

Mewbourne Oil Co

Eddy, New Mexico

Sec 24-T19S-R25E

Wyatt Draw 24-25 NF Fed Com #1H

Wellbore #1

Plan: Design #1

DDC Well Planning Report

07 December, 2010

BEFORE THE OIL CONSERVATION DIVISION

Santa Fe, New Mexico

Case No. 14645 Exhibit No. 9

Submitted by:

MEWBOURNE OIL COMPANY

Hearing Date: May 12, 2011



DDC

Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Wyatt Draw 24-25 NF Fed Com #1H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3416.0usft (Patterson #101)
Project:	Eddy, New Mexico	MD Reference:	WELL @ 3416.0usft (Patterson #101)
Site:	Sec 24-T19S-R25E	North Reference:	Grid
Well:	Wyatt Draw 24-25 NF Fed Com #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 24-T19S-R25E		
Site Position:		Northing:	597,128.75 usft
From:	Map	Easting:	466,881.19 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 38' 29.628 N
		Longitude:	104° 26' 27.333 W
		Grid Convergence:	-0.06 °

Well	Wyatt Draw 24-25 NF Fed Com #1H					
Well Position	+N/-S	640.8 usft	Northing:	597,769.50 usft	Latitude:	32° 38' 35.975 N
	+E/-W	651.6 usft	Easting:	467,532.79 usft	Longitude:	104° 26' 19.720 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level:	3,397.0 usft	

Wellbore	Wellbore #1		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/7/2010	8.08	60.44	48,823

Design	Design #1		
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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	180.46

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	
2,191.1	0.00	0.00	2,191.1	0.0	0.0	0.00	0.00	0.00	0.00	
3,099.2	90.81	180.46	2,764.0	-581.1	-4.7	10.00	10.00	-19.77	180.46	
6,478.7	90.81	180.46	2,716.0	-3,960.1	-31.9	0.00	0.00	0.00	0.00	PBHL Wyatt Draw 2

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Site:	Sec 24-T19S-R25E	North Reference:	Grid
Well:	Wyatt Draw 24-25 NF Fed Com #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
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
Build 10°/100' @ 2191' MD									
2,191.1	0.00	0.00	2,191.1	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.89	180.46	2,200.0	-0.1	0.0	0.1	10.00	10.00	0.00
2,300.0	10.89	180.46	2,299.3	-10.3	-0.1	10.3	10.00	10.00	0.00
2,400.0	20.89	180.46	2,395.4	-37.7	-0.3	37.7	10.00	10.00	0.00
2,500.0	30.89	180.46	2,485.3	-81.3	-0.7	81.3	10.00	10.00	0.00
2,600.0	40.89	180.46	2,566.2	-139.8	-1.1	139.8	10.00	10.00	0.00
2,700.0	50.89	180.46	2,635.7	-211.5	-1.7	211.5	10.00	10.00	0.00
2,800.0	60.89	180.46	2,691.7	-294.2	-2.4	294.2	10.00	10.00	0.00
2,900.0	70.89	180.46	2,732.5	-385.4	-3.1	385.4	10.00	10.00	0.00
3,000.0	80.89	180.46	2,756.8	-482.2	-3.9	482.2	10.00	10.00	0.00
EOB @ 3099' MD / 90.81° Inc / 180.46° Azm / 2764' TVD									
3,099.2	90.81	180.46	2,764.0	-581.1	-4.7	581.1	10.00	10.00	0.00
3,100.0	90.81	180.46	2,764.0	-581.8	-4.7	581.9	0.00	0.00	0.00
3,200.0	90.81	180.46	2,762.6	-681.8	-5.5	681.8	0.00	0.00	0.00
3,300.0	90.81	180.46	2,761.1	-781.8	-6.3	781.8	0.00	0.00	0.00
3,400.0	90.81	180.46	2,759.7	-881.8	-7.1	881.8	0.00	0.00	0.00
3,500.0	90.81	180.46	2,758.3	-981.8	-7.9	981.8	0.00	0.00	0.00
3,600.0	90.81	180.46	2,756.9	-1,081.8	-8.7	1,081.8	0.00	0.00	0.00
3,700.0	90.81	180.46	2,755.5	-1,181.8	-9.5	1,181.8	0.00	0.00	0.00
3,800.0	90.81	180.46	2,754.0	-1,281.7	-10.3	1,281.8	0.00	0.00	0.00
3,900.0	90.81	180.46	2,752.6	-1,381.7	-11.1	1,381.8	0.00	0.00	0.00
4,000.0	90.81	180.46	2,751.2	-1,481.7	-12.0	1,481.8	0.00	0.00	0.00
4,100.0	90.81	180.46	2,749.8	-1,581.7	-12.8	1,581.8	0.00	0.00	0.00
4,200.0	90.81	180.46	2,748.4	-1,681.7	-13.6	1,681.7	0.00	0.00	0.00
4,300.0	90.81	180.46	2,746.9	-1,781.7	-14.4	1,781.7	0.00	0.00	0.00
4,400.0	90.81	180.46	2,745.5	-1,881.7	-15.2	1,881.7	0.00	0.00	0.00
4,500.0	90.81	180.46	2,744.1	-1,981.7	-16.0	1,981.7	0.00	0.00	0.00
4,600.0	90.81	180.46	2,742.7	-2,081.6	-16.8	2,081.7	0.00	0.00	0.00
4,700.0	90.81	180.46	2,741.3	-2,181.6	-17.6	2,181.7	0.00	0.00	0.00
4,800.0	90.81	180.46	2,739.8	-2,281.6	-18.4	2,281.7	0.00	0.00	0.00
4,900.0	90.81	180.46	2,738.4	-2,381.6	-19.2	2,381.7	0.00	0.00	0.00

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Well:	Wyatt Draw 24-25 NF Fed Com #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	90.81	180.46	2,737.0	-2,481.6	-20.0	2,481.7	0.00	0.00	0.00
5,100.0	90.81	180.46	2,735.6	-2,581.6	-20.8	2,581.7	0.00	0.00	0.00
5,200.0	90.81	180.46	2,734.2	-2,681.6	-21.6	2,681.6	0.00	0.00	0.00
5,300.0	90.81	180.46	2,732.7	-2,781.5	-22.4	2,781.6	0.00	0.00	0.00
5,400.0	90.81	180.46	2,731.3	-2,881.5	-23.2	2,881.6	0.00	0.00	0.00
5,500.0	90.81	180.46	2,729.9	-2,981.5	-24.1	2,981.6	0.00	0.00	0.00
5,600.0	90.81	180.46	2,728.5	-3,081.5	-24.9	3,081.6	0.00	0.00	0.00
5,700.0	90.81	180.46	2,727.1	-3,181.5	-25.7	3,181.6	0.00	0.00	0.00
5,800.0	90.81	180.46	2,725.6	-3,281.5	-26.5	3,281.6	0.00	0.00	0.00
5,900.0	90.81	180.46	2,724.2	-3,381.5	-27.3	3,381.6	0.00	0.00	0.00
6,000.0	90.81	180.46	2,722.8	-3,481.5	-28.1	3,481.6	0.00	0.00	0.00
6,100.0	90.81	180.46	2,721.4	-3,581.4	-28.9	3,581.6	0.00	0.00	0.00
6,200.0	90.81	180.46	2,720.0	-3,681.4	-29.7	3,681.5	0.00	0.00	0.00
6,300.0	90.81	180.46	2,718.5	-3,781.4	-30.5	3,781.5	0.00	0.00	0.00
6,400.0	90.81	180.46	2,717.1	-3,881.4	-31.3	3,881.5	0.00	0.00	0.00
TD @ 6479' MD / 2716' TVD									
6,478.7	90.81	180.46	2,716.0	-3,960.1	-31.9	3,960.3	0.00	0.00	0.00

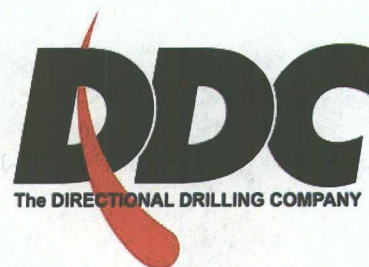
Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL Wyatt Draw 24-	0.00	360.00	2,716.0	-3,960.1	-31.9	593,809.37	467,500.84	32° 37' 56.786 N	104° 26' 20.048 W
- plan hits target center									
- Point									

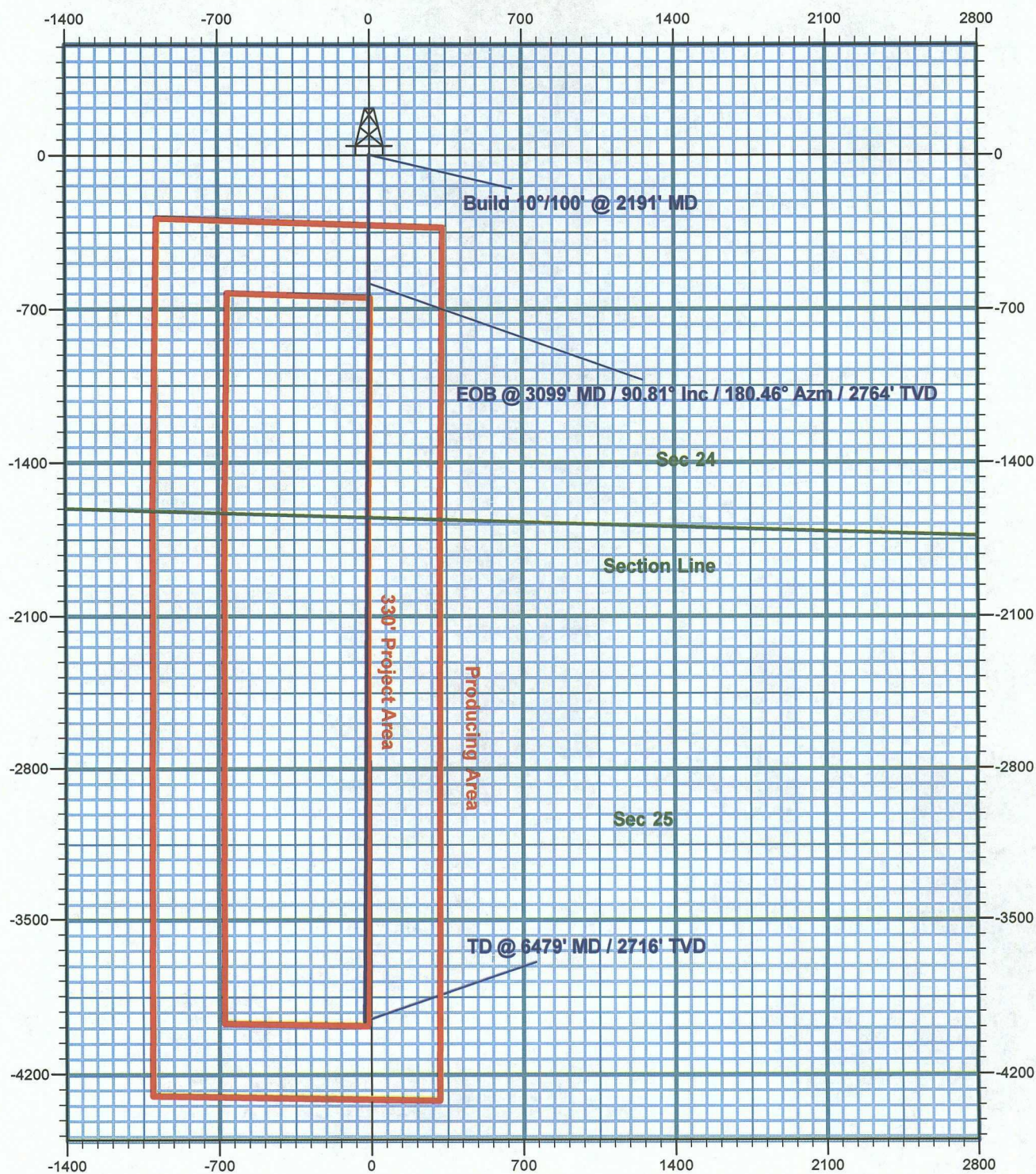
Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,191.1	2,191.1	0.0	0.0	Build 10°/100' @ 2191' MD
3,099.2	2,764.0	-581.1	-4.7	EOB @ 3099' MD / 90.81° Inc / 180.46° Azm / 2764' TVD
6,478.7	2,716.0	-3,960.1	-31.9	TD @ 6479' MD / 2716' TVD

Mewbourne Oil Company



Eddy, New Mexico
Wyatt Draw 24-25 NF Fed Com #1H
Quote 100843



Mewbourne Oil Company



Eddy, New Mexico

Wyatt Draw 24-25 NF Fed Com #1H

Quote 100843

