

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised July 16, 2010
Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-38473	Pool Code 97565	Pool Name N Seven Rivers Gloriaeta Yeso
Property Code 38477	Property Name LONG DRAW "4" MP	Well Number 1H
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3490'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	4	20 S	25 E		430	SOUTH	120	WEST	EDDY

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
P	4	20S	25E		430	South	330	East	Eddy
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SURFACE LOCATION Lat - N 32°35'46.94" Long - W 104°29'51.48" NMSPCE- N 580710.701 E 449400.282 (NAD-27)	RECEIVED FEB 22 2011 NMOSD ARTESIA	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 at 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. Jackie Lathan 2/16/11 Signature Date Jackie Lathan Printed Name jathan@mewbourne.com Email Address
		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. GARY L. JONES 2010 Date Surveyed GARY L. JONES Signature & Seal of Professional Surveyor 23876 Professional Land Surveyor Certificate No. Gary L. Jones 7977 BASIN SURVEYS 23876

BHL

120'

430'

Mewbourne Oil Co

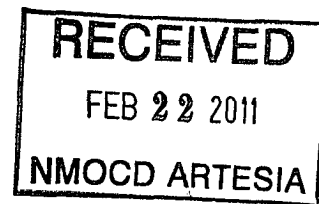
Eddy, New Mexico

Sec 4-20S-25E

Long Draw 4 MP #1H

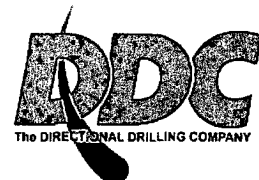
Wellbore #1

Plan: Design #1



DDC Well Planning Report

04 February, 2011



DDC

Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Long Draw 4 MP #1H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3509.0usft (Patterson UTI #101)
Project:	Eddy, New Mexico	MD Reference:	WELL @ 3509.0usft (Patterson UTI #101)
Site:	Sec 4-20S-25E	North Reference:	Grid
Well:	Long Draw 4 MP #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Eddy, 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	Sec 4-20S-25E		
Site Position:		Northing:	581,878.03 usft
From:	Map	Easting:	452,952.66 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 35' 58.542 N
		Longitude:	104° 29' 9.974 W
		Grid Convergence:	-0.08 °

Well	Long Draw 4 MP #1H		
Well Position	+N/-S	-1,167.3 usft	Northing: 580,710.70 usft
	+E/-W	-3,552.4 usft	Easting: 449,400.28 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 32° 35' 46.938 N
			Longitude: 104° 29' 51.480 W
			Ground Level: 3,490.0 usft

Wellbore	Wellbore #1		
-----------------	-------------	--	--

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/4/2011	8.08	60.38	48,770

Design	Design #1		
---------------	-----------	--	--

Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	90.52

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	
1,936.1	0.00	0.00	1,936.1	0.0	0.0	0.00	0.00	0.00	0.00	
2,827.6	89.15	90.52	2,509.0	-5.1	564.4	10.00	10.00	10.15	90.52	
7,133.7	89.15	90.52	2,573.0	-43.9	4,869.9	0.00	0.00	0.00	0.00	PBHL Long Draw 4

DDC Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Long Draw 4 MP #1H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3509.0usft (Patterson UTI #101)
Project:	Eddy, New Mexico	MD Reference:	WELL @ 3509.0usft (Patterson UTI #101)
Site:	Sec 4-20S-25E	North Reference:	Grid
Well:	Long Draw 4 MP #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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
Build 10°/100' @ 1936' MD									
1,936.1	0.00	0.00	1,936.1	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	6.39	90.52	1,999.9	0.0	3.6	3.6	10.00	10.00	0.00
2,100.0	16.39	90.52	2,097.8	-0.2	23.3	23.3	10.00	10.00	0.00
2,200.0	26.39	90.52	2,190.8	-0.5	59.7	59.7	10.00	10.00	0.00
2,300.0	36.39	90.52	2,276.0	-1.0	111.7	111.7	10.00	10.00	0.00
2,400.0	46.39	90.52	2,351.0	-1.6	177.8	177.8	10.00	10.00	0.00
2,500.0	56.39	90.52	2,413.3	-2.3	255.8	255.8	10.00	10.00	0.00
2,600.0	66.39	90.52	2,461.1	-3.1	343.5	343.5	10.00	10.00	0.00
2,700.0	76.39	90.52	2,493.0	-3.9	438.1	438.1	10.00	10.00	0.00
2,800.0	86.39	90.52	2,507.9	-4.8	536.9	536.9	10.00	10.00	0.00
EOB @ 2828' MD / 89.15° Inc / 90.52° Azm / 2509' TVD									
2,827.6	89.15	90.52	2,509.0	-5.1	564.4	564.4	10.00	10.00	0.00
2,900.0	89.15	90.52	2,510.1	-5.7	636.8	636.9	0.00	0.00	0.00
3,000.0	89.15	90.52	2,511.6	-6.6	736.8	736.8	0.00	0.00	0.00
3,100.0	89.15	90.52	2,513.0	-7.5	836.8	836.8	0.00	0.00	0.00
3,200.0	89.15	90.52	2,514.5	-8.4	936.8	936.8	0.00	0.00	0.00
3,300.0	89.15	90.52	2,516.0	-9.3	1,036.8	1,036.8	0.00	0.00	0.00
3,400.0	89.15	90.52	2,517.5	-10.2	1,136.7	1,136.8	0.00	0.00	0.00
3,500.0	89.15	90.52	2,519.0	-11.1	1,236.7	1,236.8	0.00	0.00	0.00
3,600.0	89.15	90.52	2,520.5	-12.1	1,336.7	1,336.8	0.00	0.00	0.00
3,700.0	89.15	90.52	2,522.0	-13.0	1,436.7	1,436.8	0.00	0.00	0.00
3,800.0	89.15	90.52	2,523.4	-13.9	1,536.7	1,536.8	0.00	0.00	0.00
3,900.0	89.15	90.52	2,524.9	-14.8	1,636.7	1,636.7	0.00	0.00	0.00
4,000.0	89.15	90.52	2,526.4	-15.7	1,736.7	1,736.7	0.00	0.00	0.00
4,100.0	89.15	90.52	2,527.9	-16.6	1,836.6	1,836.7	0.00	0.00	0.00
4,200.0	89.15	90.52	2,529.4	-17.5	1,936.6	1,936.7	0.00	0.00	0.00
4,300.0	89.15	90.52	2,530.9	-18.4	2,036.6	2,036.7	0.00	0.00	0.00
4,400.0	89.15	90.52	2,532.4	-19.3	2,136.6	2,136.7	0.00	0.00	0.00
4,500.0	89.15	90.52	2,533.9	-20.2	2,236.6	2,236.7	0.00	0.00	0.00
4,600.0	89.15	90.52	2,535.3	-21.1	2,336.6	2,336.7	0.00	0.00	0.00
4,700.0	89.15	90.52	2,536.8	-22.0	2,436.6	2,436.7	0.00	0.00	0.00
4,800.0	89.15	90.52	2,538.3	-22.9	2,536.5	2,536.6	0.00	0.00	0.00
4,900.0	89.15	90.52	2,539.8	-23.8	2,636.5	2,636.6	0.00	0.00	0.00

DDC Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Long Draw 4 MP #1H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3509.0usft (Patterson UTI #101)
Project:	Eddy, New Mexico	MD Reference:	WELL @ 3509.0usft (Patterson UTI #101)
Site:	Sec 4-20S-25E	North Reference:	Grid
Well:	Long Draw 4 MP #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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)
5,000.0	89.15	90.52	2,541.3	-24.7	2,736.5	2,736.6	0.00	0.00	0.00
5,100.0	89.15	90.52	2,542.8	-25.6	2,836.5	2,836.6	0.00	0.00	0.00
5,200.0	89.15	90.52	2,544.3	-26.5	2,936.5	2,936.6	0.00	0.00	0.00
5,300.0	89.15	90.52	2,545.7	-27.4	3,036.5	3,036.6	0.00	0.00	0.00
5,400.0	89.15	90.52	2,547.2	-28.3	3,136.4	3,136.6	0.00	0.00	0.00
5,500.0	89.15	90.52	2,548.7	-29.2	3,236.4	3,236.6	0.00	0.00	0.00
5,600.0	89.15	90.52	2,550.2	-30.1	3,336.4	3,336.6	0.00	0.00	0.00
5,700.0	89.15	90.52	2,551.7	-31.0	3,436.4	3,436.5	0.00	0.00	0.00
5,800.0	89.15	90.52	2,553.2	-31.9	3,536.4	3,536.5	0.00	0.00	0.00
5,900.0	89.15	90.52	2,554.7	-32.8	3,636.4	3,636.5	0.00	0.00	0.00
6,000.0	89.15	90.52	2,556.1	-33.7	3,736.4	3,736.5	0.00	0.00	0.00
6,100.0	89.15	90.52	2,557.6	-34.6	3,836.3	3,836.5	0.00	0.00	0.00
6,200.0	89.15	90.52	2,559.1	-35.5	3,936.3	3,936.5	0.00	0.00	0.00
6,300.0	89.15	90.52	2,560.6	-36.4	4,036.3	4,036.5	0.00	0.00	0.00
6,400.0	89.15	90.52	2,562.1	-37.3	4,136.3	4,136.5	0.00	0.00	0.00
6,500.0	89.15	90.52	2,563.6	-38.2	4,236.3	4,236.5	0.00	0.00	0.00
6,600.0	89.15	90.52	2,565.1	-39.1	4,336.3	4,336.4	0.00	0.00	0.00
6,700.0	89.15	90.52	2,566.6	-40.0	4,436.2	4,436.4	0.00	0.00	0.00
6,800.0	89.15	90.52	2,568.0	-40.9	4,536.2	4,536.4	0.00	0.00	0.00
6,900.0	89.15	90.52	2,569.5	-41.8	4,636.2	4,636.4	0.00	0.00	0.00
7,000.0	89.15	90.52	2,571.0	-42.7	4,736.2	4,736.4	0.00	0.00	0.00
7,100.0	89.15	90.52	2,572.5	-43.6	4,836.2	4,836.4	0.00	0.00	0.00
TD @ 7134' MD / 2573' TVD									
7,133.7	89.15	90.52	2,573.0	-43.9	4,869.9	4,870.1	0.00	0.00	0.00

Design Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
PBHL Long Draw 4 M	0.00	0.00	2,573.0	-43.9	4,869.9	580,666.80	454,270.20	32° 35' 46.574 N	104° 28' 54.553 W
- plan hits target center									
- Point									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,936.1	1,936.1	0.0	0.0	Build 10°/100' @ 1936' MD
2,827.6	2,509.0	-5.1	564.4	EOB @ 2828' MD / 89.15° Inc / 90.52° Azm / 2509' TVD
7,133.7	2,573.0	-43.9	4,869.9	TD @ 7134' MD / 2573' TVD

MEWBOURNE OIL COMPANY

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

February 16, 2011

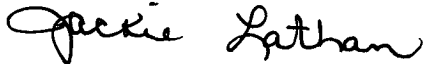
OIL CONSERVATION DIVISION
1301 W. GRAND AVENUE
ARTESIA, NM 88210

RE: Long Draw 4 MP #1H

Mewbourne Oil Company has submitted an APD electronically on 02/16/11. Please find enclosed a C-144 CLEZ, Directional plan, & C-102 showing surface & bottom hole locations.

If you have any questions please call me @ 575-393-5905.

Thank you,



Jackie Lathan
Mewbourne Oil Company
Hobbs Regulatory
575-393-5905
jlathan@mewbourne.com

