



15-39425

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 15 2014

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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											
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



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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	



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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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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)
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



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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



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°

GEODETTIC 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

