

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM01165
2. Name of Operator MEWBOURNE OIL COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address HOBBS, NM 88241		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 575-393-5905		8. Well Name and No. HENRY 8 PM FED COM 1H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 8 T20S R29E SESE 0550FSL 0150FEL 32.582119 N Lat, 104.088597 W Lon		9. API Well No. 30-015-41955-00-X1
		10. Field and Pool, or Exploratory WINCHESTER
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

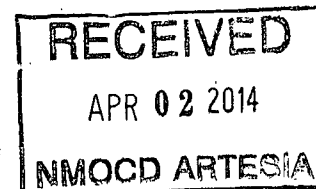
Please see attached changes to the original APD

Bond on file: NM1693 nationwide & NMB000919

Accepted for record

NMOCD 107
4-2-2014

SEE ATTACHED FOR
CONDITIONS OF APPROVAL



14. I hereby certify that the foregoing is true and correct. Electronic Submission #240339 verified by the BLM Well Information System For MEWBOURNE OIL COMPANY, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER MASON on 03/28/2014 (14JAM0341SE)	
Name (Printed/Typed) LEVI JACKSON	Title DRLG ENGINEER
Signature (Electronic Submission)	Date 03/28/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS	Title PETROLEUM ENGINEER	Date 03/28/2014
Conditions of approval, if any, are attached. Approval of this notice 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.		Office Carlsbad

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

MEWBOURNE OIL COMPANY

701 S. CECIL
PO BOX 5270
HOBBS, NM 88240
(575) 393-5905
(575) 397-6252 FAX

Mewbourne Oil Company has an approved APD for the Henry 8 PM Fed Com #1H.

MOC is requesting the following changes:

12 1/4" hole x 9 5/8" csg section

If returns are lost while drlg 12 1/4" hole thru Capitan Reef, a DV tool & external csg packer will be added to casing design @ 1500'.

12 1/4" hole TD will remain @ 3400'.

Cementing Program:

1st Stage: 250 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 calculated to 1500' w/25% excess.

External casing packer & DV tool @ 1500' for 2nd stage cmt.

2nd Stage: 200 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 calculated to surface w/25% excess.

8 3/4" hole x 7" csg section

Change landing point to 7823' TVD.

MOC proposes to drill a vertical wellbore to 7346' & kick off to horizontal @ 7823' TVD. The well will be drilled to 12431' MD (7713' TVD). See attached directional plan.

Casing Program:

<u>Hole Size</u>	<u>Casing</u>	<u>Wt/Ft.</u>	<u>Grade</u>	<u>Depth</u>	<u>Jt Type</u>
8 3/4"	7" (new)	26#	P110	0'-7346' MD	LT&C
8 3/4"	7" (new)	26#	P110	7346'-8108' MD	BT&C

Cementing Program:

375 sacks Class H light cement (35:65:4) with fluid loss, LCM, & salt additives.
Yield at 2.12 cuft/sk. Mix water @ 11.32 gal/sk. 400 sacks Class H cement
containing fluid loss additives. Yield at 1.18 cuft/sk. Mix water @ 5.22 gal/sk.
Cmt calculated to tie back 50' above Capitan Reef @ 1350' w/25% excess.



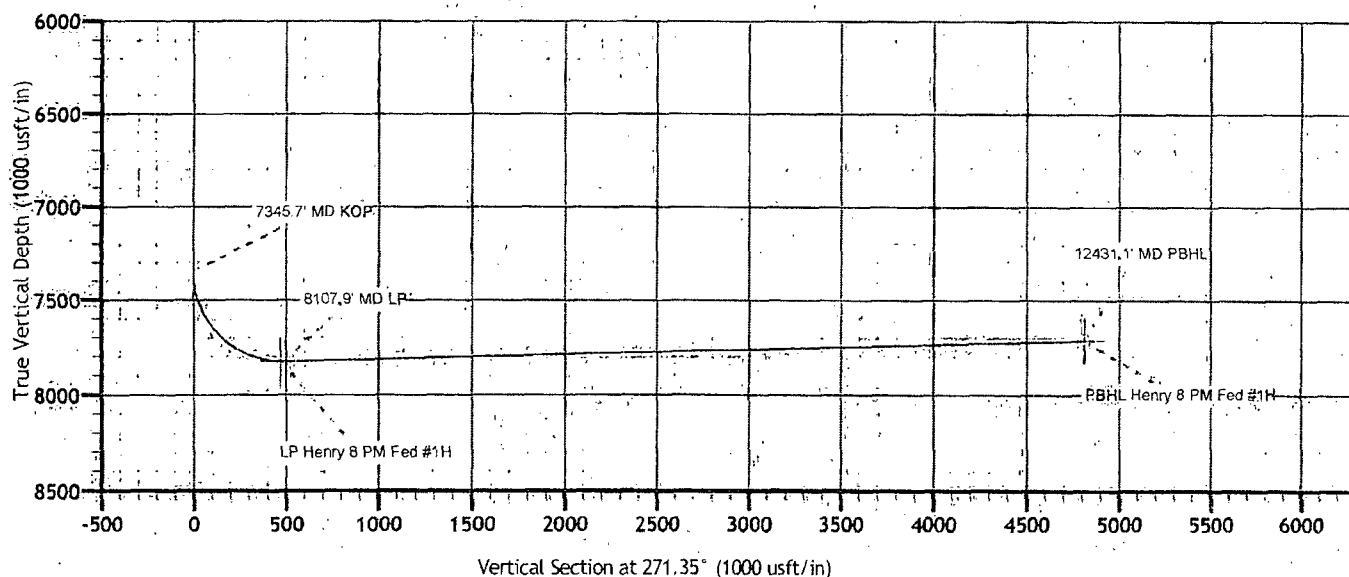
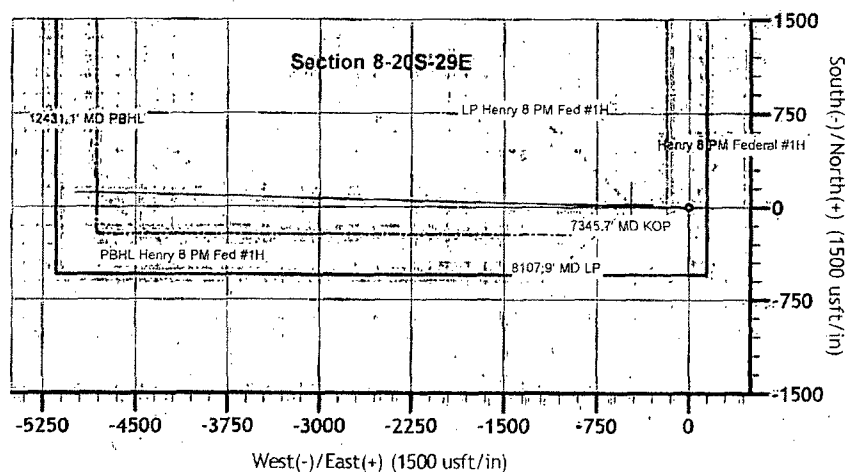
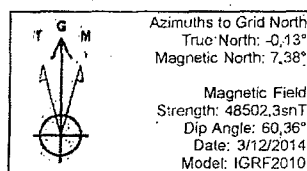
COMPANY: Mewbourne Oil Company
 WELL: Henry 8 PM Federal #1H
 COUNTY: Eddy County, New Mexico
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson #41



GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.38°

GEODETIC ZONE: New Mexico East 3001						
GL 3273 + 20 @ 3293.0usft (Patterson #160)						
GROUND ELEVATION: 3273.0						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	575573.30	575383.70	32° 34' 55.628 N	104° 5' 18.951 W	

PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	7345.7	0.00	0.00	7345.7	0.0	0.0	0.00	0.00	0.0	
3	8107.9	91.46	271.35	7823.0	11.6	-489.5	12.00	271.35	489.6	
4	12431.1	91.46	271.35	7713.0	113.5	-4810.1	0.00	0.00	4811.5	PBHL Henry 8 PM Fed #1H





Mewbourne Oil Company .

Eddy County, New Mexico

Section 8-20S-29E Henry 8 PM Federal #1H

Henry 8 PM Federal #1H

Original Hole

Plan: Plan#1

Standard Planning Report

12 March, 2014



Stryker Directional Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Henry 8 PM Federal #1H
Company:	Mewbourne Oil Company	TVD Reference:	GL 3273 + 20 @ 3293.0usft (Patterson #160)
Project:	Eddy County, New Mexico	MD Reference:	GL 3273 + 20 @ 3293.0usft (Patterson #160)
Site:	Section 8-20S-29E Henry 8 PM Federal #1H	North Reference:	Grid
Well:	Henry 8 PM Federal #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

Project:	Eddy County, New Mexico		
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 8-20S-29E Henry 8 PM Federal #1H					
Site Position:		Northing:	575,573.30 usft	Latitude:	32° 34' 55.628 N
From:	Map	Easting:	575,383.70 usft	Longitude:	104° 5' 18.951 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.13 °

Well:	Henry 8 PM Federal #1H					
Well Position	+N-S	0.0 usft	Northing:	575,573.30 usft	Latitude:	32° 34' 55.628 N
	+E-W	0.0 usft	Easting:	575,383.70 usft	Longitude:	104° 5' 18.951 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,273.0 usft

Wellbore:	Original Hole
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/12/2014	7.52	60.36	48,502

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	271.35

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	
7,345.7	0.00	0.00	7,345.7	0.0	0.0	0.00	0.00	0.00	0.00	
8,107.9	91.46	271.35	7,823.0	11.6	-489.5	12.00	12.00	-11.63	271.35	
12,431.1	91.46	271.35	7,713.0	113.5	-4,810.1	0.00	0.00	0.00	0.00	PBHL Henry 8 PM I

Stryker Directional Planning Report



Database:	EDM 5000: Single User Db	Local Co-ordinate Reference:	Well Henry 8 PM Federal #1H
Company:	Mewbourne Oil Company	TVD Reference:	GL 3273 + 20 @ 3293.0usft (Patterson #160)
Project:	Eddy County New Mexico	MD Reference:	GL 3273 + 20 @ 3293.0usft (Patterson #160)
Site:	Section 8-20S-29E Henry 8 PM Federal #1H	North Reference:	Grid
Well:	Henry 8 PM Federal #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
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

Stryker Directional Planning Report



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Well:	Henry 8 PM Federal #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)
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
7,345.7	0.00	0.00	7,345.7	0.0	0.0	0.0	0.00	0.00	0.00
7345.7 MD KOP									
7,350.0	0.52	271.35	7,350.0	0.0	0.0	0.0	12.00	12.00	0.00
7,375.0	3.52	271.35	7,375.0	0.0	-0.9	0.9	12.00	12.00	0.00
7,400.0	6.52	271.35	7,399.9	0.1	-3.1	3.1	12.00	12.00	0.00
7,425.0	9.52	271.35	7,424.6	0.2	-6.6	6.6	12.00	12.00	0.00
7,450.0	12.52	271.35	7,449.2	0.3	-11.3	11.3	12.00	12.00	0.00
7,475.0	15.52	271.35	7,473.4	0.4	-17.4	17.4	12.00	12.00	0.00
7,500.0	18.52	271.35	7,497.3	0.6	-24.7	24.7	12.00	12.00	0.00
7,525.0	21.52	271.35	7,520.8	0.8	-33.3	33.3	12.00	12.00	0.00
7,550.0	24.52	271.35	7,543.8	1.0	-43.0	43.0	12.00	12.00	0.00
7,575.0	27.52	271.35	7,566.3	1.3	-54.0	54.0	12.00	12.00	0.00
7,600.0	30.52	271.35	7,588.1	1.6	-66.1	66.1	12.00	12.00	0.00
7,625.0	33.52	271.35	7,609.3	1.9	-79.4	79.4	12.00	12.00	0.00
7,650.0	36.52	271.35	7,629.8	2.2	-93.7	93.7	12.00	12.00	0.00
7,675.0	39.52	271.35	7,649.5	2.6	-109.1	109.1	12.00	12.00	0.00
7,700.0	42.52	271.35	7,668.4	3.0	-125.5	125.5	12.00	12.00	0.00
7,725.0	45.52	271.35	7,686.3	3.4	-142.9	142.9	12.00	12.00	0.00
7,750.0	48.52	271.35	7,703.4	3.8	-161.1	161.2	12.00	12.00	0.00
7,775.0	51.52	271.35	7,719.5	4.3	-180.3	180.3	12.00	12.00	0.00
7,800.0	54.52	271.35	7,734.5	4.7	-200.3	200.3	12.00	12.00	0.00
7,825.0	57.52	271.35	7,748.5	5.2	-221.0	221.0	12.00	12.00	0.00
7,850.0	60.52	271.35	7,761.3	5.7	-242.4	242.5	12.00	12.00	0.00
7,875.0	63.52	271.35	7,773.1	6.2	-264.5	264.5	12.00	12.00	0.00
7,900.0	66.52	271.35	7,783.6	6.8	-287.1	287.2	12.00	12.00	0.00
7,925.0	69.52	271.35	7,793.0	7.3	-310.3	310.4	12.00	12.00	0.00
7,950.0	72.52	271.35	7,801.1	7.9	-333.9	334.0	12.00	12.00	0.00
7,975.0	75.52	271.35	7,808.0	8.4	-357.9	358.0	12.00	12.00	0.00
8,000.0	78.52	271.35	7,813.6	9.0	-382.3	382.4	12.00	12.00	0.00
8,025.0	81.52	271.35	7,817.9	9.6	-406.9	407.0	12.00	12.00	0.00
8,050.0	84.52	271.35	7,821.0	10.2	-431.7	431.8	12.00	12.00	0.00
8,075.0	87.52	271.35	7,822.7	10.8	-456.6	456.8	12.00	12.00	0.00
8,100.0	90.52	271.35	7,823.1	11.4	-481.6	481.8	12.00	12.00	0.00

Stryker Directional Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well: Henry 8 PM Federal #1H
Company:	Mowbourne Oil Company	TVD Reference:	GL 3273 + 20 @ 3293.0usft (Patterson #160)
Project:	Eddy County, New Mexico	MD Reference:	GL 3273 + 20 @ 3293.0usft (Patterson #160)
Site:	Section 8-20S-29E, Henry 8 PM Federal #1H	North Reference:	Grid
Well:	Henry 8 PM Federal #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)
8,107.9	91.46	271.35	7,823.0	11.6	-489.5	489.7	11.93	11.93	0.00
8107.9 MD/BP									
8,200.0	91.46	271.35	7,820.7	13.7	-581.6	581.7	0.00	0.00	0.00
8,300.0	91.46	271.35	7,818.1	16.1	-681.5	681.7	0.00	0.00	0.00
8,400.0	91.46	271.35	7,815.6	18.4	-781.5	781.7	0.00	0.00	0.00
8,500.0	91.46	271.35	7,813.0	20.8	-881.4	881.6	0.00	0.00	0.00
8,600.0	91.46	271.35	7,810.5	23.2	-981.3	981.6	0.00	0.00	0.00
8,700.0	91.46	271.35	7,807.9	25.5	-1,081.3	1,081.6	0.00	0.00	0.00
8,800.0	91.46	271.35	7,805.4	27.9	-1,181.2	1,181.5	0.00	0.00	0.00
8,900.0	91.46	271.35	7,802.9	30.2	-1,281.2	1,281.5	0.00	0.00	0.00
9,000.0	91.46	271.35	7,800.3	32.6	-1,381.1	1,381.5	0.00	0.00	0.00
9,100.0	91.46	271.35	7,797.8	35.0	-1,481.0	1,481.4	0.00	0.00	0.00
9,200.0	91.46	271.35	7,795.2	37.3	-1,581.0	1,581.4	0.00	0.00	0.00
9,300.0	91.46	271.35	7,792.7	39.7	-1,680.9	1,681.4	0.00	0.00	0.00
9,400.0	91.46	271.35	7,790.1	42.0	-1,780.8	1,781.3	0.00	0.00	0.00
9,500.0	91.46	271.35	7,787.6	44.4	-1,880.8	1,881.3	0.00	0.00	0.00
9,600.0	91.46	271.35	7,785.0	46.7	-1,980.7	1,981.3	0.00	0.00	0.00
9,700.0	91.46	271.35	7,782.5	49.1	-2,080.7	2,081.2	0.00	0.00	0.00
9,800.0	91.46	271.35	7,780.0	51.5	-2,180.6	2,181.2	0.00	0.00	0.00
9,900.0	91.46	271.35	7,777.4	53.8	-2,280.5	2,281.2	0.00	0.00	0.00
10,000.0	91.46	271.35	7,774.9	56.2	-2,380.5	2,381.2	0.00	0.00	0.00
10,100.0	91.46	271.35	7,772.3	58.5	-2,480.4	2,481.1	0.00	0.00	0.00
10,200.0	91.46	271.35	7,769.8	60.9	-2,580.4	2,581.1	0.00	0.00	0.00
10,300.0	91.46	271.35	7,767.2	63.3	-2,680.3	2,681.1	0.00	0.00	0.00
10,400.0	91.46	271.35	7,764.7	65.6	-2,780.2	2,781.0	0.00	0.00	0.00
10,500.0	91.46	271.35	7,762.1	68.0	-2,880.2	2,881.0	0.00	0.00	0.00
10,600.0	91.46	271.35	7,759.6	70.3	-2,980.1	2,981.0	0.00	0.00	0.00
10,700.0	91.46	271.35	7,757.0	72.7	-3,080.1	3,080.9	0.00	0.00	0.00
10,800.0	91.46	271.35	7,754.5	75.1	-3,180.0	3,180.9	0.00	0.00	0.00
10,900.0	91.46	271.35	7,752.0	77.4	-3,279.9	3,280.9	0.00	0.00	0.00
11,000.0	91.46	271.35	7,749.4	79.8	-3,379.9	3,380.8	0.00	0.00	0.00
11,100.0	91.46	271.35	7,746.9	82.1	-3,479.8	3,480.8	0.00	0.00	0.00
11,200.0	91.46	271.35	7,744.3	84.5	-3,579.8	3,580.8	0.00	0.00	0.00
11,300.0	91.46	271.35	7,741.8	86.8	-3,679.7	3,680.7	0.00	0.00	0.00
11,400.0	91.46	271.35	7,739.2	89.2	-3,779.6	3,780.7	0.00	0.00	0.00
11,500.0	91.46	271.35	7,736.7	91.6	-3,879.6	3,880.7	0.00	0.00	0.00
11,600.0	91.46	271.35	7,734.1	93.9	-3,979.5	3,980.6	0.00	0.00	0.00
11,700.0	91.46	271.35	7,731.6	96.3	-4,079.5	4,080.6	0.00	0.00	0.00
11,800.0	91.46	271.35	7,729.1	98.6	-4,179.4	4,180.6	0.00	0.00	0.00
11,900.0	91.46	271.35	7,726.5	101.0	-4,279.3	4,280.5	0.00	0.00	0.00
12,000.0	91.46	271.35	7,724.0	103.4	-4,379.3	4,380.5	0.00	0.00	0.00
12,100.0	91.46	271.35	7,721.4	105.7	-4,479.2	4,480.5	0.00	0.00	0.00
12,200.0	91.46	271.35	7,718.9	108.1	-4,579.2	4,580.4	0.00	0.00	0.00
12,300.0	91.46	271.35	7,716.3	110.4	-4,679.1	4,680.4	0.00	0.00	0.00
12,400.0	91.46	271.35	7,713.8	112.8	-4,779.0	4,780.4	0.00	0.00	0.00
12,431.1	91.46	271.35	7,713.0	113.5	-4,810.1	4,811.5	0.00	0.00	0.00
12431.1 MD/PBHL									



Stryker Directional Planning Report



Database:	EDM:5000.1/Single User Db	Local Co-ordinate Reference:	Well Henry 8 PM Federal #1H
Company:	Mewbourne Oil Company	TVD Reference:	GL 3273 + 20 @ 3293.0usft (Patterson #160)
Project:	Eddy County, New Mexico	MD Reference:	GL 3273 + 20 @ 3293.0usft (Patterson #160)
Site:	Section 8-20S-29E Henry 8 PM Federal #1H	North Reference:	Grid
Well:	Henry 8 PM Federal #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

Design Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir	TVD	+N/S	+E/W	Northing	Easting	
Shape		(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	
PBHL Henry 8 PM Fe		0.00	0.00	7,713.0	113.5	-4,810.1	575,686.83	570,573.58	32° 34' 56.857 N 104° 6' 15.166 W
- plan hits target center									
- Point									
LP Henry 8 PM Fed #		0.00	0.00	7,823.0	25.5	-472.0	575,598.76	574,911.68	32° 34' 55.890 N 104° 5' 24.467 W
- plan misses target center by 14.3usft at 8090.7usft MD (7823.1 TVD, 11.1 N, -472.4 E)									
- Point									

Plan Annotations				
Measured	Vertical	Local Coordinates		Comment
Depth	Depth	+N/S	+E/W	
(usft)	(usft)	(usft)	(usft)	
7,345.7	7,345.7	0.0	0.0	7345.7' MD KOP
8,107.9	7,823.0	11.6	-489.5	8107.9' MD LP
12,431.1	7,713.0	113.5	-4,810.1	12431.1' MD PBHL



Mewbourne Oil Company .

Eddy County, New Mexico

Section 8-20S-29E Henry 8 PM Federal #1H

Henry 8 PM Federal #1H

Original Hole

Plan: Plan#1 .

Standard Planning Report - Geographic

12 March, 2014



Conditions of Approval

Contingency DV tool at 1500'

1. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

a. First stage to DV tool:

- ☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage.

b. Second stage above DV tool:

- ☒ Cement to surface. If cement does not circulate, contact the appropriate BLM office.