Planning Report

24 August, 2020

LEAM Drilling Systems

Planning Report

Database:	LEAM Multi_User Db	Local Co-ordinate Reference:	Well #4H
Company:	Texas Standard Oil	TVD Reference:	GE 3851' + KB 25' @ 3876.00usft (TBD)
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	GE 3851' + KB 25' @ 3876.00usft (TBD)
Site:	Alpha Dog State	North Reference:	Grid
Well:	#4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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	Alpha Dog State					
Site Position:		Northing:	672,607.80 usft	Latitude:	32° 50' 42.143 N	
From:	Map	Easting:	847,984.30 usft	Longitude:	103° 20' 5.521 W	
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.54

Well	#4H					
Well Position	+N/-S	-16.50 usft	Northing:	672,591.30 usft	Latitude:	32° 50' 42.165 N
	+E/-W	-1,990.70 usft	Easting:	845,993.60 usft	Longitude:	103° 20' 28.855 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,851.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	8/10/2020	6.52	60.65	47,880.80000000

Design	Plan #1			
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	179.34

Plan Survey Tool Program	Date	8/24/2020		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	23,406.44 Plan #1 (OH)	LEAM MWD + HDGM	
			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	0.00	
11,527.04	0.00	0.00	11,527.04	0.00	0.00	0.00	0.00	0.00	0.00	
12,427.04	90.00	179.34	12,100.00	-572.92	6.55	10.00	10.00	0.00	179.34	
23,406.44	90.00	179.34	12,100.00	-11,551.60	132.10	0.00	0.00	0.00	0.00	PBHL (Alpha Dog Sta

LEAM Drilling Systems

Planning Report

Database:	LEAM Multi_User Db	Local Co-ordinate Reference:	Well #4H
Company:	Texas Standard Oil	TVD Reference:	GE 3851' + KB 25' @ 3876.00usft (TBD)
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	GE 3851' + KB 25' @ 3876.00usft (TBD)
Site:	Alpha Dog State	North Reference:	Grid
Well:	#4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	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
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00

LEAM Drilling Systems

Planning Report

Database:	LEAM Multi_User Db	Local Co-ordinate Reference:	Well #4H
Company:	Texas Standard Oil	TVD Reference:	GE 3851' + KB 25' @ 3876.00usft (TBD)
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	GE 3851' + KB 25' @ 3876.00usft (TBD)
Site:	Alpha Dog State	North Reference:	Grid
Well:	#4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00
10,000.00	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00
10,100.00	0.00	0.00	10,100.00	0.00	0.00	0.00	0.00	0.00	0.00
10,200.00	0.00	0.00	10,200.00	0.00	0.00	0.00	0.00	0.00	0.00
10,300.00	0.00	0.00	10,300.00	0.00	0.00	0.00	0.00	0.00	0.00
10,400.00	0.00	0.00	10,400.00	0.00	0.00	0.00	0.00	0.00	0.00
10,500.00	0.00	0.00	10,500.00	0.00	0.00	0.00	0.00	0.00	0.00
10,600.00	0.00	0.00	10,600.00	0.00	0.00	0.00	0.00	0.00	0.00
10,700.00	0.00	0.00	10,700.00	0.00	0.00	0.00	0.00	0.00	0.00

LEAM Drilling Systems

Planning Report

Database:	LEAM Multi_User Db	Local Co-ordinate Reference:	Well #4H
Company:	Texas Standard Oil	TVD Reference:	GE 3851' + KB 25' @ 3876.00usft (TBD)
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	GE 3851' + KB 25' @ 3876.00usft (TBD)
Site:	Alpha Dog State	North Reference:	Grid
Well:	#4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)	
10,800.00	0.00	0.00	10,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
10,900.00	0.00	0.00	10,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
11,000.00	0.00	0.00	11,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
11,100.00	0.00	0.00	11,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
11,200.00	0.00	0.00	11,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
11,300.00	0.00	0.00	11,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
11,400.00	0.00	0.00	11,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
11,500.00	0.00	0.00	11,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
11,527.04	0.00	0.00	11,527.04	0.00	0.00	0.00	0.00	0.00	0.00	
11,550.00	2.30	179.34	11,549.99	-0.46	0.01	0.46	10.00	10.00	0.00	
11,600.00	7.30	179.34	11,599.80	-4.64	0.05	4.64	10.00	10.00	0.00	
11,650.00	12.30	179.34	11,649.06	-13.14	0.15	13.14	10.00	10.00	0.00	
11,700.00	17.30	179.34	11,697.39	-25.91	0.30	25.91	10.00	10.00	0.00	
11,750.00	22.30	179.34	11,744.42	-42.83	0.49	42.84	10.00	10.00	0.00	
11,800.00	27.30	179.34	11,789.79	-63.79	0.73	63.80	10.00	10.00	0.00	
11,850.00	32.30	179.34	11,833.17	-88.63	1.01	88.64	10.00	10.00	0.00	
11,900.00	37.30	179.34	11,874.21	-117.15	1.34	117.16	10.00	10.00	0.00	
11,950.00	42.30	179.34	11,912.62	-149.14	1.71	149.15	10.00	10.00	0.00	
12,000.00	47.30	179.34	11,948.09	-184.36	2.11	184.37	10.00	10.00	0.00	
12,050.00	52.30	179.34	11,980.35	-222.53	2.54	222.55	10.00	10.00	0.00	
12,100.00	57.30	179.34	12,009.17	-263.37	3.01	263.39	10.00	10.00	0.00	
12,150.00	62.30	179.34	12,034.32	-306.57	3.51	306.59	10.00	10.00	0.00	
12,200.00	67.30	179.34	12,055.60	-351.79	4.02	351.81	10.00	10.00	0.00	
12,250.00	72.30	179.34	12,072.86	-398.69	4.56	398.72	10.00	10.00	0.00	
12,300.00	77.30	179.34	12,085.97	-446.92	5.11	446.95	10.00	10.00	0.00	
12,350.00	82.30	179.34	12,094.83	-496.12	5.67	496.15	10.00	10.00	0.00	
12,400.00	87.30	179.34	12,099.36	-545.89	6.24	545.93	10.00	10.00	0.00	
12,427.04	90.00	179.34	12,100.00	-572.92	6.55	572.96	10.00	10.00	0.00	
12,500.00	90.00	179.34	12,100.00	-645.87	7.39	645.92	0.00	0.00	0.00	
12,600.00	90.00	179.34	12,100.00	-745.87	8.53	745.92	0.00	0.00	0.00	
12,700.00	90.00	179.34	12,100.00	-845.86	9.67	845.92	0.00	0.00	0.00	
12,800.00	90.00	179.34	12,100.00	-945.85	10.82	945.92	0.00	0.00	0.00	
12,900.00	90.00	179.34	12,100.00	-1,045.85	11.96	1,045.92	0.00	0.00	0.00	
13,000.00	90.00	179.34	12,100.00	-1,145.84	13.10	1,145.92	0.00	0.00	0.00	
13,100.00	90.00	179.34	12,100.00	-1,245.83	14.25	1,245.92	0.00	0.00	0.00	
13,200.00	90.00	179.34	12,100.00	-1,345.83	15.39	1,345.92	0.00	0.00	0.00	
13,300.00	90.00	179.34	12,100.00	-1,445.82	16.53	1,445.92	0.00	0.00	0.00	
13,400.00	90.00	179.34	12,100.00	-1,545.81	17.68	1,545.92	0.00	0.00	0.00	
13,500.00	90.00	179.34	12,100.00	-1,645.81	18.82	1,645.92	0.00	0.00	0.00	
13,600.00	90.00	179.34	12,100.00	-1,745.80	19.96	1,745.92	0.00	0.00	0.00	
13,700.00	90.00	179.34	12,100.00	-1,845.79	21.11	1,845.92	0.00	0.00	0.00	
13,800.00	90.00	179.34	12,100.00	-1,945.79	22.25	1,945.92	0.00	0.00	0.00	
13,900.00	90.00	179.34	12,100.00	-2,045.78	23.39	2,045.92	0.00	0.00	0.00	
14,000.00	90.00	179.34	12,100.00	-2,145.78	24.54	2,145.92	0.00	0.00	0.00	
14,100.00	90.00	179.34	12,100.00	-2,245.77	25.68	2,245.92	0.00	0.00	0.00	
14,200.00	90.00	179.34	12,100.00	-2,345.76	26.83	2,345.92	0.00	0.00	0.00	
14,300.00	90.00	179.34	12,100.00	-2,445.76	27.97	2,445.92	0.00	0.00	0.00	
14,400.00	90.00	179.34	12,100.00	-2,545.75	29.11	2,545.92	0.00	0.00	0.00	
14,500.00	90.00	179.34	12,100.00	-2,645.74	30.26	2,645.92	0.00	0.00	0.00	
14,600.00	90.00	179.34	12,100.00	-2,745.74	31.40	2,745.92	0.00	0.00	0.00	
14,700.00	90.00	179.34	12,100.00	-2,845.73	32.54	2,845.92	0.00	0.00	0.00	
14,800.00	90.00	179.34	12,100.00	-2,945.72	33.69	2,945.92	0.00	0.00	0.00	
14,900.00	90.00	179.34	12,100.00	-3,045.72	34.83	3,045.92	0.00	0.00	0.00	
15,000.00	90.00	179.34	12,100.00	-3,145.71	35.97	3,145.92	0.00	0.00	0.00	

LEAM Drilling Systems

Planning Report

Database:	LEAM Multi_User Db	Local Co-ordinate Reference:	Well #4H
Company:	Texas Standard Oil	TVD Reference:	GE 3851' + KB 25' @ 3876.00usft (TBD)
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	GE 3851' + KB 25' @ 3876.00usft (TBD)
Site:	Alpha Dog State	North Reference:	Grid
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Wellbore:	OH		
Design:	Plan #1		

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)	
15,100.00	90.00	179.34	12,100.00	-3,245.70	37.12	3,245.92	0.00	0.00	0.00	
15,200.00	90.00	179.34	12,100.00	-3,345.70	38.26	3,345.92	0.00	0.00	0.00	
15,300.00	90.00	179.34	12,100.00	-3,445.69	39.40	3,445.92	0.00	0.00	0.00	
15,400.00	90.00	179.34	12,100.00	-3,545.68	40.55	3,545.92	0.00	0.00	0.00	
15,500.00	90.00	179.34	12,100.00	-3,645.68	41.69	3,645.92	0.00	0.00	0.00	
15,600.00	90.00	179.34	12,100.00	-3,745.67	42.83	3,745.92	0.00	0.00	0.00	
15,700.00	90.00	179.34	12,100.00	-3,845.66	43.98	3,845.92	0.00	0.00	0.00	
15,800.00	90.00	179.34	12,100.00	-3,945.66	45.12	3,945.92	0.00	0.00	0.00	
15,900.00	90.00	179.34	12,100.00	-4,045.65	46.26	4,045.92	0.00	0.00	0.00	
16,000.00	90.00	179.34	12,100.00	-4,145.64	47.41	4,145.92	0.00	0.00	0.00	
16,100.00	90.00	179.34	12,100.00	-4,245.64	48.55	4,245.92	0.00	0.00	0.00	
16,200.00	90.00	179.34	12,100.00	-4,345.63	49.70	4,345.92	0.00	0.00	0.00	
16,300.00	90.00	179.34	12,100.00	-4,445.63	50.84	4,445.92	0.00	0.00	0.00	
16,400.00	90.00	179.34	12,100.00	-4,545.62	51.98	4,545.92	0.00	0.00	0.00	
16,500.00	90.00	179.34	12,100.00	-4,645.61	53.13	4,645.92	0.00	0.00	0.00	
16,600.00	90.00	179.34	12,100.00	-4,745.61	54.27	4,745.92	0.00	0.00	0.00	
16,700.00	90.00	179.34	12,100.00	-4,845.60	55.41	4,845.92	0.00	0.00	0.00	
16,800.00	90.00	179.34	12,100.00	-4,945.59	56.56	4,945.92	0.00	0.00	0.00	
16,900.00	90.00	179.34	12,100.00	-5,045.59	57.70	5,045.92	0.00	0.00	0.00	
17,000.00	90.00	179.34	12,100.00	-5,145.58	58.84	5,145.92	0.00	0.00	0.00	
17,100.00	90.00	179.34	12,100.00	-5,245.57	59.99	5,245.92	0.00	0.00	0.00	
17,200.00	90.00	179.34	12,100.00	-5,345.57	61.13	5,345.92	0.00	0.00	0.00	
17,300.00	90.00	179.34	12,100.00	-5,445.56	62.27	5,445.92	0.00	0.00	0.00	
17,400.00	90.00	179.34	12,100.00	-5,545.55	63.42	5,545.92	0.00	0.00	0.00	
17,500.00	90.00	179.34	12,100.00	-5,645.55	64.56	5,645.92	0.00	0.00	0.00	
17,600.00	90.00	179.34	12,100.00	-5,745.54	65.70	5,745.92	0.00	0.00	0.00	
17,700.00	90.00	179.34	12,100.00	-5,845.53	66.85	5,845.92	0.00	0.00	0.00	
17,800.00	90.00	179.34	12,100.00	-5,945.53	67.99	5,945.92	0.00	0.00	0.00	
17,900.00	90.00	179.34	12,100.00	-6,045.52	69.13	6,045.92	0.00	0.00	0.00	
18,000.00	90.00	179.34	12,100.00	-6,145.51	70.28	6,145.92	0.00	0.00	0.00	
18,100.00	90.00	179.34	12,100.00	-6,245.51	71.42	6,245.92	0.00	0.00	0.00	
18,200.00	90.00	179.34	12,100.00	-6,345.50	72.56	6,345.92	0.00	0.00	0.00	
18,300.00	90.00	179.34	12,100.00	-6,445.49	73.71	6,445.92	0.00	0.00	0.00	
18,400.00	90.00	179.34	12,100.00	-6,545.49	74.85	6,545.92	0.00	0.00	0.00	
18,500.00	90.00	179.34	12,100.00	-6,645.48	76.00	6,645.92	0.00	0.00	0.00	
18,600.00	90.00	179.34	12,100.00	-6,745.47	77.14	6,745.92	0.00	0.00	0.00	
18,700.00	90.00	179.34	12,100.00	-6,845.47	78.28	6,845.92	0.00	0.00	0.00	
18,800.00	90.00	179.34	12,100.00	-6,945.46	79.43	6,945.92	0.00	0.00	0.00	
18,900.00	90.00	179.34	12,100.00	-7,045.46	80.57	7,045.92	0.00	0.00	0.00	
19,000.00	90.00	179.34	12,100.00	-7,145.45	81.71	7,145.92	0.00	0.00	0.00	
19,100.00	90.00	179.34	12,100.00	-7,245.44	82.86	7,245.92	0.00	0.00	0.00	
19,200.00	90.00	179.34	12,100.00	-7,345.44	84.00	7,345.92	0.00	0.00	0.00	
19,300.00	90.00	179.34	12,100.00	-7,445.43	85.14	7,445.92	0.00	0.00	0.00	
19,400.00	90.00	179.34	12,100.00	-7,545.42	86.29	7,545.92	0.00	0.00	0.00	
19,500.00	90.00	179.34	12,100.00	-7,645.42	87.43	7,645.92	0.00	0.00	0.00	
19,600.00	90.00	179.34	12,100.00	-7,745.41	88.57	7,745.92	0.00	0.00	0.00	
19,700.00	90.00	179.34	12,100.00	-7,845.40	89.72	7,845.92	0.00	0.00	0.00	
19,800.00	90.00	179.34	12,100.00	-7,945.40	90.86	7,945.92	0.00	0.00	0.00	
19,900.00	90.00	179.34	12,100.00	-8,045.39	92.00	8,045.92	0.00	0.00	0.00	
20,000.00	90.00	179.34	12,100.00	-8,145.38	93.15	8,145.92	0.00	0.00	0.00	
20,100.00	90.00	179.34	12,100.00	-8,245.38	94.29	8,245.92	0.00	0.00	0.00	
20,200.00	90.00	179.34	12,100.00	-8,345.37	95.43	8,345.92	0.00	0.00	0.00	
20,300.00	90.00	179.34	12,100.00	-8,445.36	96.58	8,445.92	0.00	0.00	0.00	
20,400.00	90.00	179.34	12,100.00	-8,545.36	97.72	8,545.92	0.00	0.00	0.00	

LEAM Drilling Systems

Planning Report

Database:	LEAM Multi_User Db	Local Co-ordinate Reference:	Well #4H
Company:	Texas Standard Oil	TVD Reference:	GE 3851' + KB 25' @ 3876.00usft (TBD)
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	GE 3851' + KB 25' @ 3876.00usft (TBD)
Site:	Alpha Dog State	North Reference:	Grid
Well:	#4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)	
20,500.00	90.00	179.34	12,100.00	-8,645.35	98.87	8,645.92	0.00	0.00	0.00	
20,600.00	90.00	179.34	12,100.00	-8,745.34	100.01	8,745.92	0.00	0.00	0.00	
20,700.00	90.00	179.34	12,100.00	-8,845.34	101.15	8,845.92	0.00	0.00	0.00	
20,800.00	90.00	179.34	12,100.00	-8,945.33	102.30	8,945.92	0.00	0.00	0.00	
20,900.00	90.00	179.34	12,100.00	-9,045.32	103.44	9,045.92	0.00	0.00	0.00	
21,000.00	90.00	179.34	12,100.00	-9,145.32	104.58	9,145.92	0.00	0.00	0.00	
21,100.00	90.00	179.34	12,100.00	-9,245.31	105.73	9,245.92	0.00	0.00	0.00	
21,200.00	90.00	179.34	12,100.00	-9,345.30	106.87	9,345.92	0.00	0.00	0.00	
21,300.00	90.00	179.34	12,100.00	-9,445.30	108.01	9,445.92	0.00	0.00	0.00	
21,400.00	90.00	179.34	12,100.00	-9,545.29	109.16	9,545.92	0.00	0.00	0.00	
21,500.00	90.00	179.34	12,100.00	-9,645.29	110.30	9,645.92	0.00	0.00	0.00	
21,600.00	90.00	179.34	12,100.00	-9,745.28	111.44	9,745.92	0.00	0.00	0.00	
21,700.00	90.00	179.34	12,100.00	-9,845.27	112.59	9,845.92	0.00	0.00	0.00	
21,800.00	90.00	179.34	12,100.00	-9,945.27	113.73	9,945.92	0.00	0.00	0.00	
21,900.00	90.00	179.34	12,100.00	-10,045.26	114.87	10,045.92	0.00	0.00	0.00	
22,000.00	90.00	179.34	12,100.00	-10,145.25	116.02	10,145.92	0.00	0.00	0.00	
22,100.00	90.00	179.34	12,100.00	-10,245.25	117.16	10,245.92	0.00	0.00	0.00	
22,200.00	90.00	179.34	12,100.00	-10,345.24	118.30	10,345.92	0.00	0.00	0.00	
22,300.00	90.00	179.34	12,100.00	-10,445.23	119.45	10,445.92	0.00	0.00	0.00	
22,400.00	90.00	179.34	12,100.00	-10,545.23	120.59	10,545.92	0.00	0.00	0.00	
22,500.00	90.00	179.34	12,100.00	-10,645.22	121.73	10,645.92	0.00	0.00	0.00	
22,600.00	90.00	179.34	12,100.00	-10,745.21	122.88	10,745.92	0.00	0.00	0.00	
22,700.00	90.00	179.34	12,100.00	-10,845.21	124.02	10,845.92	0.00	0.00	0.00	
22,800.00	90.00	179.34	12,100.00	-10,945.20	125.17	10,945.92	0.00	0.00	0.00	
22,900.00	90.00	179.34	12,100.00	-11,045.19	126.31	11,045.92	0.00	0.00	0.00	
23,000.00	90.00	179.34	12,100.00	-11,145.19	127.45	11,145.92	0.00	0.00	0.00	
23,100.00	90.00	179.34	12,100.00	-11,245.18	128.60	11,245.92	0.00	0.00	0.00	
23,200.00	90.00	179.34	12,100.00	-11,345.17	129.74	11,345.92	0.00	0.00	0.00	
23,300.00	90.00	179.34	12,100.00	-11,445.17	130.88	11,445.92	0.00	0.00	0.00	
23,406.44	90.00	179.34	12,100.00	-11,551.60	132.10	11,552.36	0.00	0.00	0.00	

Design Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
SHL (Alpha Dog State # - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	672,591.30	845,993.60	32° 50' 42.165 N	103° 20' 28.855 W	
PBHL (Alpha Dog State - plan hits target center - Point	0.00	0.00	12,100.00	-11,551.60	132.10	661,039.70	846,125.70	32° 48' 47.866 N	103° 20' 28.577 W	
LTP (Alpha Dog State # - plan misses target center by 6.43usft at 23300.00usft MD (12100.00 TVD, -11445.17 N, 130.88 E) - Point	0.00	0.00	12,100.00	-11,451.60	130.90	661,139.70	846,124.50	32° 48' 48.855 N	103° 20' 28.580 W	
FTP (Alpha Dog State # - plan misses target center by 1.46usft at 12453.91usft MD (12100.00 TVD, -599.78 N, 6.86 E) - Point	0.00	0.00	12,100.00	-599.80	5.40	671,991.50	845,999.00	32° 50' 36.230 N	103° 20' 28.857 W	