

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCB/HOBBS
HOBBS

FEB 12 2015

ATS-14-798

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

APPLICATION FOR PERMIT TO DRILL OR REENTER

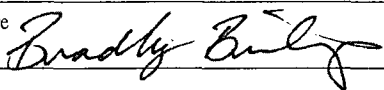
RECEIVED

1a. Type of work: ☒ DRILL ☐ REENTER		7. If Unit or CA Agreement, Name and No.
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone		8. Lease Name and Well No. (314191) Salado Draw 9 A3CN Fed Com #1H
2. Name of Operator Mewbourne Oil Company		9. API Well No. 30-025-42437
3a. Address PO Box 5270 Hobbs, NM 88241	3b. Phone No. (include area code) (14744) 575-393-5905	10. Field and Pool, or Exploratory (97900) Red Hills Upper Bone Spring Shale
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 305' FNL & 2355' FWL, Sec. 9 T26S R33E At proposed prod. zone 330' FSL & 2150' FWL, Sec. 9 T26S R33E UNORTHODOX LOCATION		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 9 T26S R33E
14. Distance in miles and direction from nearest town or post office* 23 miles SW of Jal, NM		12. County or Parish Lea
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 305'		13. State NM
16. No. of acres in lease NMNM000127A-320 acres		17. Spacing Unit dedicated to this well 160
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 778' - Salado Draw 9 BO Fed Com #1H		20. BLM/BIA Bond No. on file NM-1693 nationwide, NMB-000919
22. Approximate date work will start* 07/01/2014		23. Estimated duration 60 days
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3308' - GL		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

25. Signature 	Name (Printed/Typed) Bradley Bishop	Date 05/21/2014
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Approved by (Signature) /s/ STEPHEN J. CAFFEY	Name (Printed/Typed) 	Date FEB 9 2015
Title FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

Carlsbad Controlled Water Basin

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

FEB 13 2015

Drilling Program
Mewbourne Oil Company
Salado Draw 9 A3CN Fed Com #1H
305' FNL & 2355' FWL
Sec 9, T26S, R33E
Lea County, New Mexico

HOBBSDCD

FEB 12 2015

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1. The estimated tops of geological markers are as follows:

Rustler	875'
Top Salt/	1230'
Castile	3300'
Base Salt/Tansill	4600'
*Yates	NA
Seven Rivers	NA
*Queen	NA
Grayburg	NA
San Andres	NA
Delaware(Lamar)	4950'
Bell Canyon	4980'
Cherry Canyon	6080'
Manzanita Marker	6190'
Brushy Canyon	7530'
*Bone Springs	8970'
*Wolfcamp	NA

2. Estimated depths of anticipated fresh water, oil, or gas:

Water	Fresh water is anticipated @ 140' and will be protected by setting surface casing at 900' and cementing to surface.
Hydrocarbons	Oil and gas are anticipated in the above (*) formations. These zones will be protected by casing as necessary.

3. Pressure control equipment:

A 2000# WP annular will be installed after running 13 3/8" casing. A 3000# WP double ram BOP and 3000# WP Annular will be installed after running 9 5/8" casing. Pressure tests will be conducted prior to drilling out under all casing strings. BOP controls will be installed prior to drilling under surface casing and will remain in use until completion of drilling operations. BOPs will be inspected and operated as recommended in Onshore Order #2. A Kelly cock and a sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position when the Kelly is not in use.

Will test the 13 3/8" annular to 1500' and the 9 5/8" BOPE to 3000# and annular to 1500# with a third party testing company before drilling below each shoe, but will test again, if needed, in 30 days from the 1st test as per BLM Onshore Oil and Gas Order #2.

4. MOC proposes to drill a vertical wellbore to 9230' & kick off to horizontal @ 9803' TVD. The well will be drilled to 14205' MD (9828' TVD). See attached directional plan.

5. Proposed casing and cementing program:

A. Casing Program:

Hole Size	Casing	Wt/Ft.	Grade	Depth	Jt Type
17 1/2"	13 3/8" (new)	48#	H40	0' - 900' 975'	ST&C
12 1/4"	9 5/8" (new)	36#	J55	0' - 3200' MD	LT&C
12 1/4"	9 5/8" (new)	40#	J55	3200' - 4200' MD	LT&C
12 1/4"	9 5/8" (new)	40#	N80	4200' - 4900' MD	LT&C

8 3/4"	5 1/2" (new)	17#	P110	0'-9230' MD	LT&C
8 3/4"	5 1/2" (new)	17#	P110	9230'-10126' MD	BT&C
8 3/4"	5 1/2" (new)	17#	P110	10126'-14205' MD	LT&C

Minimum casing design factors: Collapse 1.125, Burst 1.0, Tensile strength 1.8.

*Subject to availability of casing.

B. Cementing Program:

- see COA
- i. Surface Casing: 500 sacks Class "C" (35:65:4) light cement w/ salt and LCM additives. Yield at 2.0 cuft/sk. Mix water @ 11.17 gal/sk. 200 sacks Class "C" cement w/ 2% CaCl₂. Yield at 1.34 cuft/sk. Mix water @ 6.33 gal/sk. Cmt circulated to surface w/100% excess.
 - ii. Intermediate Casing: 850 sacks Class "C" (35:65:4) light cement w/ salt and LCM additives. Yield at 2.0 cuft/sk. Mix water @ 11.17 gal/sk. 200 sacks Class "C" cement. Yield at 1.34 cuft/sk. Mix water @ 6.33 gal/sk. Cmt circulated to surface w/25% excess.
 - iii. Production Casing: 1100 sacks Class H light cement with fluid loss, LCM, & salt additives. Yield at 2.12 cuft/sk. Mix water @ 11.31 gal/sk. Tail w/850 sacks Class H cmt. Yield at 1.22 cuft/sk. Mix water @ 5.34 gal/sk. Calculated to tie back 200' into 9 5/8" csg @ 4700' w/25% excess.

*Referring to above blends of light cement: (65% fly ash : 35% cement : 4% bentonite of the total of first two numbers). Generic names of additives are used since the availability of specific company and products are unknown at this time.

6. Mud Program:

see COA

Interval	Type System	Weight	Viscosity	Fluid Loss
0'-900' 975'	FW spud mud	8.6-9.0	32-34	NA
900' - 4900'	Brine water	10.0-10.2	28-30	NA
4900' - 9230' (KOP)	FW	8.5-8.7	28-30	NA
9230' - TD	FW w/Polymer	8.5-8.7	32-35	15

7. Evaluation Program:

Samples: 10' samples from KOP to TD
Logging: GR, CN & Gyro 100' above KOP (9130') to surface. GR from 9130' to TD.

8. Downhole Conditions

see COA

Zones of abnormal pressure:	None anticipated
Zones of lost circulation:	Anticipated in surface and intermediate holes
Maximum bottom hole temperature:	120 degree F
Maximum bottom hole pressure:	8.3 lbs/gal gradient or less(.43668 x 9828' = 4262 psi)

9. Anticipated Starting Date:

Mewbourne Oil Company intends to drill this well as soon as possible after receiving approval with approximately 40 days involved in drilling operations and an additional 20 days involved in completion operations on the project.



Mewbourne Oil Company .

Lea County N.M.

Section 9-26S-33E Salado Draw 9 A3CN Fed Com #1H

Salado Draw 9 A3CN Fed Com #1H

Original Hole

Plan: Plan#1

Standard Planning Report

20 May, 2014





Stryker Directional Planning Report



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Salado Draw 9 A3CN Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Project:	Lea County N.M.	MD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Site:	Section 9-26S-33E Salado Draw 9 A3CN Fed Com #1H	North Reference:	Grid
Well:	Salado Draw 9 A3CN Fed Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

Project	Lea County N.M.		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Section 9-26S-33E Salado Draw 9 A3CN Fed Com #1H		
Site Position:		Northing:	387,941.30 usft
From:	Map	Easting:	734,081.30 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 3' 51.528 N
		Longitude:	103° 34' 39.724 W
		Grid Convergence:	0.40 °

Well	Salado Draw 9 A3CN Fed Com #1H		
Well Position	+N/-S	0.0 usft	Northing: 387,941.30 usft
	+E/-W	0.0 usft	Easting: 734,081.30 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 3' 51.528 N
		Longitude:	103° 34' 39.724 W
		Ground Level:	3,308.0 usft

Wellbore	Original Hole		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/20/2014	7.22	59.96	48,227

Design	Plan#1		
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Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	182.11

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
9,230.1	0.00	0.00	9,230.1	0.0	0.0	0.00	0.00	0.00	0.00	
10,126.6	89.65	182.11	9,803.0	-569.1	-21.0	10.00	10.00	-19.84	182.11	
14,204.9	89.65	182.11	9,828.0	-4,644.6	-171.1	0.00	0.00	0.00	0.00	PBHL Salado Draw



Stryker Directional Planning Report



Database:	Stryker EDM	Local Co-ordinate Reference:	Well Salado Draw 9 A3CN Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Project:	Lea County N.M.	MD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Site:	Section 9-26S-33E Salado Draw 9 A3CN Fed Com #1H	North Reference:	Grid
Well:	Salado Draw 9 A3CN Fed Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00



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Wellbore:	Original Hole		
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)
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,230.1	0.00	0.00	9,230.1	0.0	0.0	0.0	0.00	0.00	0.00
9230.1 MD KOP									
9,250.0	1.99	182.11	9,250.0	-0.3	0.0	0.3	10.00	10.00	0.00
9,300.0	6.99	182.11	9,299.8	-4.3	-0.2	4.3	10.00	10.00	0.00
9,350.0	11.99	182.11	9,349.1	-12.5	-0.5	12.5	10.00	10.00	0.00
9,400.0	16.99	182.11	9,397.5	-25.0	-0.9	25.0	10.00	10.00	0.00
9,450.0	21.99	182.11	9,444.6	-41.7	-1.5	41.7	10.00	10.00	0.00
9,500.0	26.99	182.11	9,490.1	-62.4	-2.3	62.4	10.00	10.00	0.00
9,550.0	31.99	182.11	9,533.6	-87.0	-3.2	87.0	10.00	10.00	0.00
9,600.0	36.99	182.11	9,574.8	-115.2	-4.2	115.3	10.00	10.00	0.00
9,650.0	41.99	182.11	9,613.4	-147.0	-5.4	147.1	10.00	10.00	0.00
9,700.0	46.99	182.11	9,649.1	-182.0	-6.7	182.1	10.00	10.00	0.00
9,750.0	51.99	182.11	9,681.5	-220.0	-8.1	220.1	10.00	10.00	0.00



Stryker Directional Planning Report



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Salado Draw 9 A3CN Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Project:	Lea County N.M.	MD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Site:	Section 9:26S:33E Salado Draw 9 A3CN Fed Com #1H	North Reference:	Grid
Well:	Salado Draw 9 A3CN Fed Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
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)	
9,800.0	56.99	182.11	9,710.6	-260.6	-9.6	260.8	10.00	10.00	0.00	
9,850.0	61.99	182.11	9,735.9	-303.7	-11.2	303.9	10.00	10.00	0.00	
9,900.0	66.99	182.11	9,757.5	-348.8	-12.9	349.0	10.00	10.00	0.00	
9,950.0	71.99	182.11	9,775.0	-395.5	-14.6	395.8	10.00	10.00	0.00	
10,000.0	76.99	182.11	9,788.4	-443.7	-16.3	444.0	10.00	10.00	0.00	
10,050.0	81.99	182.11	9,797.5	-492.8	-18.2	493.1	10.00	10.00	0.00	
10,100.0	86.99	182.11	9,802.3	-542.5	-20.0	542.9	10.00	10.00	0.00	
10,126.6	89.65	182.11	9,803.0	-569.1	-21.0	569.5	10.00	10.00	0.00	
10126.6' MD LP										
10,127.5	89.65	182.11	9,803.1	-570.0	-21.0	570.3	0.00	0.00	0.00	
LP Salado Draw 9 A3CN Fed Com #1H										
10,200.0	89.65	182.11	9,803.5	-642.4	-23.7	642.9	0.00	0.00	0.00	
10,300.0	89.65	182.11	9,804.1	-742.4	-27.4	742.9	0.00	0.00	0.00	
10,400.0	89.65	182.11	9,804.7	-842.3	-31.0	842.9	0.00	0.00	0.00	
10,500.0	89.65	182.11	9,805.3	-942.2	-34.7	942.9	0.00	0.00	0.00	
10,600.0	89.65	182.11	9,805.9	-1,042.1	-38.4	1,042.8	0.00	0.00	0.00	
10,700.0	89.65	182.11	9,806.6	-1,142.1	-42.1	1,142.8	0.00	0.00	0.00	
10,800.0	89.65	182.11	9,807.2	-1,242.0	-45.8	1,242.8	0.00	0.00	0.00	
10,900.0	89.65	182.11	9,807.8	-1,341.9	-49.4	1,342.8	0.00	0.00	0.00	
11,000.0	89.65	182.11	9,808.4	-1,441.9	-53.1	1,442.8	0.00	0.00	0.00	
11,100.0	89.65	182.11	9,809.0	-1,541.8	-56.8	1,542.8	0.00	0.00	0.00	
11,200.0	89.65	182.11	9,809.6	-1,641.7	-60.5	1,642.8	0.00	0.00	0.00	
11,300.0	89.65	182.11	9,810.2	-1,741.7	-64.2	1,742.8	0.00	0.00	0.00	
11,400.0	89.65	182.11	9,810.8	-1,841.6	-67.9	1,842.8	0.00	0.00	0.00	
11,500.0	89.65	182.11	9,811.4	-1,941.5	-71.5	1,942.8	0.00	0.00	0.00	
11,600.0	89.65	182.11	9,812.1	-2,041.4	-75.2	2,042.8	0.00	0.00	0.00	
11,700.0	89.65	182.11	9,812.7	-2,141.4	-78.9	2,142.8	0.00	0.00	0.00	
11,800.0	89.65	182.11	9,813.3	-2,241.3	-82.6	2,242.8	0.00	0.00	0.00	
11,900.0	89.65	182.11	9,813.9	-2,341.2	-86.3	2,342.8	0.00	0.00	0.00	
12,000.0	89.65	182.11	9,814.5	-2,441.2	-90.0	2,442.8	0.00	0.00	0.00	
12,100.0	89.65	182.11	9,815.1	-2,541.1	-93.6	2,542.8	0.00	0.00	0.00	
12,200.0	89.65	182.11	9,815.7	-2,641.0	-97.3	2,642.8	0.00	0.00	0.00	
12,300.0	89.65	182.11	9,816.3	-2,741.0	-101.0	2,742.8	0.00	0.00	0.00	
12,400.0	89.65	182.11	9,817.0	-2,840.9	-104.7	2,842.8	0.00	0.00	0.00	
12,500.0	89.65	182.11	9,817.6	-2,940.8	-108.4	2,942.8	0.00	0.00	0.00	
12,600.0	89.65	182.11	9,818.2	-3,040.7	-112.0	3,042.8	0.00	0.00	0.00	
12,700.0	89.65	182.11	9,818.8	-3,140.7	-115.7	3,142.8	0.00	0.00	0.00	
12,800.0	89.65	182.11	9,819.4	-3,240.6	-119.4	3,242.8	0.00	0.00	0.00	
12,900.0	89.65	182.11	9,820.0	-3,340.5	-123.1	3,342.8	0.00	0.00	0.00	
13,000.0	89.65	182.11	9,820.6	-3,440.5	-126.8	3,442.8	0.00	0.00	0.00	
13,100.0	89.65	182.11	9,821.2	-3,540.4	-130.5	3,542.8	0.00	0.00	0.00	
13,200.0	89.65	182.11	9,821.9	-3,640.3	-134.1	3,642.8	0.00	0.00	0.00	
13,300.0	89.65	182.11	9,822.5	-3,740.3	-137.8	3,742.8	0.00	0.00	0.00	
13,400.0	89.65	182.11	9,823.1	-3,840.2	-141.5	3,842.8	0.00	0.00	0.00	
13,500.0	89.65	182.11	9,823.7	-3,940.1	-145.2	3,942.8	0.00	0.00	0.00	
13,600.0	89.65	182.11	9,824.3	-4,040.1	-148.9	4,042.8	0.00	0.00	0.00	
13,700.0	89.65	182.11	9,824.9	-4,140.0	-152.6	4,142.8	0.00	0.00	0.00	
13,800.0	89.65	182.11	9,825.5	-4,239.9	-156.2	4,242.8	0.00	0.00	0.00	
13,900.0	89.65	182.11	9,826.1	-4,339.8	-159.9	4,342.8	0.00	0.00	0.00	
14,000.0	89.65	182.11	9,826.7	-4,439.8	-163.6	4,442.8	0.00	0.00	0.00	
14,100.0	89.65	182.11	9,827.4	-4,539.7	-167.3	4,542.8	0.00	0.00	0.00	
14,204.9	89.65	182.11	9,828.0	-4,644.5	-171.1	4,647.7	0.00	0.00	0.00	
14204.9' MD PBHL - PBHL Salado Draw 9 A3CN Fed Com #1H										



Stryker Directional Planning Report



Database:	Stryker EDM	Local Co-ordinate Reference:	Well Salado Draw 9 A3CN Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Project:	Lea County N.M.	MD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Site:	Section 9-26S-33E Salado Draw 9 A3CN Fed Com #1H	North Reference:	Grid
Well:	Salado Draw 9 A3CN Fed Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

Planned Survey

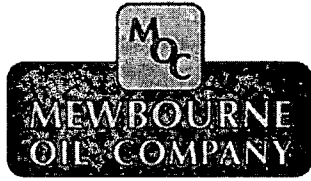
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
LP Salado Draw 9 A3	0.00	0.00	9,803.0	-569.2	-40.9	387,372.07	734,040.43	32° 3' 45.898 N	103° 34' 40.245 W
- plan misses target center by 19.9usft at 10127.5usft MD (9803.1 TVD, -570.0 N, -21.0 E)									
- Point									
PBHL Salado Draw 9	0.00	0.00	9,828.0	-4,644.6	-171.1	383,296.73	733,910.15	32° 3' 5.578 N	103° 34' 42.090 W
- plan hits target center									
- Point									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
9,230.1	9,230.1	0.0	0.0	9230.1' MD KOP
10,126.6	9,803.0	-569.1	-21.0	10126.6' MD LP
14,204.9	9,828.0	-4,644.5	-171.1	14204.9' MD PBHL



Mewbourne Oil Company .

Lea County N.M.

Section 9-26S-33E Salado Draw 9 A3CN Fed Com #1H

Salado Draw 9 A3CN Fed Com #1H

Original Hole

Plan: Plan#1

Standard Planning Report - Geographic

20 May, 2014





Stryker Directional

Planning Report - Geographic



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Salado Draw 9 A3CN Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Project:	Lea County N.M.	MD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Site:	Section 9-26S-33E Salado Draw 9 A3CN Fed Com #1H	North Reference:	Grid
Well:	Salado Draw 9 A3CN Fed Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

Project	Lea County N.M.		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Section 9-26S-33E Salado Draw 9 A3CN Fed Com #1H		
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Site Position:		Northing:	387,941.30 usft	Latitude:	32° 3' 51.528 N
From:	Map	Easting:	734,081.30 usft	Longitude:	103° 34' 39.724 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.40 °

Well	Salado Draw 9 A3CN Fed Com #1H				
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Well Position	+N/-S	0.0 usft	Northing:	387,941.30 usft	Latitude:	32° 3' 51.528 N
	+E/-W	0.0 usft	Easting:	734,081.30 usft	Longitude:	103° 34' 39.724 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,308.0 usft

Wellbore	Original Hole				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/20/2014	7.22	59.96	48,227

Design	Plan#1				
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Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	182.11

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
9,230.1	0.00	0.00	9,230.1	0.0	0.0	0.00	0.00	0.00	0.00	
10,126.6	89.65	182.11	9,803.0	-569.1	-21.0	10.00	10.00	-19.84	182.11	
14,204.9	89.65	182.11	9,828.0	-4,644.6	-171.1	0.00	0.00	0.00	0.00	PBHL Salado Draw



Stryker Directional Planning Report - Geographic



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Salado Draw 9 A3CN Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Project:	Lea County N.M.	MD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Site:	Section 9-26S-33E Salado Draw 9 A3CN Fed Com #1H	North Reference:	Grid
Well:	Salado Draw 9 A3CN Fed Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
100.0	0.00	0.00	100.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
200.0	0.00	0.00	200.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
300.0	0.00	0.00	300.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
400.0	0.00	0.00	400.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
500.0	0.00	0.00	500.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
600.0	0.00	0.00	600.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
700.0	0.00	0.00	700.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
800.0	0.00	0.00	800.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
900.0	0.00	0.00	900.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
2,100.0	0.00	0.00	2,100.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
2,200.0	0.00	0.00	2,200.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
2,300.0	0.00	0.00	2,300.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
2,400.0	0.00	0.00	2,400.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
2,500.0	0.00	0.00	2,500.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
2,600.0	0.00	0.00	2,600.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
2,700.0	0.00	0.00	2,700.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
2,800.0	0.00	0.00	2,800.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
2,900.0	0.00	0.00	2,900.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
3,000.0	0.00	0.00	3,000.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
3,100.0	0.00	0.00	3,100.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
3,200.0	0.00	0.00	3,200.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
3,300.0	0.00	0.00	3,300.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
3,400.0	0.00	0.00	3,400.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
3,500.0	0.00	0.00	3,500.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
3,600.0	0.00	0.00	3,600.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
3,700.0	0.00	0.00	3,700.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
3,800.0	0.00	0.00	3,800.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
3,900.0	0.00	0.00	3,900.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
4,000.0	0.00	0.00	4,000.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
4,100.0	0.00	0.00	4,100.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
4,200.0	0.00	0.00	4,200.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
4,300.0	0.00	0.00	4,300.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
4,400.0	0.00	0.00	4,400.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
4,500.0	0.00	0.00	4,500.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
4,600.0	0.00	0.00	4,600.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
4,700.0	0.00	0.00	4,700.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
4,800.0	0.00	0.00	4,800.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
4,900.0	0.00	0.00	4,900.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
5,000.0	0.00	0.00	5,000.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
5,100.0	0.00	0.00	5,100.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
5,200.0	0.00	0.00	5,200.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W
5,300.0	0.00	0.00	5,300.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W



Stryker Directional Planning Report - Geographic



Database:	Stryker EDM	Local Co-ordinate Reference:	Well: Salado Draw 9 A3CN Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Project:	Lea County N.M.	MD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Site:	Section 9-26S-33E Salado Draw 9 A3CN Fed Com #1H	North Reference:	Grid
Well:	Salado Draw 9 A3CN Fed Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
5,400.0	0.00	0.00	5,400.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
5,500.0	0.00	0.00	5,500.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
5,600.0	0.00	0.00	5,600.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
5,700.0	0.00	0.00	5,700.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
5,800.0	0.00	0.00	5,800.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
5,900.0	0.00	0.00	5,900.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
6,000.0	0.00	0.00	6,000.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
6,100.0	0.00	0.00	6,100.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
6,200.0	0.00	0.00	6,200.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
6,300.0	0.00	0.00	6,300.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
6,400.0	0.00	0.00	6,400.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
6,500.0	0.00	0.00	6,500.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
6,600.0	0.00	0.00	6,600.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
6,700.0	0.00	0.00	6,700.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
6,800.0	0.00	0.00	6,800.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
6,900.0	0.00	0.00	6,900.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
7,000.0	0.00	0.00	7,000.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
7,100.0	0.00	0.00	7,100.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
7,200.0	0.00	0.00	7,200.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
7,300.0	0.00	0.00	7,300.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
7,400.0	0.00	0.00	7,400.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
7,500.0	0.00	0.00	7,500.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
7,600.0	0.00	0.00	7,600.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
7,700.0	0.00	0.00	7,700.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
7,800.0	0.00	0.00	7,800.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
7,900.0	0.00	0.00	7,900.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
8,000.0	0.00	0.00	8,000.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
8,100.0	0.00	0.00	8,100.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
8,200.0	0.00	0.00	8,200.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
8,300.0	0.00	0.00	8,300.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
8,400.0	0.00	0.00	8,400.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
8,500.0	0.00	0.00	8,500.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
8,600.0	0.00	0.00	8,600.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
8,700.0	0.00	0.00	8,700.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
8,800.0	0.00	0.00	8,800.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
8,900.0	0.00	0.00	8,900.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
9,000.0	0.00	0.00	9,000.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
9,100.0	0.00	0.00	9,100.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
9,200.0	0.00	0.00	9,200.0	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
9,230.1	0.00	0.00	9,230.1	0.0	0.0	387,941.30	734,081.30	32° 3' 51.528 N	103° 34' 39.724 W	
9230.1' MD KOP										
9,250.0	1.99	182.11	9,250.0	-0.3	0.0	387,940.95	734,081.28	32° 3' 51.524 N	103° 34' 39.724 W	
9,300.0	6.99	182.11	9,299.8	-4.3	-0.2	387,937.04	734,081.14	32° 3' 51.486 N	103° 34' 39.726 W	
9,350.0	11.99	182.11	9,349.1	-12.5	-0.5	387,928.81	734,080.84	32° 3' 51.404 N	103° 34' 39.730 W	
9,400.0	16.99	182.11	9,397.5	-25.0	-0.9	387,916.31	734,080.38	32° 3' 51.280 N	103° 34' 39.737 W	
9,450.0	21.99	182.11	9,444.6	-41.7	-1.5	387,899.64	734,079.76	32° 3' 51.116 N	103° 34' 39.745 W	
9,500.0	26.99	182.11	9,490.1	-62.4	-2.3	387,878.94	734,079.00	32° 3' 50.911 N	103° 34' 39.756 W	
9,550.0	31.99	182.11	9,533.6	-87.0	-3.2	387,854.35	734,078.09	32° 3' 50.667 N	103° 34' 39.768 W	
9,600.0	36.99	182.11	9,574.8	-115.2	-4.2	387,826.06	734,077.05	32° 3' 50.388 N	103° 34' 39.783 W	
9,650.0	41.99	182.11	9,613.4	-147.0	-5.4	387,794.30	734,075.88	32° 3' 50.073 N	103° 34' 39.799 W	
9,700.0	46.99	182.11	9,649.1	-182.0	-6.7	387,759.29	734,074.59	32° 3' 49.727 N	103° 34' 39.817 W	
9,750.0	51.99	182.11	9,681.5	-220.0	-8.1	387,721.32	734,073.19	32° 3' 49.351 N	103° 34' 39.836 W	
9,800.0	56.99	182.11	9,710.6	-260.6	-9.6	387,680.66	734,071.69	32° 3' 48.949 N	103° 34' 39.857 W	
9,850.0	61.99	182.11	9,735.9	-303.7	-11.2	387,637.62	734,070.11	32° 3' 48.523 N	103° 34' 39.879 W	



Stryker Directional Planning Report - Geographic



Database:	Stryker EDM	Local Co-ordinate Reference:	Well/Salado Draw 9 A3CN Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Project:	Lea County N.M.	MD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Site:	Section 9-26S-33E - Salado Draw 9 A3CN Fed Com #1H	North Reference:	Grid
Well:	Salado Draw 9 A3CN Fed Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
9,900.0	66.99	182.11	9,757.5	-348.8	-12.9	387,592.54	734,068.45	32° 3' 48.077 N	103° 34' 39.902 W	
9,950.0	71.99	182.11	9,775.0	-395.5	-14.6	387,545.76	734,066.72	32° 3' 47.615 N	103° 34' 39.926 W	
10,000.0	76.99	182.11	9,788.4	-443.7	-16.3	387,497.63	734,064.95	32° 3' 47.138 N	103° 34' 39.950 W	
10,050.0	81.99	182.11	9,797.5	-492.8	-18.2	387,448.51	734,063.14	32° 3' 46.652 N	103° 34' 39.975 W	
10,100.0	86.99	182.11	9,802.3	-542.5	-20.0	387,398.80	734,061.31	32° 3' 46.161 N	103° 34' 40.001 W	
10,126.6	89.65	182.11	9,803.0	-569.1	-21.0	387,372.23	734,060.33	32° 3' 45.898 N	103° 34' 40.014 W	
10126.6' MD LP										
10,127.5	89.65	182.11	9,803.1	-570.0	-21.0	387,371.34	734,060.29	32° 3' 45.889 N	103° 34' 40.015 W	
LP Salado Draw 9 A3CN Fed Com #1H										
10,200.0	89.65	182.11	9,803.5	-642.4	-23.7	387,298.88	734,057.62	32° 3' 45.172 N	103° 34' 40.051 W	
10,300.0	89.65	182.11	9,804.1	-742.4	-27.4	387,198.95	734,053.94	32° 3' 44.183 N	103° 34' 40.102 W	
10,400.0	89.65	182.11	9,804.7	-842.3	-31.0	387,099.02	734,050.26	32° 3' 43.195 N	103° 34' 40.153 W	
10,500.0	89.65	182.11	9,805.3	-942.2	-34.7	386,999.09	734,046.58	32° 3' 42.206 N	103° 34' 40.204 W	
10,600.0	89.65	182.11	9,805.9	-1,042.1	-38.4	386,899.16	734,042.90	32° 3' 41.218 N	103° 34' 40.255 W	
10,700.0	89.65	182.11	9,806.6	-1,142.1	-42.1	386,799.23	734,039.21	32° 3' 40.229 N	103° 34' 40.306 W	
10,800.0	89.65	182.11	9,807.2	-1,242.0	-45.8	386,699.30	734,035.53	32° 3' 39.240 N	103° 34' 40.357 W	
10,900.0	89.65	182.11	9,807.8	-1,341.9	-49.4	386,599.37	734,031.85	32° 3' 38.252 N	103° 34' 40.408 W	
11,000.0	89.65	182.11	9,808.4	-1,441.9	-53.1	386,499.44	734,028.17	32° 3' 37.263 N	103° 34' 40.459 W	
11,100.0	89.65	182.11	9,809.0	-1,541.8	-56.8	386,399.51	734,024.48	32° 3' 36.274 N	103° 34' 40.510 W	
11,200.0	89.65	182.11	9,809.6	-1,641.7	-60.5	386,299.58	734,020.80	32° 3' 35.286 N	103° 34' 40.561 W	
11,300.0	89.65	182.11	9,810.2	-1,741.7	-64.2	386,199.64	734,017.12	32° 3' 34.297 N	103° 34' 40.611 W	
11,400.0	89.65	182.11	9,810.8	-1,841.6	-67.9	386,099.71	734,013.44	32° 3' 33.308 N	103° 34' 40.662 W	
11,500.0	89.65	182.11	9,811.4	-1,941.5	-71.5	385,999.78	734,009.75	32° 3' 32.320 N	103° 34' 40.713 W	
11,600.0	89.65	182.11	9,812.1	-2,041.4	-75.2	385,899.85	734,006.07	32° 3' 31.331 N	103° 34' 40.764 W	
11,700.0	89.65	182.11	9,812.7	-2,141.4	-78.9	385,799.92	734,002.39	32° 3' 30.343 N	103° 34' 40.815 W	
11,800.0	89.65	182.11	9,813.3	-2,241.3	-82.6	385,699.99	733,998.71	32° 3' 29.354 N	103° 34' 40.866 W	
11,900.0	89.65	182.11	9,813.9	-2,341.2	-86.3	385,600.06	733,995.03	32° 3' 28.365 N	103° 34' 40.917 W	
12,000.0	89.65	182.11	9,814.5	-2,441.2	-90.0	385,500.13	733,991.34	32° 3' 27.377 N	103° 34' 40.968 W	
12,100.0	89.65	182.11	9,815.1	-2,541.1	-93.6	385,400.20	733,987.66	32° 3' 26.388 N	103° 34' 41.019 W	
12,200.0	89.65	182.11	9,815.7	-2,641.0	-97.3	385,300.27	733,983.98	32° 3' 25.399 N	103° 34' 41.070 W	
12,300.0	89.65	182.11	9,816.3	-2,741.0	-101.0	385,200.34	733,980.30	32° 3' 24.411 N	103° 34' 41.121 W	
12,400.0	89.65	182.11	9,817.0	-2,840.9	-104.7	385,100.41	733,976.61	32° 3' 23.422 N	103° 34' 41.172 W	
12,500.0	89.65	182.11	9,817.6	-2,940.8	-108.4	385,000.48	733,972.93	32° 3' 22.434 N	103° 34' 41.222 W	
12,600.0	89.65	182.11	9,818.2	-3,040.7	-112.0	384,900.55	733,969.25	32° 3' 21.445 N	103° 34' 41.273 W	
12,700.0	89.65	182.11	9,818.8	-3,140.7	-115.7	384,800.62	733,965.57	32° 3' 20.456 N	103° 34' 41.324 W	
12,800.0	89.65	182.11	9,819.4	-3,240.6	-119.4	384,700.69	733,961.89	32° 3' 19.468 N	103° 34' 41.375 W	
12,900.0	89.65	182.11	9,820.0	-3,340.5	-123.1	384,600.76	733,958.20	32° 3' 18.479 N	103° 34' 41.426 W	
13,000.0	89.65	182.11	9,820.6	-3,440.5	-126.8	384,500.83	733,954.52	32° 3' 17.490 N	103° 34' 41.477 W	
13,100.0	89.65	182.11	9,821.2	-3,540.4	-130.5	384,400.90	733,950.84	32° 3' 16.502 N	103° 34' 41.528 W	
13,200.0	89.65	182.11	9,821.9	-3,640.3	-134.1	384,300.97	733,947.16	32° 3' 15.513 N	103° 34' 41.579 W	
13,300.0	89.65	182.11	9,822.5	-3,740.3	-137.8	384,201.04	733,943.47	32° 3' 14.524 N	103° 34' 41.630 W	
13,400.0	89.65	182.11	9,823.1	-3,840.2	-141.5	384,101.11	733,939.79	32° 3' 13.536 N	103° 34' 41.681 W	
13,500.0	89.65	182.11	9,823.7	-3,940.1	-145.2	384,001.18	733,936.11	32° 3' 12.547 N	103° 34' 41.731 W	
13,600.0	89.65	182.11	9,824.3	-4,040.1	-148.9	383,901.25	733,932.43	32° 3' 11.559 N	103° 34' 41.782 W	
13,700.0	89.65	182.11	9,824.9	-4,140.0	-152.6	383,801.32	733,928.75	32° 3' 10.570 N	103° 34' 41.833 W	
13,800.0	89.65	182.11	9,825.5	-4,239.9	-156.2	383,701.39	733,925.06	32° 3' 9.581 N	103° 34' 41.884 W	
13,900.0	89.65	182.11	9,826.1	-4,339.8	-159.9	383,601.46	733,921.38	32° 3' 8.593 N	103° 34' 41.935 W	
14,000.0	89.65	182.11	9,826.7	-4,439.8	-163.6	383,501.53	733,917.70	32° 3' 7.604 N	103° 34' 41.986 W	
14,100.0	89.65	182.11	9,827.4	-4,539.7	-167.3	383,401.60	733,914.02	32° 3' 6.615 N	103° 34' 42.037 W	
14,204.9	89.65	182.11	9,828.0	-4,644.5	-171.1	383,296.77	733,910.15	32° 3' 5.578 N	103° 34' 42.090 W	
14204.9' MD PBHL - PBHL Salado Draw 9 A3CN Fed Com #1H										



Stryker Directional Planning Report - Geographic



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Salado Draw 9 A3CN Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Project:	Lea County N.M.	MD Reference:	3308 + 20 @ 3328.0usft (Patterson 36)
Site:	Section 9-26S-33E Salado Draw 9 A3CN Fed Com #1H	North Reference:	Grid
Well:	Salado Draw 9 A3CN Fed Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
LP Salado Draw 9 A3	0.00	0.00	9,803.0	-569.2	-40.9	387,372.07	734,040.43	32° 3' 45.898 N	103° 34' 40.245 W
- plan misses target center by 19.9usft at 10127.5usft MD (9803.1 TVD, -570.0 N, -21.0 E)									
- Point									
PBHL Salado Draw 9	0.00	0.00	9,828.0	-4,644.6	-171.1	383,296.73	733,910.15	32° 3' 5.578 N	103° 34' 42.090 W
- plan hits target center									
- Point									

Plan Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
9,230.1	9,230.1	0.0	0.0	9230.1' MD KOP
10,126.6	9,803.0	-569.1	-21.0	10126.6' MD LP
14,204.9	9,828.0	-4,644.5	-171.1	14204.9' MD PBHL



COMPANY: Mewbourne Oil Company
WELL: Salado Draw 9 A3CN Fed Com #1H
COUNTY: Lea County N.M.
DATUM: NAD 1927 (NADCON CONUS)

RIG: Patterson 36
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.82°

OFFICE: 936.582.7296

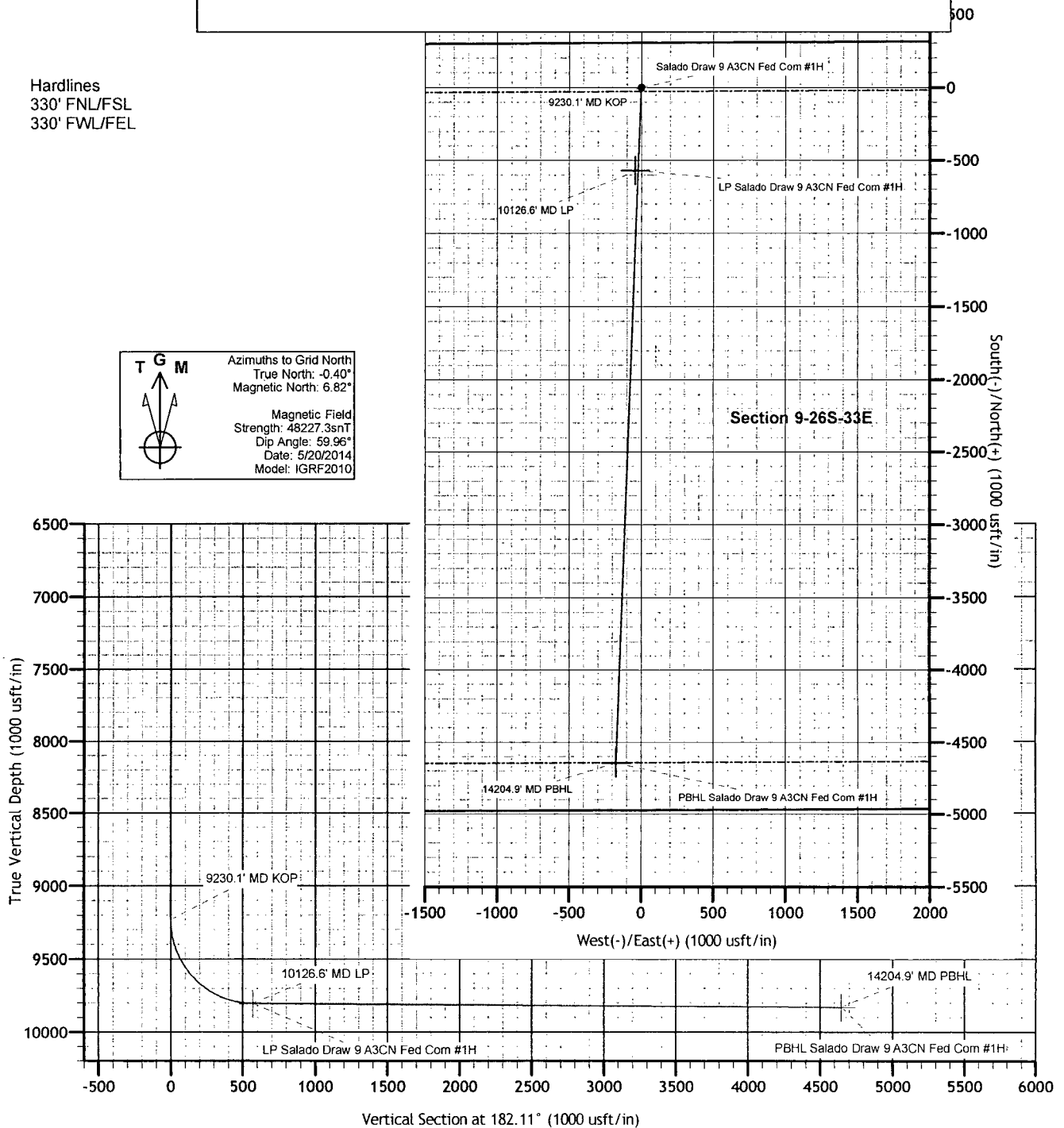
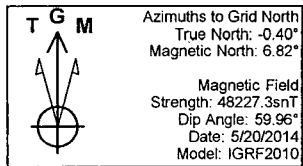
GEODETIC ZONE: New Mexico East 3001
3308 + 20 @ 3328.0usft (Patterson 36)
GROUND ELEVATION: 3308.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	387941.30	734081.30	32° 3' 51.528 N	103° 34' 39.724 W	

PLAN SECTIONS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	9230.1	0.00	0.00	9230.1	0.0	0.0	0.00	0.00	0.0	
3	10126.6	89.65	182.11	9803.0	-569.1	-21.0	10.00	182.11	569.5	
4	14204.9	89.65	182.11	9828.0	-4644.6	-171.1	0.00	0.00	4647.7	PBHL Salado Draw 9 A3CN Fed Com #1H

Hardlines
330' FNL/FSL
330' FWL/FEL



Notes Regarding Blowout Preventer

Mewbourne Oil Company

Salado Draw 9 A3CN Federal Com #1H

305' FNL & 2355' FWL (SHL)

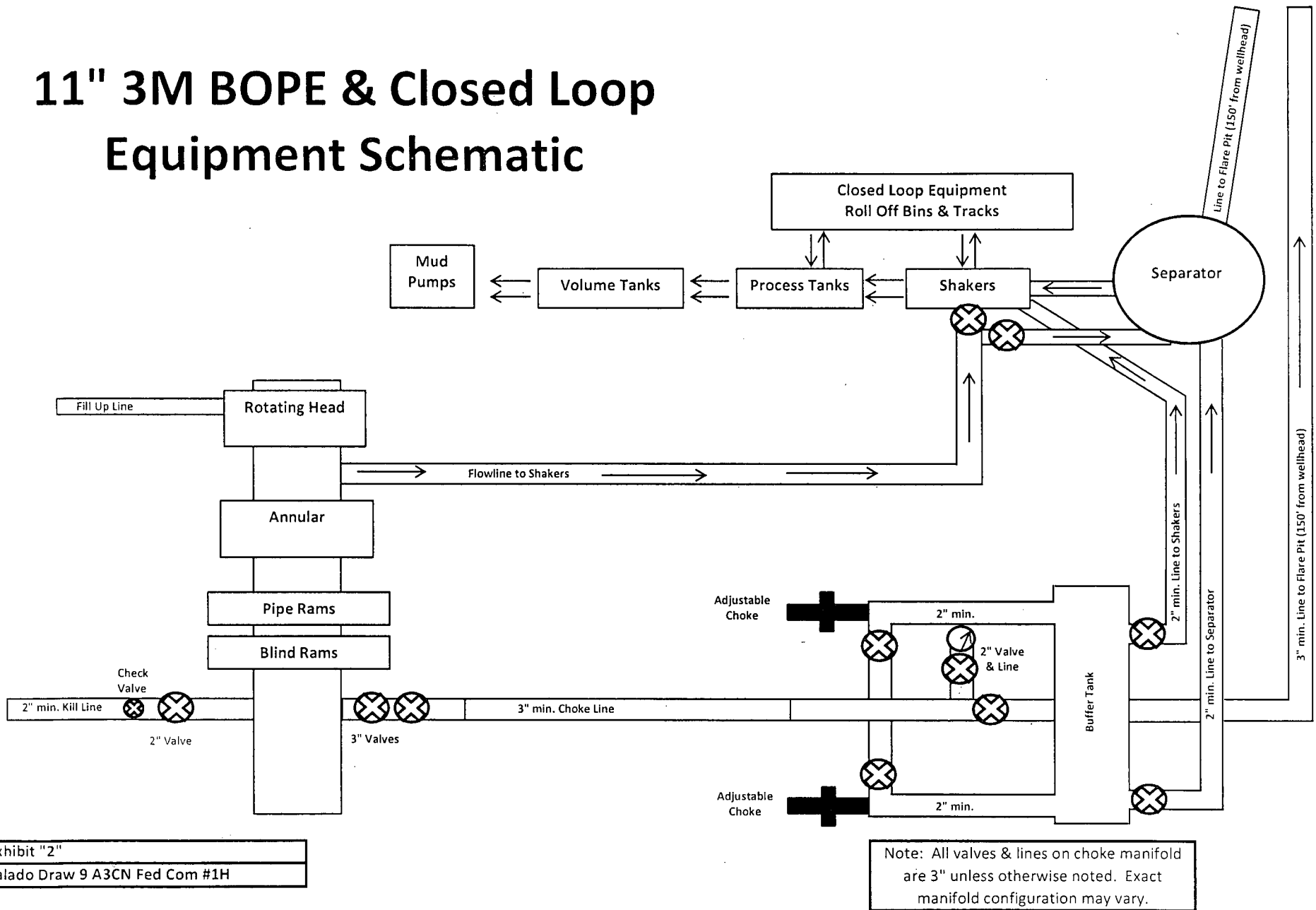
Sec 9-T26S-R33E

Lea County, New Mexico

- I. Drilling nipple (bell nipple) to be constructed so that it can be removed without the use of a welder through the opening of the rotary table, with minimum internal diameter equal to blowout preventer bore.
- II. Blowout preventer and all fittings must be in good condition with a minimum 3000 psi working pressure on 9 5/8" and 7" casing.
- III. Safety valve must be available on the rig floor at all times with proper connections to install in the drill string. Valve must be full bore with minimum 3000 psi working pressure.
- IV. Equipment through which bit must pass shall be at least as large as internal diameter of the casing.
- V. A kelly cock shall be installed on the kelly at all times.

Blowout preventer closing equipment to include and accumulator of at least 40 gallon capacity, two independent sources of pressure on closing unit, and meet all other API specifications.

11" 3M BOPE & Closed Loop Equipment Schematic



13 5/8" 2M BOPE & Closed Loop Equipment Schematic

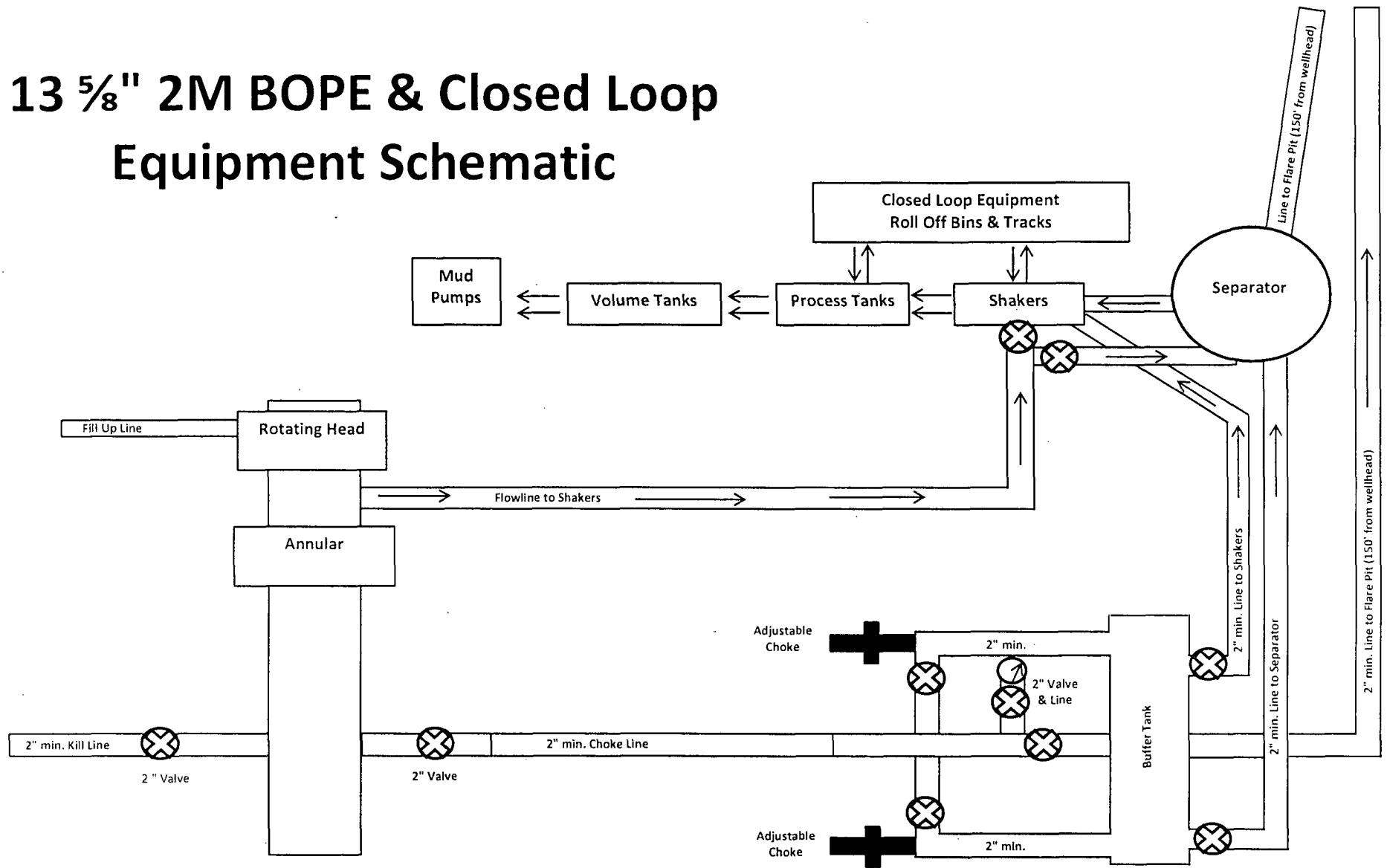


EXHIBIT "2A"

Salado Draw 9 A3CN Fed Com #1H

Closed Loop Pad Dimensions 280' x 320'

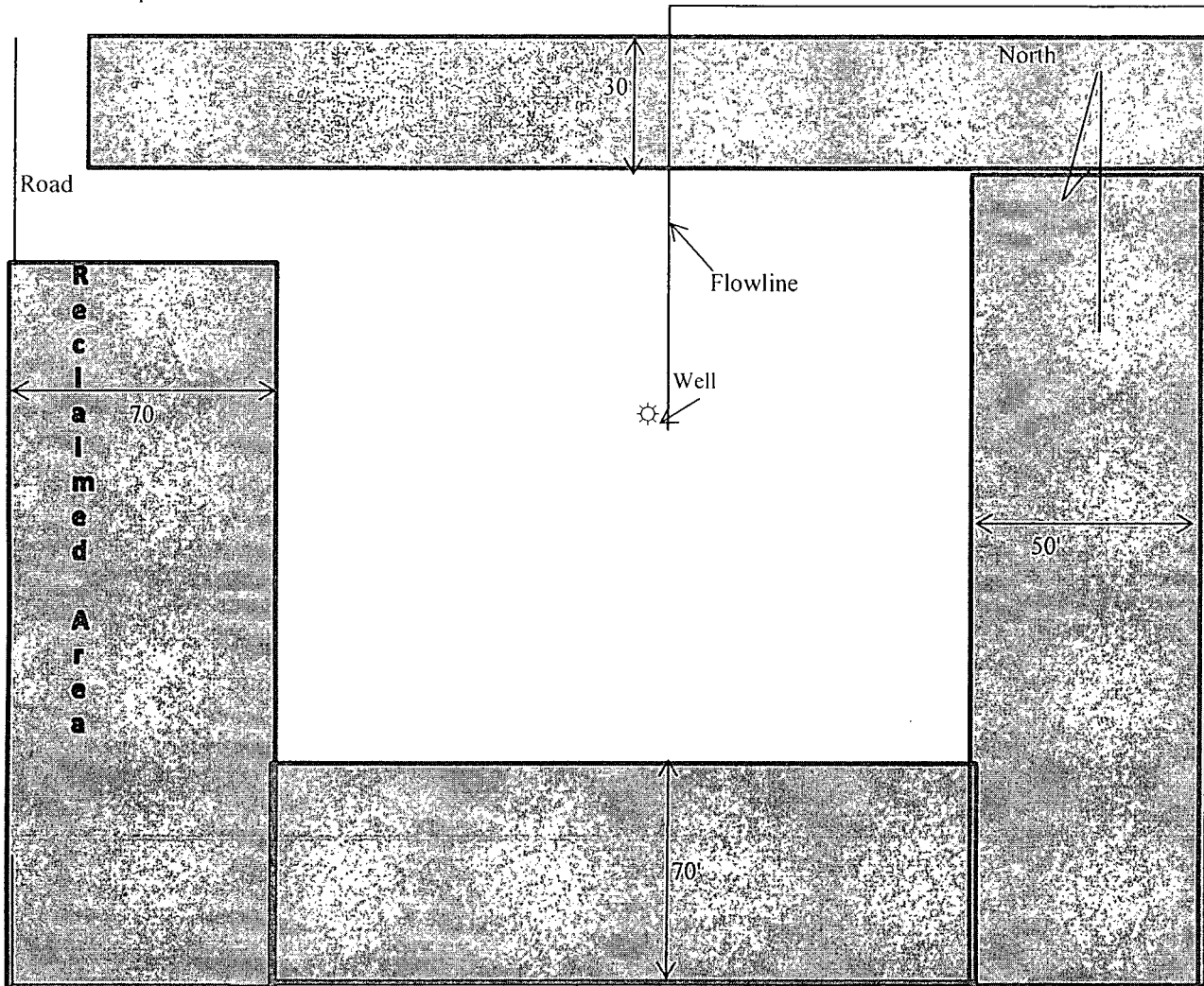


Exhibit 6

Mewbourne Oil Company
Salado Draw 9 A3CN Fed Com #1H
305' FNL & 2355' FWL
Sec. 9 T26S R33E
Lea County, NM

HOBBSOCD

FEB 12 2015

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Attachment: Salado Draw "9" A3CN Fed COM #1-H

BLM Serial No.: NMNM 1027-A – T26S, R33E, Section 9: N/2, Lea County, NM

Current Record Title and Operating Rights owner is ConocoPhillips Company.

Mewbourne Oil Company will earn an Assignment of Operating Rights from ConocoPhillips Company per the terms of that certain Farmout and Joint Development Agreement dated February 17, 2012 once our well is drilled and production has been established.

ConocoPhillips Company, P. O. Box 2197, Houston, Texas 77252-2197, Attn: Mr. Renaldo Works

(281) 206-5350

United States Department of the Interior
Bureau of Land Management
Carlsbad Field Office
620 E Greene Street
Carlsbad, New Mexico 88201-1287

Statement Accepting Responsibility for Operations

Operator Name: Mewbourne Oil Company
Street or Box: P.O. Box 5270
City, State: Hobbs, New Mexico
Zip Code: 88241

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted of the leased land or portion thereof, as described below.

Lease Number: NMNM 000127-A & Fee

Legal Description of Land: Section 9, T-26S, R-33E Lea County, New Mexico.
Location @ 305' FNL & 2355' FWL.

Formation (if applicable): Bone Spring

Bond Coverage: \$150,000

BLM Bond File: NM1693 nationwide, NMB000919

Authorized Signature: B. B. For Robin Terrell
Name: Robin Terrell
Title: District Manager
Date: 5-21-14