

OPERATOR Mewbourne Oil Company
WELL/LEASE Delaware Ranch 14 B2BO Fee 1H
COUNTY Eddy

036-0068

STATE OF NEW MEXICO
DEVIATION REPORT

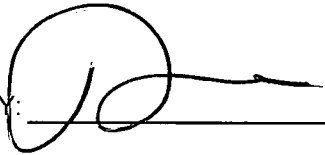
30-015-39425

381	1.25
1020	0.90
1641	1.10
1888	1.60
2016	2.80
2314	2.30
2557	3.00
3101	1.50
3317	0.60
3569	0.90
3891	1.40
4176	1.20
4514	0.10
4780	0.70
5095	0.60
5381	0.80
5664	0.50
5949	1.00
6239	1.30
6489	0.70
6806	2.80
6933	3.00
7058	1.90
7414	0.40

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 21 2014

RECEIVED

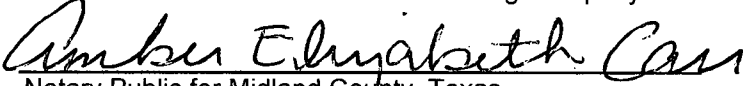
BY: 

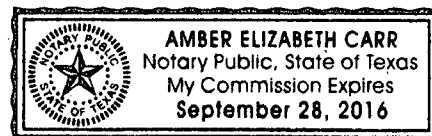
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on
Carrillo on behalf of Patterson-UTI Drilling Company LLC.

9/23/14, by Daisy


Notary Public for Midland County, Texas
My Commission Expires:





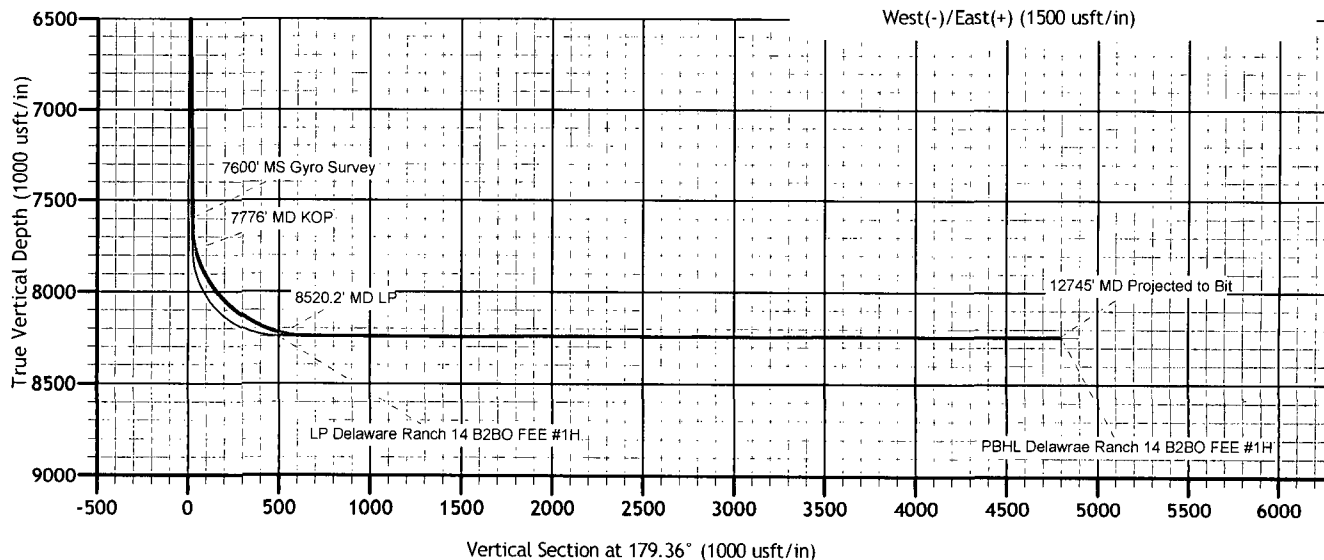
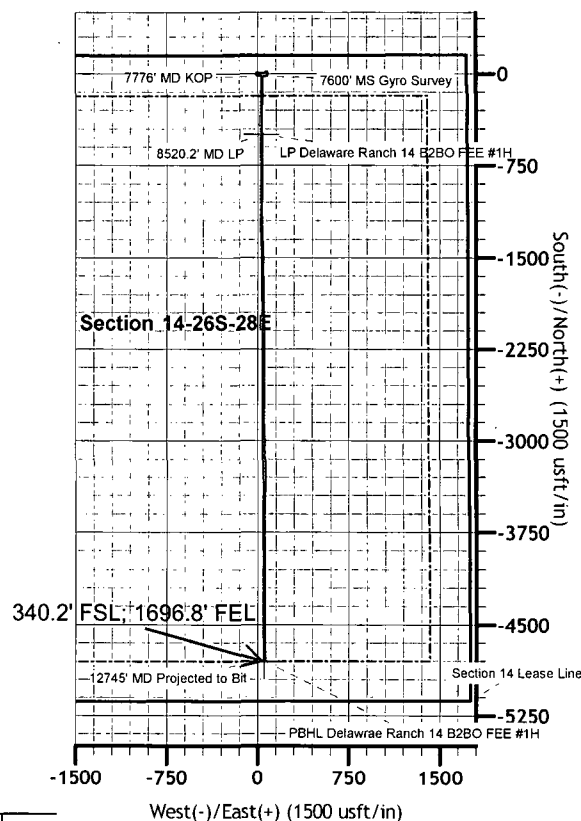
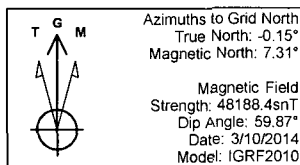
COMPANY: Mewbourne Oil Company
 WELL: Delaware Ranch 14 B2BO FEE #1H
 COUNTY: Eddy County, New Mexico
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson #36

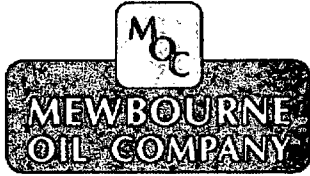


GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.31°

GEODEIC ZONE: New Mexico East 3001						
GL 2970 + 20 @ 2990.0usft (Patterson #36)						
GROUND ELEVATION: 2970.0						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	381768.77	586443.06	32° 2' 57.445 N	104° 3' 15.592 W	

PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Target
1	7600.0	1.01	226.26	7597.4	-22.8	40.1	0.00	0.00	23.2	
2	7776.0	1.01	226.26	7773.4	-24.9	37.9	0.00	0.00	25.3	
3	8520.2	90.00	179.74	8245.0	-502.4	34.0	12.00	-46.52	502.7	
4	12819.8	90.00	179.74	8245.0	-4801.9	53.3	0.00	0.00	4802.2	PBHL Delaware Ranch 14 B2BO FEE #1H





Mewbourne Oil Company .

Eddy County, New Mexico

Section 14-26S-28E Delaware Ranch 14 B2BO

Delaware Ranch 14 B2BO FEE #1H

Original Hole

Design: Original Hole

Standard Survey Report

11 September, 2014





Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Delaware Ranch 14 B2BO FEE #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 2970 + 20 @ 2990.0usft (Patterson #36)
Site:	Section 14-26S-28E Delaware Ranch 14 B2BO	MD Reference:	GL 2970 + 20 @ 2990.0usft (Patterson #36)
Well:	Delaware Ranch 14 B2BO FEE #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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 14-26S-28E Delaware Ranch 14 B2BO		
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Site Position:		Northing:	381,768.77 usft	Latitude:	32° 2' 57.445 N
From:	Map	Easting:	586,443.06 usft	Longitude:	104° 3' 15.592 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.15 °

Well	Delaware Ranch 14 B2BO FEE #1H				
Well Position	+N/-S	0.0 usft	Northing:	381,768.77 usft	Latitude: 32° 2' 57.445 N
	+E/-W	0.0 usft	Easting:	586,443.06 usft	Longitude: 104° 3' 15.592 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	usft	Ground Level: 2,970.0 usft

Wellbore	Original Hole				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/10/2014	7.46	59.87	48,188

Design	Original Hole				
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Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.36

Survey Program	Date	9/11/2014			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	7,600.0	MS Gyro Survey (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot	
7,659.0	12,745.0	Survey #2 (Original Hole)	MWD	MWD v3:standard declination	

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	0.28	274.29	100.0	0.0	-0.2	0.0	0.28	0.28	0.00	
200.0	0.18	271.32	200.0	0.0	-0.6	0.0	0.10	-0.10	-2.97	
300.0	0.03	330.90	300.0	0.1	-0.8	-0.1	0.17	-0.15	59.58	
400.0	0.26	283.65	400.0	0.1	-1.0	-0.2	0.24	0.23	-47.25	
500.0	0.54	252.17	500.0	0.1	-1.7	-0.1	0.35	0.28	-31.48	
600.0	0.72	253.03	600.0	-0.3	-2.8	0.2	0.18	0.18	0.86	
700.0	0.77	262.94	700.0	-0.5	-4.0	0.5	0.14	0.05	9.91	
800.0	0.41	283.29	800.0	-0.5	-5.0	0.5	0.41	-0.36	20.35	



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Delaware Ranch 14 B2BO FEE #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 2970 + 20 @ 2990.0usft (Patterson #36)
Site:	Section 14-26S-28E Delaware Ranch 14 B2BO	MD Reference:	GL 2970 + 20 @ 2990.0usft (Patterson #36)
Well:	Delaware Ranch 14 B2BO FEE #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
900.0	0.48	319.56	900.0	-0.1	-5.7	0.1	0.28	0.07	36.27
1,000.0	1.06	117.06	1,000.0	-0.2	-5.1	0.2	1.51	0.58	157.50
1,100.0	1.14	130.88	1,100.0	-1.3	-3.5	1.3	0.28	0.08	13.82
1,200.0	0.98	142.09	1,199.9	-2.6	-2.3	2.6	0.26	-0.16	11.21
1,300.0	0.90	132.83	1,299.9	-3.8	-1.2	3.8	0.17	-0.08	-9.26
1,400.0	0.66	95.84	1,399.9	-4.4	0.0	4.4	0.54	-0.24	-36.99
1,500.0	0.85	90.87	1,499.9	-4.5	1.3	4.5	0.20	0.19	-4.97
1,600.0	0.77	91.16	1,599.9	-4.5	2.7	4.6	0.08	-0.08	0.29
1,700.0	0.75	104.57	1,699.9	-4.7	4.0	4.8	0.18	-0.02	13.41
1,800.0	0.61	105.68	1,799.9	-5.0	5.2	5.1	0.14	-0.14	1.11
1,900.0	1.51	77.17	1,899.9	-4.9	7.0	5.0	1.02	0.90	-28.51
2,000.0	2.55	82.35	1,999.8	-4.3	10.5	4.4	1.06	1.04	5.18
2,100.0	2.74	86.27	2,099.7	-3.8	15.0	4.0	0.26	0.19	3.92
2,200.0	3.07	88.04	2,199.6	-3.6	20.1	3.8	0.34	0.33	1.77
2,300.0	3.88	90.91	2,299.4	-3.5	26.2	3.8	0.83	0.81	2.87
2,400.0	4.57	89.89	2,399.1	-3.6	33.5	4.0	0.69	0.69	-1.02
2,500.0	3.99	91.21	2,498.8	-3.7	41.0	4.1	0.59	-0.58	1.32
2,600.0	2.92	91.07	2,598.6	-3.8	47.0	4.3	1.07	-1.07	-0.14
2,700.0	1.92	87.62	2,698.6	-3.8	51.2	4.3	1.01	-1.00	-3.45
2,800.0	1.70	84.28	2,798.5	-3.5	54.4	4.1	0.24	-0.22	-3.34
2,900.0	1.60	85.47	2,898.5	-3.3	57.3	3.9	0.11	-0.10	1.19
3,000.0	1.42	93.44	2,998.4	-3.2	59.9	3.9	0.28	-0.18	7.97
3,100.0	1.42	86.43	3,098.4	-3.2	62.4	3.9	0.17	0.00	-7.01
3,200.0	1.34	86.56	3,198.4	-3.1	64.8	3.8	0.08	-0.08	0.13
3,300.0	1.20	87.98	3,298.3	-3.0	67.0	3.7	0.14	-0.14	1.42
3,400.0	1.04	80.38	3,398.3	-2.8	68.9	3.6	0.22	-0.16	-7.60
3,500.0	0.72	63.63	3,498.3	-2.4	70.4	3.2	0.41	-0.32	-16.75
3,600.0	0.59	47.21	3,598.3	-1.7	71.3	2.5	0.23	-0.13	-16.42
3,700.0	0.62	39.75	3,698.3	-1.0	72.0	1.8	0.08	0.03	-7.46
3,800.0	0.61	34.06	3,798.3	-0.1	72.7	0.9	0.06	-0.01	-5.69
3,900.0	0.85	20.78	3,898.3	1.0	73.2	-0.2	0.29	0.24	-13.28
4,000.0	0.91	16.94	3,998.3	2.5	73.7	-1.6	0.08	0.06	-3.84
4,100.0	0.81	358.60	4,098.3	3.9	74.0	-3.1	0.29	-0.10	-18.34
4,200.0	0.72	353.36	4,198.3	5.3	73.9	-4.4	0.11	-0.09	-5.24
4,300.0	0.70	340.64	4,298.2	6.5	73.6	-5.6	0.16	-0.02	-12.72
4,400.0	0.42	337.95	4,398.2	7.4	73.2	-6.6	0.28	-0.28	-2.69
4,500.0	0.39	347.60	4,498.2	8.1	73.0	-7.2	0.07	-0.03	9.65
4,600.0	0.23	32.94	4,598.2	8.6	73.1	-7.7	0.28	-0.16	45.34
4,700.0	0.28	71.46	4,698.2	8.8	73.4	-8.0	0.17	0.05	38.52
4,800.0	0.50	80.53	4,798.2	8.9	74.1	-8.1	0.23	0.22	9.07
4,900.0	0.40	126.27	4,898.2	8.8	74.8	-8.0	0.36	-0.10	45.74
5,000.0	0.48	149.44	4,998.2	8.2	75.3	-7.4	0.19	0.08	23.17



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Delaware Ranch 14 B2BO FEE #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 2970 + 20 @ 2990.0usft (Patterson #36)
Site:	Section 14-26S-28E Delaware Ranch 14 B2BO	MD Reference:	GL 2970 + 20 @ 2990.0usft (Patterson #36)
Well:	Delaware Ranch 14 B2BO FEE #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)	
5,100.0	0.53	156.29	5,098.2	7.5	75.7	-6.6	0.08	0.05	6.85	
5,200.0	0.58	157.36	5,198.2	6.6	76.1	-5.7	0.05	0.05	1.07	
5,300.0	0.66	181.44	5,298.2	5.5	76.2	-4.7	0.27	0.08	24.08	
5,400.0	0.63	179.19	5,398.2	4.4	76.2	-3.6	0.04	-0.03	-2.25	
5,500.0	0.62	206.59	5,498.2	3.4	76.0	-2.5	0.30	-0.01	27.40	
5,600.0	0.60	197.54	5,598.2	2.4	75.6	-1.5	0.10	-0.02	-9.05	
5,700.0	0.51	182.71	5,698.2	1.4	75.4	-0.6	0.17	-0.09	-14.83	
5,800.0	0.70	174.76	5,798.2	0.4	75.5	0.5	0.21	0.19	-7.95	
5,900.0	0.80	176.61	5,898.2	-0.9	75.6	1.8	0.10	0.10	1.85	
6,000.0	0.95	177.33	5,998.2	-2.4	75.6	3.3	0.15	0.15	0.72	
6,100.0	1.05	174.51	6,098.1	-4.2	75.8	5.0	0.11	0.10	-2.82	
6,200.0	1.13	179.53	6,198.1	-6.1	75.9	6.9	0.12	0.08	5.02	
6,300.0	1.15	202.36	6,298.1	-8.0	75.5	8.8	0.45	0.02	22.83	
6,400.0	1.11	231.16	6,398.1	-9.5	74.3	10.4	0.56	-0.04	28.80	
6,500.0	1.38	251.62	6,498.1	-10.5	72.4	11.3	0.52	0.27	20.46	
6,600.0	1.96	255.46	6,598.0	-11.3	69.7	12.1	0.59	0.58	3.84	
6,700.0	2.68	261.03	6,697.9	-12.1	65.7	12.8	0.75	0.72	5.57	
6,800.0	2.87	258.37	6,797.8	-13.0	60.9	13.7	0.23	0.19	-2.66	
6,900.0	3.06	250.48	6,897.7	-14.4	56.0	15.0	0.45	0.19	-7.89	
7,000.0	2.59	246.07	6,997.6	-16.2	51.4	16.8	0.52	-0.47	-4.41	
7,100.0	2.22	248.48	7,097.5	-17.8	47.5	18.3	0.38	-0.37	2.41	
7,200.0	1.40	231.77	7,197.4	-19.3	44.7	19.8	0.97	-0.82	-16.71	
7,300.0	0.80	232.65	7,297.4	-20.5	43.2	20.9	0.60	-0.60	0.88	
7,400.0	0.53	235.01	7,397.4	-21.2	42.3	21.6	0.27	-0.27	2.36	
7,500.0	0.79	237.86	7,497.4	-21.8	41.3	22.2	0.26	0.26	2.85	
7,600.0	1.01	226.26	7,597.4	-22.8	40.1	23.2	0.28	0.22	-11.60	
7600' MS Gyro Survey										
7,659.0	1.10	216.80	7,656.4	-23.6	39.4	24.0	0.33	0.15	-16.03	
7,691.0	4.90	189.00	7,688.3	-25.2	39.0	25.6	12.38	11.88	-86.88	
7,723.0	10.40	185.10	7,720.0	-29.4	38.5	29.8	17.25	17.19	-12.19	
7,754.0	14.00	183.40	7,750.3	-35.9	38.1	36.4	11.67	11.61	-5.48	
7,786.0	16.30	181.20	7,781.2	-44.3	37.7	44.7	7.41	7.19	-6.88	
7,818.0	18.60	178.60	7,811.7	-53.9	37.8	54.3	7.59	7.19	-8.13	
7,850.0	21.70	178.30	7,841.8	-64.9	38.1	65.3	9.69	9.69	-0.94	
7,881.0	24.70	180.50	7,870.3	-77.1	38.2	77.5	10.07	9.68	7.10	
7,913.0	27.50	182.10	7,899.0	-91.2	37.9	91.6	9.02	8.75	5.00	
7,945.0	30.30	183.30	7,927.0	-106.6	37.1	107.0	8.94	8.75	3.75	
7,977.0	33.70	184.20	7,954.1	-123.5	36.0	123.9	10.73	10.63	2.81	
8,009.0	36.70	184.70	7,980.3	-141.9	34.6	142.3	9.42	9.38	1.56	
8,041.0	39.70	183.90	8,005.4	-161.7	33.1	162.0	9.50	9.38	-2.50	
8,073.0	42.50	182.70	8,029.6	-182.7	31.9	183.0	9.09	8.75	-3.75	
8,104.0	45.30	181.80	8,051.9	-204.1	31.0	204.5	9.25	9.03	-2.90	
8,136.0	48.00	181.50	8,073.8	-227.4	30.4	227.7	8.46	8.44	-0.94	



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Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
8,168.0	50.50	182.30	8,094.7	-251.6	29.6	251.9	8.04	7.81	2.50
8,200.0	53.20	182.10	8,114.5	-276.8	28.6	277.1	8.45	8.44	-0.63
8,232.0	56.50	181.90	8,132.9	-302.9	27.7	303.2	10.33	10.31	-0.63
8,264.0	58.80	181.50	8,150.0	-329.9	26.9	330.2	7.26	7.19	-1.25
8,296.0	60.70	180.70	8,166.2	-357.6	26.4	357.8	6.32	5.94	-2.50
8,328.0	63.60	179.90	8,181.1	-385.9	26.2	386.1	9.33	9.06	-2.50
8,359.0	66.90	178.70	8,194.1	-414.0	26.6	414.3	11.21	10.65	-3.87
8,391.0	69.70	178.30	8,205.9	-443.7	27.3	444.0	8.83	8.75	-1.25
8,423.0	72.00	178.50	8,216.4	-473.9	28.2	474.2	7.21	7.19	0.63
8,451.1	74.63	179.03	8,224.5	-500.8	28.8	501.1	9.55	9.37	1.88
LP Delaware Ranch 14 B2BO FEE #1H									
8,455.0	75.00	179.10	8,225.5	-504.6	28.8	504.9	9.55	9.38	1.85
8,487.0	78.20	179.00	8,232.9	-535.7	29.3	536.0	10.00	10.00	-0.31
8,519.0	81.20	179.60	8,238.6	-567.2	29.7	567.5	9.55	9.38	1.88
8,551.0	84.70	179.70	8,242.6	-599.0	29.9	599.3	10.94	10.94	0.31
8,583.0	88.40	179.20	8,244.5	-630.9	30.2	631.2	11.67	11.56	-1.56
8,616.0	90.40	179.50	8,244.8	-663.9	30.6	664.2	6.13	6.06	0.91
8,648.0	91.20	179.30	8,244.4	-695.9	30.9	696.2	2.58	2.50	-0.63
8,680.0	91.60	179.50	8,243.6	-727.9	31.3	728.2	1.40	1.25	0.63
8,712.0	89.90	179.20	8,243.2	-759.9	31.6	760.2	5.39	-5.31	-0.94
8,744.0	90.20	179.40	8,243.2	-791.9	32.0	792.2	1.13	0.94	0.63
8,776.0	89.90	180.30	8,243.1	-823.9	32.1	824.2	2.96	-0.94	2.81
8,840.0	89.90	181.20	8,243.2	-887.9	31.3	888.1	1.41	0.00	1.41
8,904.0	89.50	181.20	8,243.6	-951.8	29.9	952.1	0.63	-0.63	0.00
8,967.0	88.80	180.10	8,244.5	-1,014.8	29.2	1,015.1	2.07	-1.11	-1.75
9,031.0	90.30	180.90	8,245.0	-1,078.8	28.7	1,079.1	2.66	2.34	1.25
9,095.0	90.40	179.50	8,244.6	-1,142.8	28.4	1,143.1	2.19	0.16	-2.19
9,159.0	89.30	178.60	8,244.8	-1,206.8	29.5	1,207.1	2.22	-1.72	-1.41
9,222.0	88.80	178.70	8,245.8	-1,269.8	31.0	1,270.0	0.81	-0.79	0.16
9,286.0	89.20	177.30	8,247.0	-1,333.7	33.2	1,334.0	2.27	0.63	-2.19
9,350.0	90.20	176.90	8,247.3	-1,397.6	36.5	1,398.0	1.68	1.56	-0.63
9,414.0	90.20	178.00	8,247.1	-1,461.6	39.3	1,461.9	1.72	0.00	1.72
9,477.0	89.70	179.30	8,247.1	-1,524.6	40.8	1,524.9	2.21	-0.79	2.06
9,541.0	90.20	179.60	8,247.2	-1,588.6	41.4	1,588.9	0.91	0.78	0.47
9,604.0	91.00	179.20	8,246.5	-1,651.6	42.1	1,651.9	1.42	1.27	-0.63
9,667.0	90.50	180.00	8,245.7	-1,714.5	42.5	1,714.9	1.50	-0.79	1.27
9,731.0	90.00	179.70	8,245.4	-1,778.5	42.7	1,778.9	0.91	-0.78	-0.47
9,794.0	90.80	179.50	8,245.0	-1,841.5	43.1	1,841.9	1.31	1.27	-0.32
9,858.0	90.50	179.50	8,244.3	-1,905.5	43.7	1,905.9	0.47	-0.47	0.00
9,921.0	89.90	179.00	8,244.0	-1,968.5	44.5	1,968.9	1.24	-0.95	-0.79
9,985.0	89.30	178.50	8,244.5	-2,032.5	45.9	2,032.9	1.22	-0.94	-0.78
10,048.0	89.80	178.40	8,245.0	-2,095.5	47.6	2,095.9	0.81	0.79	-0.16
10,112.0	90.80	178.40	8,244.6	-2,159.5	49.4	2,159.9	1.56	1.56	0.00



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Delaware Ranch 14 B2BO FEE #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 2970 + 20 @ 2990.0usft (Patterson #36)
Site:	Section 14-26S-28E Delaware Ranch 14 B2BO	MD Reference:	GL 2970 + 20 @ 2990.0usft (Patterson #36)
Well:	Delaware Ranch 14 B2BO FEE #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
10,175.0	90.20	179.80	8,244.1	-2,222.4	50.4	2,222.9	2.42	-0.95	2.22
10,239.0	90.50	180.60	8,243.7	-2,286.4	50.1	2,286.9	1.33	0.47	1.25
10,302.0	89.50	179.80	8,243.7	-2,349.4	49.9	2,349.9	2.03	-1.59	-1.27
10,366.0	90.00	179.60	8,244.0	-2,413.4	50.3	2,413.8	0.84	0.78	-0.31
10,428.0	89.30	180.50	8,244.4	-2,475.4	50.2	2,475.8	1.84	-1.13	1.45
10,492.0	89.50	180.50	8,245.0	-2,539.4	49.6	2,539.8	0.31	0.31	0.00
10,555.0	90.50	180.20	8,245.0	-2,602.4	49.3	2,602.8	1.66	1.59	-0.48
10,619.0	89.70	179.80	8,244.9	-2,666.4	49.3	2,666.8	1.40	-1.25	-0.63
10,682.0	90.00	179.30	8,245.1	-2,729.4	49.8	2,729.8	0.93	0.48	-0.79
10,746.0	91.00	179.60	8,244.5	-2,793.4	50.4	2,793.8	1.63	1.56	0.47
10,810.0	90.30	179.40	8,243.8	-2,857.4	50.9	2,857.8	1.14	-1.09	-0.31
10,874.0	88.70	179.00	8,244.4	-2,921.4	51.8	2,921.8	2.58	-2.50	-0.63
10,937.0	89.20	178.90	8,245.5	-2,984.4	53.0	2,984.8	0.81	0.79	-0.16
11,001.0	90.00	178.50	8,246.0	-3,048.4	54.4	3,048.8	1.40	1.25	-0.63
11,065.0	89.70	179.80	8,246.1	-3,112.4	55.4	3,112.8	2.08	-0.47	2.03
11,129.0	90.20	179.60	8,246.2	-3,176.4	55.7	3,176.8	0.84	0.78	-0.31
11,192.0	90.30	180.20	8,245.9	-3,239.4	55.8	3,239.8	0.97	0.16	0.95
11,256.0	90.90	180.30	8,245.2	-3,303.3	55.5	3,303.8	0.95	0.94	0.16
11,320.0	89.90	181.20	8,244.8	-3,367.3	54.7	3,367.7	2.10	-1.56	1.41
11,383.0	90.20	181.10	8,244.7	-3,430.3	53.4	3,430.7	0.50	0.48	-0.16
11,447.0	90.90	180.70	8,244.1	-3,494.3	52.4	3,494.7	1.26	1.09	-0.63
11,510.0	89.60	180.50	8,243.8	-3,557.3	51.8	3,557.7	2.09	-2.06	-0.32
11,574.0	89.70	180.30	8,244.2	-3,621.3	51.3	3,621.7	0.35	0.16	-0.31
11,637.0	90.00	179.90	8,244.4	-3,684.3	51.2	3,684.6	0.79	0.48	-0.63
11,701.0	89.60	179.80	8,244.6	-3,748.3	51.4	3,748.6	0.64	-0.63	-0.16
11,764.0	89.80	179.30	8,244.9	-3,811.3	51.9	3,811.6	0.85	0.32	-0.79
11,828.0	90.30	179.30	8,244.9	-3,875.3	52.7	3,875.6	0.78	0.78	0.00
11,892.0	91.00	178.90	8,244.2	-3,939.3	53.7	3,939.6	1.26	1.09	-0.63
11,955.0	90.40	179.80	8,243.4	-4,002.3	54.4	4,002.6	1.72	-0.95	1.43
12,019.0	88.90	180.70	8,243.8	-4,066.3	54.1	4,066.6	2.73	-2.34	1.41
12,083.0	89.20	180.40	8,244.8	-4,130.3	53.5	4,130.6	0.66	0.47	-0.47
12,146.0	89.50	179.80	8,245.6	-4,193.3	53.4	4,193.6	1.06	0.48	-0.95
12,210.0	90.80	179.40	8,245.4	-4,257.2	53.8	4,257.6	2.13	2.03	-0.63
12,274.0	89.50	179.50	8,245.2	-4,321.2	54.4	4,321.6	2.04	-2.03	0.16
12,337.0	89.60	180.10	8,245.7	-4,384.2	54.7	4,384.6	0.97	0.16	0.95
12,401.0	90.60	179.90	8,245.6	-4,448.2	54.7	4,448.6	1.59	1.56	-0.31
12,465.0	89.80	180.00	8,245.4	-4,512.2	54.7	4,512.6	1.26	-1.25	0.16
12,528.0	89.40	179.30	8,245.8	-4,575.2	55.1	4,575.6	1.28	-0.63	-1.11
12,592.0	90.80	179.60	8,245.7	-4,639.2	55.7	4,639.6	2.24	2.19	0.47
12,745.0	90.80	179.60	8,243.6	-4,792.2	56.8	4,792.5	0.00	0.00	0.00

12745' MD Projected to Bit - PBHL Delaware Ranch 14 B2BO FEE #1H



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Delaware Ranch 14 B2BO FEE #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 2970 + 20 @ 2990.0usft (Patterson #36)
Site:	Section 14-26S-28E Delaware Ranch 14 B2BO	MD Reference:	GL 2970 + 20 @ 2990.0usft (Patterson #36)
Well:	Delaware Ranch 14 B2BO FEE #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,600.0	7,597.4	-22.8	40.1	7600' MS Gyro Survey
12,745.0	8,243.6	-4,792.2	56.8	12745' MD Projected to Bit