



COMPANY: Mewbourne Oil Company
 WELL: Salado Draw 10 W1DM Fee Com #2H
 COUNTY: Lea County N.M.
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson 270



GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.63°

HOBBS OCD
 DEC 14 2016
 RECEIVED

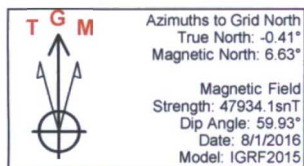
GEODETIC ZONE: New Mexico East 3001
 3330 + 28 @ 3358.0usft (Patterson 270)
 GROUND ELEVATION: 3330.0

+N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 387952.20 737339.40 32° 3' 51.408 N 103° 34' 1.863 W

PLAN SECTIONS

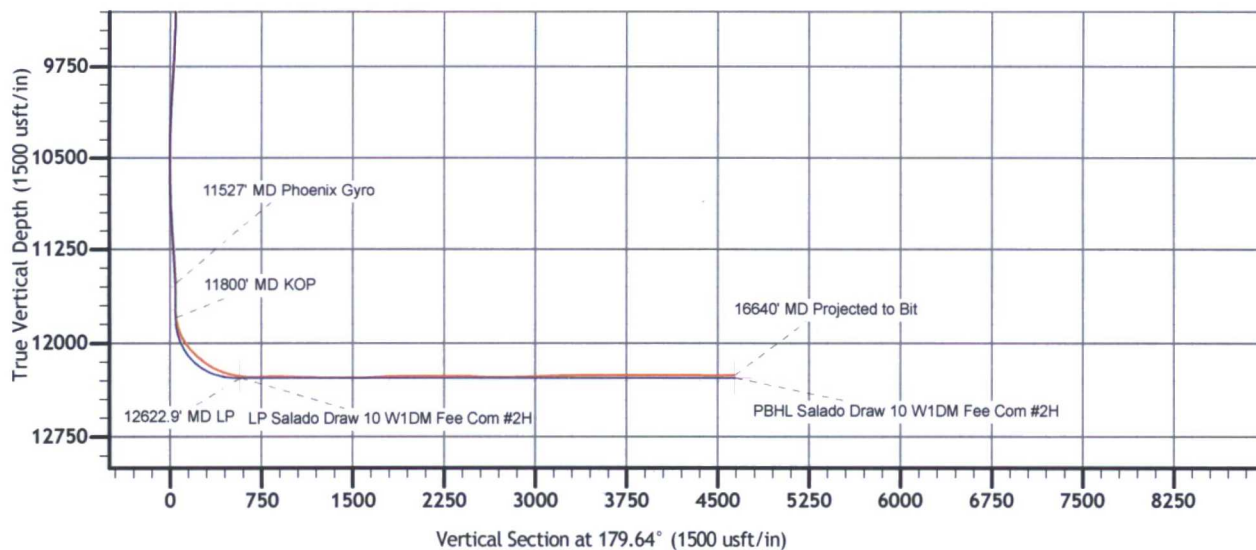
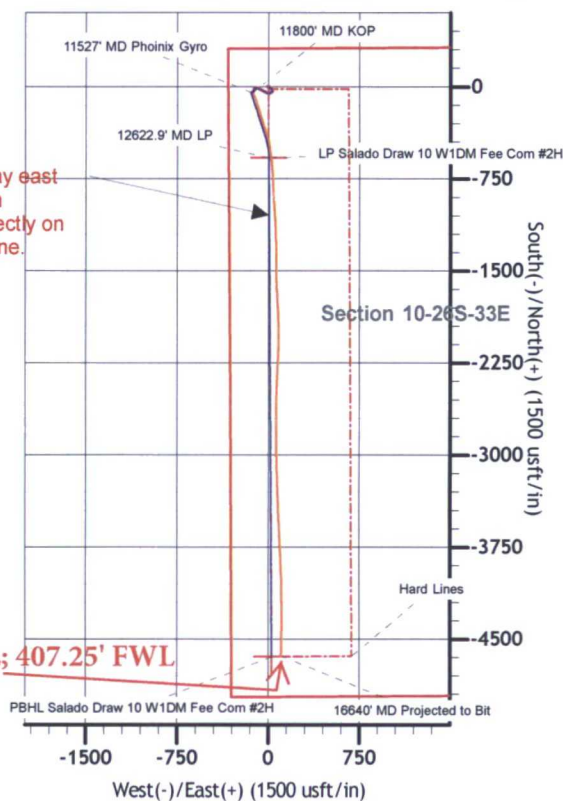
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	11527.0	4.15	244.21	11518.8	-48.6	-138.6	0.00	0.00	47.7	
2	11645.6	0.00	244.21	11637.3	-50.5	-142.5	3.50	180.00	49.6	
3	11800.0	0.00	244.21	11791.7	-50.5	-142.5	0.00	244.21	49.6	
4	12432.5	75.95	161.42	12254.6	-393.0	-27.4	12.01	161.42	392.8	
5	12622.9	90.00	179.63	12278.0	-578.1	3.1	12.01	53.58	578.1	LP Salado Draw 10 W1DM Fee Com #2H
6	16685.5	90.00	179.63	12278.0	-4640.7	29.1	0.00	0.00	4640.7	PBHL Salado Draw 10 W1DM Fee Com #2H

SHL- 310' FNL & 330' FWL
 Section 10 26S-33E
 PBHL- 330' FSL & 330' FWL
 Section 10 26S-33E



Please stay east
 of the plan
 as it is directly on
 the hard line.

334.5' FSL; 407.25' FWL





Mewbourne Oil Company .

Lea County N.M.

Section 10-26S-33E Salado Draw 10 W1DM Fee Com #2H

Salado Draw 10 W1DM Fee Com #2H

Original Hole

Design: Original Hole

Standard Survey Report

06 September, 2016





Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salado Draw 10 W1DM Fee Com #2H
Project:	Lea County N.M.	TVD Reference:	3330 + 28 @ 3358.0usft (Patterson 270)
Site:	Section 10-26S-33E Salado Draw 10 W1DM Fee Com #2H	MD Reference:	3330 + 28 @ 3358.0usft (Patterson 270)
Well:	Salado Draw 10 W1DM Fee Com #2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Project	Lea County N.M.		
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 10-26S-33E Salado Draw 10 W1DM Fee Com #2H		
Site Position:		Northing:	387,952.20 usft
From:	Map	Easting:	737,339.40 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 3' 51.408 N
		Longitude:	103° 34' 1.863 W
		Grid Convergence:	0.41 °

Well	Salado Draw 10 W1DM Fee Com #2H		
Well Position	+N/-S	0.0 usft	Northing: 387,952.20 usft
	+E/-W	0.0 usft	Easting: 737,339.40 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	28.0 usft
		Latitude:	32° 3' 51.408 N
		Longitude:	103° 34' 1.863 W
		Ground Level:	3,330.0 usft

Wellbore	Original Hole		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/1/2016	7.04	59.93	47,934

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	250.68

Survey Program	Date	9/6/2016		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	11,527.0	Phoenix Gyro Survey (Original Hole)	NSG-CT_WL	Continuous north-seeking gyro on wireline
11,600.0	16,640.0	MWD Survey (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	0.80	252.76	100.0	-0.2	-0.7	0.7	0.80	0.80	0.00
200.0	0.93	269.40	200.0	-0.4	-2.1	2.2	0.28	0.13	16.64
300.0	0.66	196.06	300.0	-1.0	-3.1	3.3	0.97	-0.27	-73.34
400.0	0.89	234.79	400.0	-2.0	-3.9	4.3	0.56	0.23	38.73
500.0	0.36	269.37	500.0	-2.4	-4.9	5.4	0.63	-0.53	34.58
600.0	0.80	304.03	600.0	-2.0	-5.8	6.1	0.54	0.44	34.66
700.0	0.62	11.82	700.0	-1.1	-6.2	6.2	0.81	-0.18	67.79
800.0	0.52	35.30	799.9	-0.2	-5.8	5.6	0.25	-0.10	23.48



Stryker Directional Survey Report



Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Salado Draw 10 W1DM Fee Com #2H
Project:	Lea County N.M.	TVD Reference:	3330 + 28 @ 3358.0usft (Patterson 270)
Site:	Section 10-26S-33E Salado Draw 10 W1DM Fee Com #2H	MD Reference:	3330 + 28 @ 3358.0usft (Patterson 270)
Well:	Salado Draw 10 W1DM Fee Com #2H	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	0.64	329.28	899.9	0.6	-5.9	5.3	0.64	0.12	-66.02
1,000.0	0.78	201.04	999.9	0.5	-6.4	5.9	1.28	0.14	-128.24
1,100.0	0.82	288.75	1,099.9	0.1	-7.3	6.9	1.11	0.04	87.71
1,200.0	0.89	294.10	1,199.9	0.6	-8.7	8.0	0.11	0.07	5.35
1,300.0	0.58	12.53	1,299.9	1.4	-9.3	8.3	0.96	-0.31	78.43
1,400.0	0.28	128.76	1,399.9	1.8	-9.0	7.9	0.75	-0.30	116.23
1,500.0	0.42	125.25	1,499.9	1.4	-8.5	7.6	0.14	0.14	-3.51
1,600.0	0.36	161.68	1,599.9	0.9	-8.1	7.4	0.25	-0.06	36.43
1,700.0	0.13	284.53	1,699.9	0.6	-8.1	7.5	0.44	-0.23	122.85
1,800.0	0.37	183.03	1,799.9	0.3	-8.3	7.7	0.42	0.24	-101.50
1,900.0	0.21	326.73	1,899.9	0.2	-8.4	7.9	0.55	-0.16	143.70
2,000.0	0.29	331.33	1,999.9	0.5	-8.6	7.9	0.08	0.08	4.60
2,100.0	0.27	352.91	2,099.9	1.0	-8.7	7.9	0.11	-0.02	21.58
2,200.0	0.28	244.23	2,199.9	1.1	-9.0	8.1	0.45	0.01	-108.68
2,300.0	0.35	252.75	2,299.9	0.9	-9.5	8.7	0.08	0.07	8.52
2,400.0	0.31	67.37	2,399.9	0.9	-9.5	8.7	0.66	-0.04	174.62
2,500.0	0.13	72.99	2,499.9	1.1	-9.2	8.3	0.18	-0.18	5.62
2,600.0	0.29	348.88	2,599.9	1.3	-9.1	8.2	0.31	0.16	-84.11
2,700.0	0.74	65.31	2,699.9	1.9	-8.6	7.5	0.73	0.45	76.43
2,800.0	0.36	11.59	2,799.9	2.4	-7.9	6.7	0.60	-0.38	-53.72
2,900.0	0.99	92.39	2,899.9	2.7	-7.0	5.7	1.00	0.63	80.80
3,000.0	1.28	96.11	2,999.9	2.6	-5.0	3.9	0.30	0.29	3.72
3,100.0	1.47	95.39	3,099.8	2.3	-2.7	1.7	0.19	0.19	-0.72
3,200.0	1.35	94.93	3,199.8	2.1	-0.2	-0.5	0.12	-0.12	-0.46
3,300.0	1.43	104.47	3,299.8	1.7	2.2	-2.6	0.24	0.08	9.54
3,400.0	1.28	107.89	3,399.8	1.0	4.4	-4.5	0.17	-0.15	3.42
3,500.0	1.03	115.77	3,499.7	0.3	6.3	-6.1	0.30	-0.25	7.88
3,600.0	0.89	134.29	3,599.7	-0.6	7.7	-7.0	0.34	-0.14	18.52
3,700.0	0.81	158.16	3,699.7	-1.8	8.5	-7.4	0.36	-0.08	23.87
3,800.0	0.86	154.28	3,799.7	-3.2	9.1	-7.5	0.08	0.05	-3.88
3,900.0	0.72	153.54	3,899.7	-4.4	9.7	-7.7	0.14	-0.14	-0.74
4,000.0	0.99	161.76	3,999.7	-5.8	10.2	-7.8	0.30	0.27	8.22
4,100.0	1.61	121.44	4,099.7	-7.3	11.7	-8.6	1.07	0.62	-40.32
4,200.0	1.79	121.18	4,199.6	-8.9	14.3	-10.5	0.18	0.18	-0.26
4,300.0	1.77	126.82	4,299.6	-10.6	16.8	-12.4	0.18	-0.02	5.64
4,400.0	1.95	122.61	4,399.5	-12.5	19.5	-14.3	0.23	0.18	-4.21
4,500.0	2.31	129.26	4,499.4	-14.7	22.5	-16.4	0.44	0.36	6.65
4,600.0	2.19	140.82	4,599.4	-17.4	25.3	-18.1	0.47	-0.12	11.56
4,700.0	1.86	151.85	4,699.3	-20.3	27.2	-19.0	0.51	-0.33	11.03
4,800.0	1.42	184.35	4,799.3	-23.0	27.9	-18.7	1.01	-0.44	32.50
4,900.0	1.05	194.69	4,899.2	-25.1	27.6	-17.7	0.43	-0.37	10.34
5,000.0	1.26	162.79	4,999.2	-27.0	27.7	-17.2	0.67	0.21	-31.90



Stryker Directional Survey Report



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Project:	Lea County N.M.	TVD Reference:	3330 + 28 @ 3358.0usft (Patterson 270)
Site:	Section 10-26S-33E Salado Draw 10 W1DM Fee Com #2H	MD Reference:	3330 + 28 @ 3358.0usft (Patterson 270)
Well:	Salado Draw 10 W1DM Fee Com #2H	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	1.37	184.90	5,099.2	-29.3	27.9	-16.6	0.52	0.11	22.11
5,200.0	1.04	102.06	5,199.2	-30.7	28.7	-16.9	1.61	-0.33	-82.84
5,300.0	1.06	130.82	5,299.2	-31.5	30.3	-18.2	0.52	0.02	28.76
5,400.0	1.30	155.99	5,399.1	-33.1	31.4	-18.7	0.57	0.24	25.17
5,500.0	1.22	125.47	5,499.1	-34.8	32.8	-19.4	0.67	-0.08	-30.52
5,600.0	1.32	199.02	5,599.1	-36.5	33.2	-19.3	1.52	0.10	73.55
5,700.0	0.99	221.87	5,699.1	-38.2	32.3	-17.8	0.56	-0.33	22.85
5,800.0	1.12	286.53	5,799.1	-38.6	30.8	-16.3	1.13	0.13	64.66
5,900.0	0.97	256.93	5,899.0	-38.5	29.0	-14.7	0.55	-0.15	-29.60
6,000.0	0.84	237.41	5,999.0	-39.1	27.6	-13.1	0.33	-0.13	-19.52
6,100.0	0.87	180.74	6,099.0	-40.2	26.9	-12.1	0.81	0.03	-56.67
6,200.0	0.72	150.73	6,199.0	-41.5	27.2	-12.0	0.44	-0.15	-30.01
6,300.0	0.62	233.83	6,299.0	-42.4	27.1	-11.6	0.89	-0.10	83.10
6,400.0	0.69	248.19	6,399.0	-42.9	26.1	-10.4	0.18	0.07	14.36
6,500.0	0.54	293.25	6,499.0	-43.0	25.1	-9.5	0.49	-0.15	45.06
6,600.0	0.66	327.31	6,599.0	-42.3	24.4	-9.0	0.37	0.12	34.06
6,700.0	0.31	49.28	6,699.0	-41.6	24.3	-9.1	0.69	-0.35	81.97
6,800.0	0.64	271.43	6,799.0	-41.4	23.9	-8.9	0.89	0.33	-137.85
6,900.0	0.68	208.62	6,899.0	-42.0	23.1	-7.9	0.69	0.04	-62.81
7,000.0	0.64	266.03	6,999.0	-42.5	22.2	-6.9	0.63	-0.04	57.41
7,100.0	0.70	270.78	7,099.0	-42.5	21.1	-5.8	0.08	0.06	4.75
7,200.0	0.65	300.41	7,199.0	-42.2	20.0	-4.9	0.35	-0.05	29.63
7,300.0	0.61	187.20	7,299.0	-42.5	19.4	-4.3	1.05	-0.04	-113.21
7,400.0	0.81	165.34	7,399.0	-43.7	19.5	-4.0	0.33	0.20	-21.86
7,500.0	0.35	199.52	7,498.9	-44.7	19.6	-3.7	0.56	-0.46	34.18
7,600.0	0.70	244.92	7,598.9	-45.2	19.0	-2.9	0.52	0.35	45.40
7,700.0	0.70	265.31	7,698.9	-45.5	17.8	-1.7	0.25	0.00	20.39
7,800.0	0.61	260.11	7,798.9	-45.7	16.7	-0.6	0.11	-0.09	-5.20
7,900.0	0.86	258.90	7,898.9	-45.9	15.4	0.7	0.25	0.25	-1.21
8,000.0	0.87	212.66	7,998.9	-46.7	14.2	2.0	0.68	0.01	-46.24
8,100.0	1.03	234.40	8,098.9	-47.9	13.1	3.5	0.39	0.16	21.74
8,200.0	0.72	141.04	8,198.9	-48.9	12.8	4.1	1.29	-0.31	-93.36
8,300.0	1.20	277.99	8,298.9	-49.2	12.1	4.8	1.79	0.48	136.95
8,400.0	0.89	224.54	8,398.9	-49.6	10.5	6.5	0.98	-0.31	-53.45
8,500.0	1.27	214.44	8,498.9	-51.1	9.4	8.1	0.42	0.38	-10.10
8,600.0	1.43	267.43	8,598.8	-52.1	7.5	10.1	1.21	0.16	52.99
8,700.0	1.27	288.93	8,698.8	-51.7	5.2	12.2	0.53	-0.16	21.50
8,800.0	1.34	316.28	8,798.8	-50.5	3.4	13.6	0.62	0.07	27.35
8,900.0	1.31	257.20	8,898.8	-50.0	1.4	15.2	1.31	-0.03	-59.08
9,000.0	1.49	266.92	8,998.7	-50.3	-1.0	17.6	0.30	0.18	9.72
9,100.0	1.65	270.74	9,098.7	-50.3	-3.7	20.2	0.19	0.16	3.82
9,200.0	1.86	277.27	9,198.6	-50.1	-6.8	23.0	0.29	0.21	6.53
9,300.0	2.64	285.19	9,298.6	-49.3	-10.6	26.3	0.84	0.78	7.92



Stryker Directional Survey Report



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Project:	Lea County N.M.	TVD Reference:	3330 + 28 @ 3358.0usft (Patterson 270)
Site:	Section 10-26S-33E Salado Draw 10 W1DM Fee Com #2H	MD Reference:	3330 + 28 @ 3358.0usft (Patterson 270)
Well:	Salado Draw 10 W1DM Fee Com #2H	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)
9,400.0	2.77	290.95	9,398.5	-47.8	-15.1	30.1	0.30	0.13	5.76
9,500.0	3.11	301.71	9,498.3	-45.5	-19.6	33.6	0.65	0.34	10.76
9,600.0	4.55	301.34	9,598.1	-42.0	-25.3	37.8	1.44	1.44	-0.37
9,700.0	6.69	297.04	9,697.6	-37.3	-33.9	44.4	2.18	2.14	-4.30
9,800.0	7.13	296.66	9,796.9	-31.9	-44.7	52.7	0.44	0.44	-0.38
9,900.0	7.18	296.01	9,896.1	-26.4	-55.8	61.4	0.10	0.05	-0.65
10,000.0	6.30	297.98	9,995.4	-21.1	-66.3	69.5	0.91	-0.88	1.97
10,100.0	5.37	299.68	10,094.9	-16.2	-75.2	76.3	0.95	-0.93	1.70
10,200.0	5.17	294.19	10,194.5	-12.0	-83.4	82.6	0.54	-0.20	-5.49
10,300.0	4.74	285.58	10,294.1	-9.1	-91.5	89.3	0.86	-0.43	-8.61
10,400.0	3.46	269.97	10,393.8	-7.9	-98.5	95.5	1.69	-1.28	-15.61
10,500.0	3.21	277.76	10,493.7	-7.6	-104.2	100.9	0.52	-0.25	7.79
10,600.0	2.74	270.57	10,593.5	-7.2	-109.4	105.6	0.60	-0.47	-7.19
10,700.0	2.40	238.74	10,693.4	-8.2	-113.6	109.9	1.45	-0.34	-31.83
10,800.0	2.38	198.28	10,793.4	-11.3	-116.0	113.2	1.65	-0.02	-40.46
10,900.0	1.77	160.70	10,893.3	-14.7	-116.2	114.5	1.46	-0.61	-37.58
11,000.0	2.82	204.52	10,993.2	-18.4	-116.7	116.2	1.97	1.05	43.82
11,100.0	3.44	197.28	11,093.1	-23.5	-118.6	119.7	0.73	0.62	-7.24
11,200.0	4.65	204.29	11,192.8	-30.1	-121.2	124.3	1.30	1.21	7.01
11,300.0	4.47	214.90	11,292.5	-37.0	-125.0	130.2	0.86	-0.18	10.61
11,400.0	4.88	228.23	11,392.2	-43.0	-130.5	137.3	1.16	0.41	13.33
11,527.0	4.15	244.21	11,518.8	-48.6	-138.6	146.9	1.14	-0.57	12.58
11527' MD Phoenix Gyro									
11,600.0	2.90	283.90	11,591.7	-49.3	-142.8	151.1	3.65	-1.71	54.37
11,631.0	0.90	14.30	11,622.6	-48.9	-143.5	151.6	9.81	-6.45	291.61
11,662.0	1.60	63.80	11,653.6	-48.4	-143.0	151.0	3.95	2.26	159.68
11,693.0	1.80	70.40	11,684.6	-48.1	-142.2	150.1	0.90	0.65	21.29
11,724.0	1.80	96.30	11,715.6	-48.0	-141.3	149.2	2.60	0.00	83.55
11,755.0	4.90	121.10	11,746.6	-48.7	-139.6	147.9	10.81	10.00	80.00
11,787.0	8.60	130.80	11,778.3	-51.0	-136.7	145.8	12.06	11.56	30.31
11,818.0	13.00	133.10	11,808.8	-54.9	-132.3	143.1	14.26	14.19	7.42
11,849.0	17.10	137.80	11,838.7	-60.7	-126.7	139.7	13.79	13.23	15.16
11,880.0	20.40	144.60	11,868.1	-68.4	-120.5	136.4	12.75	10.65	21.94
11,911.0	23.50	153.70	11,896.8	-78.4	-114.7	134.1	14.82	10.00	29.35
11,942.0	25.40	157.40	11,925.0	-90.1	-109.4	133.0	7.87	6.13	11.94
11,973.0	29.20	160.50	11,952.6	-103.3	-104.3	132.6	13.08	12.26	10.00
12,004.0	34.20	162.50	11,978.9	-118.8	-99.2	132.9	16.48	16.13	6.45
12,035.0	38.40	162.60	12,003.9	-136.3	-93.7	133.5	13.55	13.55	0.32
12,067.0	41.10	161.60	12,028.5	-155.8	-87.4	134.0	8.67	8.44	-3.13
12,098.0	43.60	161.40	12,051.4	-175.6	-80.7	134.3	8.08	8.06	-0.65
12,129.0	45.50	162.00	12,073.5	-196.2	-73.9	134.7	6.28	6.13	1.94
12,160.0	47.90	163.10	12,094.8	-217.7	-67.1	135.4	8.16	7.74	3.55



Stryker Directional Survey Report



Company: Mewbourne Oil Company
Project: Lea County N.M.
Site: Section 10-26S-33E Salado Draw 10 W1DM Fee Com #2H
Well: Salado Draw 10 W1DM Fee Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 10 W1DM Fee Com #2H
TVD Reference: 3330 + 28 @ 3358.0usft (Patterson 270)
MD Reference: 3330 + 28 @ 3358.0usft (Patterson 270)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
12,191.0	50.20	163.70	12,115.1	-240.2	-60.5	136.5	7.56	7.42	1.94
12,222.0	52.30	163.40	12,134.5	-263.4	-53.6	137.7	6.82	6.77	-0.97
12,254.0	54.80	162.80	12,153.5	-288.0	-46.1	138.8	7.96	7.81	-1.88
12,285.0	58.50	162.40	12,170.6	-312.7	-38.4	139.7	11.98	11.94	-1.29
12,316.0	62.10	162.10	12,185.9	-338.3	-30.2	140.4	11.64	11.61	-0.97
12,347.0	64.10	162.60	12,199.9	-364.7	-21.8	141.2	6.61	6.45	1.61
12,378.0	66.60	163.60	12,212.9	-391.6	-13.6	142.4	8.58	8.06	3.23
12,409.0	69.60	165.30	12,224.4	-419.3	-5.9	144.3	10.93	9.68	5.48
12,441.0	71.60	166.50	12,235.1	-448.6	1.5	147.0	7.18	6.25	3.75
12,472.0	74.00	168.40	12,244.2	-477.5	7.9	150.5	9.71	7.74	6.13
12,503.0	76.60	170.50	12,252.1	-507.0	13.4	155.1	10.64	8.39	6.77
12,534.0	79.20	172.00	12,258.6	-536.9	18.0	160.7	9.63	8.39	4.84
12,564.0	81.60	173.20	12,263.6	-566.3	21.8	166.8	8.92	8.00	4.00
12,615.0	84.20	174.10	12,269.9	-616.6	27.4	178.1	5.39	5.10	1.76
12,646.0	86.20	175.30	12,272.5	-647.3	30.2	185.6	7.52	6.45	3.87
12,677.0	89.70	176.40	12,273.6	-678.2	32.5	193.7	11.83	11.29	3.55
12,708.0	91.90	176.80	12,273.2	-709.1	34.3	202.2	7.21	7.10	1.29
12,739.0	93.20	177.10	12,271.8	-740.1	36.0	210.9	4.30	4.19	0.97
12,771.0	93.20	177.30	12,270.0	-772.0	37.5	220.0	0.62	0.00	0.63
12,802.0	92.30	177.20	12,268.5	-802.9	39.0	228.8	2.92	-2.90	-0.32
12,833.0	91.60	177.60	12,267.5	-833.9	40.4	237.7	2.60	-2.26	1.29
12,864.0	90.90	177.00	12,266.8	-864.8	41.9	246.6	2.97	-2.26	-1.94
12,895.0	90.00	176.40	12,266.5	-895.8	43.7	255.1	3.49	-2.90	-1.94
12,926.0	88.90	175.50	12,266.8	-926.7	45.8	263.3	4.58	-3.55	-2.90
12,957.0	87.40	176.10	12,267.8	-957.6	48.1	271.4	5.21	-4.84	1.94
12,989.0	87.80	176.70	12,269.2	-989.5	50.1	280.0	2.25	1.25	1.88
13,051.0	87.60	176.30	12,271.7	-1,051.3	53.9	296.9	0.72	-0.32	-0.65
13,145.0	90.20	178.40	12,273.5	-1,145.2	58.2	323.9	3.56	2.77	2.23
13,238.0	86.10	177.70	12,276.5	-1,238.1	61.4	351.6	4.47	-4.41	-0.75
13,269.0	85.40	177.60	12,278.8	-1,269.0	62.7	360.7	2.28	-2.26	-0.32
13,300.0	88.70	179.20	12,280.4	-1,299.9	63.5	370.1	11.83	10.65	5.16
13,331.0	92.40	180.50	12,280.1	-1,330.9	63.6	380.3	12.65	11.94	4.19
13,362.0	92.40	180.70	12,278.8	-1,361.9	63.3	390.8	0.64	0.00	0.65
13,394.0	91.20	180.20	12,277.8	-1,393.9	63.0	401.6	4.06	-3.75	-1.56
13,425.0	90.50	180.10	12,277.3	-1,424.9	63.0	412.0	2.28	-2.26	-0.32
13,487.0	89.20	179.20	12,277.5	-1,486.8	63.3	432.1	2.55	-2.10	-1.45
13,518.0	89.70	178.50	12,277.8	-1,517.8	64.0	441.8	2.77	1.61	-2.26
13,581.0	91.30	177.00	12,277.2	-1,580.8	66.4	460.3	3.48	2.54	-2.38
13,612.0	91.60	176.90	12,276.4	-1,611.7	68.1	468.9	1.02	0.97	-0.32
13,643.0	93.60	177.00	12,275.0	-1,642.7	69.7	477.6	6.46	6.45	0.32
13,705.0	93.90	176.80	12,271.0	-1,704.4	73.1	494.9	0.58	0.48	-0.32
13,799.0	91.40	177.60	12,266.6	-1,798.2	77.7	521.6	2.79	-2.66	0.85
13,893.0	91.10	177.90	12,264.6	-1,892.1	81.4	549.2	0.45	-0.32	0.32



Stryker Directional Survey Report



Company: Mewbourne Oil Company
Project: Lea County N.M.
Site: Section 10-26S-33E Salado Draw 10 W1DM Fee Com #2H
Well: Salado Draw 10 W1DM Fee Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Salado Draw 10 W1DM Fee Com #2H
TVD Reference: 3330 + 28 @ 3358.0usft (Patterson 270)
MD Reference: 3330 + 28 @ 3358.0usft (Patterson 270)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
13,986.0	88.60	178.80	12,264.8	-1,985.1	84.0	577.4	2.86	-2.69	0.97
14,080.0	92.10	181.10	12,264.2	-2,079.0	84.1	608.4	4.46	3.72	2.45
14,173.0	89.40	181.90	12,263.0	-2,172.0	81.7	641.5	3.03	-2.90	0.86
14,267.0	89.00	183.00	12,264.3	-2,265.9	77.7	676.3	1.25	-0.43	1.17
14,361.0	91.50	184.40	12,263.9	-2,359.7	71.6	713.1	3.05	2.66	1.49
14,454.0	87.20	181.60	12,265.0	-2,452.5	66.7	748.4	5.52	-4.62	-3.01
14,548.0	88.10	181.90	12,268.8	-2,546.4	63.9	782.1	1.01	0.96	0.32
14,641.0	88.40	179.40	12,271.7	-2,639.3	62.8	813.9	2.71	0.32	-2.69
14,735.0	92.40	179.50	12,271.0	-2,733.3	63.7	844.1	4.26	4.26	0.11
14,828.0	88.40	179.70	12,270.4	-2,826.3	64.4	874.3	4.31	-4.30	0.22
14,922.0	92.20	179.20	12,269.9	-2,920.3	65.3	904.5	4.08	4.04	-0.53
15,015.0	91.90	178.60	12,266.6	-3,013.2	67.0	933.6	0.72	-0.32	-0.65
15,109.0	92.30	178.50	12,263.1	-3,107.1	69.4	962.4	0.44	0.43	-0.11
15,202.0	92.10	177.80	12,259.5	-3,200.0	72.4	990.3	0.78	-0.22	-0.75
15,296.0	90.60	177.50	12,257.3	-3,293.9	76.3	1,017.7	1.63	-1.60	-0.32
15,390.0	90.20	179.00	12,256.7	-3,387.8	79.1	1,046.1	1.65	-0.43	1.60
15,483.0	89.20	177.30	12,257.2	-3,480.8	82.2	1,074.0	2.12	-1.08	-1.83
15,576.0	90.40	176.70	12,257.5	-3,573.6	87.0	1,100.1	1.44	1.29	-0.65
15,670.0	91.30	177.30	12,256.1	-3,667.5	91.9	1,126.5	1.15	0.96	0.64
15,764.0	90.40	176.60	12,254.7	-3,761.4	96.9	1,152.9	1.21	-0.96	-0.74
15,857.0	89.90	177.80	12,254.4	-3,854.2	101.5	1,179.3	1.40	-0.54	1.29
15,951.0	88.60	177.30	12,255.7	-3,948.1	105.5	1,206.6	1.48	-1.38	-0.53
16,045.0	90.70	178.70	12,256.2	-4,042.1	108.8	1,234.6	2.68	2.23	1.49
16,139.0	89.70	179.60	12,255.9	-4,136.1	110.2	1,264.3	1.43	-1.06	0.96
16,232.0	90.00	179.90	12,256.2	-4,229.1	110.6	1,294.7	0.46	0.32	0.32
16,326.0	88.60	179.60	12,257.3	-4,323.1	111.0	1,325.4	1.52	-1.49	-0.32
16,419.0	89.10	179.90	12,259.2	-4,416.0	111.4	1,355.8	0.63	0.54	0.32
16,513.0	92.10	181.80	12,258.2	-4,510.0	110.0	1,388.2	3.78	3.19	2.02
16,591.0	89.70	180.90	12,257.0	-4,588.0	108.2	1,415.7	3.29	-3.08	-1.15
16,640.0	89.70	180.90	12,257.2	-4,637.0	107.4	1,432.7	0.00	0.00	0.00

16640' MD Projected to Bit

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
11,527.0	11,518.8	-48.6	-138.6	11527' MD Phoenix Gyro
16,640.0	12,257.2	-4,637.0	107.4	16640' MD Projected to Bit



PHOENIX

TECHNOLOGY SERVICES USA INC.

3610 Elkins Road, Midland, Texas 79705 T. 432.684.0057 F. 432.686.7964 www.phxtech.com

Celebrating 20 Years of Focused Solutions

September 8, 2016

Mewbourne Oil
Attention: Regulatory Department
701 S Cecil St
Hobbs, New Mexico 88240

Re: Mewbourne Oil
Salado Draw 10 W1DM Fee Com 2H
Lea County, New Mexico
API #30-025-43361
Job No. 60313

HOBBS OCD

DEC 14 2016

RECEIVED

Dear Regulatory Department;

Phoenix Technology Services, Inc. has filed the Survey Data Certification, Surveys, and Lease Plat for the above referenced well with the State of New Mexico Oil Conservation Division – District 1 via certified mail. A copy of the filing is attached for your records.

Name of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Noe Garza	2H	0	11527	08/25/16	08/25/16	Gyro

Thank you for the opportunity to be of service. Please contact me if you have any questions or require additional information.

Best Regards,

Claudia Carreon
Operations Administrator



PHOENIX
TECHNOLOGY SERVICES

SURVEY CERTIFICATION FORM

3610 Elkins Road Midland, TX 79705 t:432-684-0057 f: 432-686-7964

Company: Mewbourne
Well Name: Salado Draw 10 W1DM Fee Com 2H
Survey Instrument Type: North Seek Rate Gyro

Job #: 60313
County/State: Lea Co., New Mexico
API # 30-025-43361

TIE-IN DATA

Measure Depth (ft)	Vertical Depth (ft)	Inclination (°)	Azimuth (°)	N-S Coordinates	E-W Coordinates	Data Source
0	0	0	0	0	0	Surface

First Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2016-08-25	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2016-08-25	11527	4.15	244.21

Projected TD Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
0	0	0	0

Grid Correction
-0.41

Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Jaime Stephenson

To the best of my knowledge I certify this survey data to be correct and true

Date: 08-25-16

Print Name: Noe Garza

Signature: 



Company: Mewbourne
 Well: SaladoDraw10W1DMFeeCom2H
 Location: Lea Co., New Mexico
 Rig: Patterson 270

Job Number: 60313
 Grid Corr.: -0.41
 Lat: 32.06
 Long: -103.57

Date: 08-25-16
 Calculation Method: Minimum Curvature
 Proposed Azimuth:
 RKB - MSL in feet: 28 Feet
 Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
Enter Tie-In Survey on Line 10													
FIELD COPY, NON-DEFINITIVE													
TIE IN	0			0	0	0	0	0					
Gyro	100.00	0.80	252.76	100	100.00	-0.21	0.21 S	0.67 W	0.70	252.76	0.80	0.80	252.76
	200.00	0.93	269.40	100	199.99	-0.42	0.42 S	2.15 W	2.19	258.86	0.28	0.13	16.64
	300.00	0.66	196.06	100	299.98	-0.98	0.98 S	3.12 W	3.27	252.47	0.97	-0.27	-73.34
	400.00	0.89	234.79	100	399.97	-1.99	1.99 S	3.91 W	4.39	243.08	0.56	0.23	38.73
	500.00	0.36	269.37	100	499.96	-2.44	2.44 S	4.86 W	5.44	243.36	0.63	-0.53	34.58
	600.00	0.80	304.03	100	599.96	-2.05	2.05 S	5.75 W	6.11	250.39	0.54	0.44	34.66
	700.00	0.62	11.82	100	699.95	-1.13	1.13 S	6.22 W	6.32	259.71	0.81	-0.18	-292.21
	800.00	0.52	35.30	100	799.95	-0.23	0.23 S	5.85 W	5.85	267.75	0.25	-0.10	23.48
	900.00	0.64	329.28	100	899.94	0.62	0.62 N	5.87 W	5.90	276.04	0.64	0.12	293.98
	1000.00	0.78	201.04	100	999.94	0.47	0.47 N	6.40 W	6.42	274.16	1.28	0.14	-128.24
	1100.00	0.82	288.75	100	1099.93	0.06	0.06 N	7.32 W	7.32	270.47	1.11	0.04	87.71
	1200.00	0.89	294.10	100	1199.92	0.61	0.61 N	8.71 W	8.73	273.99	0.11	0.07	5.35
	1300.00	0.58	12.53	100	1299.92	1.42	1.42 N	9.31 W	9.41	278.67	0.96	-0.31	-281.57
	1400.00	0.28	128.76	100	1399.91	1.76	1.76 N	9.01 W	9.18	281.06	0.75	-0.30	116.23
	1500.00	0.42	125.25	100	1499.91	1.40	1.40 N	8.52 W	8.63	279.31	0.14	0.14	-3.51
	1600.00	0.36	161.68	100	1599.91	0.89	0.89 N	8.12 W	8.17	276.23	0.25	-0.06	36.43
	1700.00	0.13	284.53	100	1699.91	0.62	0.62 N	8.13 W	8.15	274.33	0.44	-0.23	122.85
	1800.00	0.37	183.03	100	1799.91	0.32	0.32 N	8.26 W	8.26	272.23	0.42	0.24	-101.50
	1900.00	0.21	326.73	100	1899.91	0.15	0.15 N	8.37 W	8.37	271.05	0.55	-0.16	143.70
	2000.00	0.29	331.33	100	1999.91	0.53	0.53 N	8.60 W	8.61	273.52	0.08	0.08	4.60
	2100.00	0.27	352.91	100	2099.91	0.98	0.98 N	8.75 W	8.80	276.42	0.11	-0.02	21.58
	2200.00	0.28	244.23	100	2199.90	1.11	1.11 N	9.00 W	9.06	277.04	0.45	0.01	-108.68
	2300.00	0.35	252.75	100	2299.90	0.91	0.91 N	9.51 W	9.55	275.50	0.08	0.07	8.52
	2400.00	0.31	67.37	100	2399.90	0.93	0.93 N	9.55 W	9.59	275.55	0.66	-0.04	-185.38
	2500.00	0.13	72.99	100	2499.90	1.07	1.07 N	9.19 W	9.25	276.61	0.18	-0.18	5.62
	2600.00	0.29	348.88	100	2599.90	1.35	1.35 N	9.13 W	9.23	278.39	0.31	0.16	275.89
	2700.00	0.74	65.31	100	2699.90	1.87	1.87 N	8.59 W	8.79	282.25	0.73	0.45	-283.57
	2800.00	0.36	11.59	100	2799.89	2.44	2.44 N	7.94 W	8.31	287.09	0.60	-0.38	-53.72



Company: Mewbourne
 Well: SaladoDraw10W1DMFeeCom2H
 Location: Lea Co., New Mexico
 Rig: Patterson 270

Job Number: 60313
 Grid Corr.: -0.41
 Lat: 32.06
 Long: -103.57

Calculation Method: Minimum Curvature
 Proposed Azimuth:
 RKB - MSL in feet: 28 Feet
 Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	2900.00	0.99	92.39	100	2899.89	2.71	2.71 N	7.02 W	7.52	291.15	1.00	0.63	80.80
	3000.00	1.28	96.11	100	2999.87	2.56	2.56 N	5.04 W	5.66	296.91	0.30	0.29	3.72
	3100.00	1.47	95.39	100	3099.84	2.32	2.32 N	2.66 W	3.53	311.14	0.19	0.19	-0.72
	3200.00	1.35	94.93	100	3199.81	2.10	2.10 N	0.21 W	2.11	354.42	0.12	-0.12	-0.46
	3300.00	1.43	104.47	100	3299.78	1.69	1.69 N	2.18 E	2.75	52.25	0.24	0.08	9.54
	3400.00	1.28	107.89	100	3399.75	1.03	1.03 N	4.45 E	4.57	76.96	0.17	-0.15	3.42
	3500.00	1.03	115.77	100	3499.73	0.30	0.30 N	6.32 E	6.33	87.31	0.30	-0.25	7.88
	3600.00	0.89	134.29	100	3599.72	-0.64	0.64 S	7.69 E	7.71	94.73	0.34	-0.14	18.52
	3700.00	0.81	158.16	100	3699.71	-1.83	1.83 S	8.50 E	8.70	102.18	0.36	-0.08	23.87
	3800.00	0.86	154.28	100	3799.70	-3.17	3.17 S	9.09 E	9.63	109.20	0.08	0.05	-3.88
	3900.00	0.72	153.54	100	3899.69	-4.41	4.41 S	9.70 E	10.65	114.43	0.14	-0.14	-0.74
	4000.00	0.99	161.76	100	3999.68	-5.79	5.79 S	10.25 E	11.77	119.46	0.30	0.27	8.22
	4100.00	1.61	121.44	100	4099.65	-7.34	7.34 S	11.72 E	13.83	122.07	1.07	0.62	-40.32
	4200.00	1.79	121.18	100	4199.61	-8.88	8.88 S	14.25 E	16.79	121.93	0.18	0.18	-0.26
	4300.00	1.77	126.82	100	4299.56	-10.62	10.62 S	16.83 E	19.90	122.25	0.18	-0.02	5.64
	4400.00	1.95	122.61	100	4399.51	-12.46	12.46 S	19.49 E	23.14	122.58	0.23	0.18	-4.21
	4500.00	2.31	129.26	100	4499.44	-14.65	14.65 S	22.49 E	26.84	123.09	0.44	0.36	6.65
	4600.00	2.19	140.82	100	4599.36	-17.41	17.41 S	25.26 E	30.67	124.58	0.47	-0.12	11.56
	4700.00	1.86	151.85	100	4699.30	-20.32	20.32 S	27.23 E	33.98	126.73	0.51	-0.33	11.03
	4800.00	1.42	184.35	100	4799.26	-22.99	22.99 S	27.90 E	36.15	129.49	1.01	-0.44	32.50
	4900.00	1.05	194.69	100	4899.24	-25.11	25.11 S	27.57 E	37.29	132.32	0.43	-0.37	10.34
	5000.00	1.26	162.79	100	4999.22	-27.05	27.05 S	27.67 E	38.69	134.35	0.67	0.21	-31.90
	5100.00	1.37	184.90	100	5099.19	-29.29	29.29 S	27.89 E	40.44	136.40	0.52	0.11	22.11
	5200.00	1.04	102.06	100	5199.17	-30.67	30.67 S	28.68 E	41.99	136.92	1.61	-0.33	-82.84
	5300.00	1.06	130.82	100	5299.16	-31.46	31.46 S	30.26 E	43.65	136.11	0.52	0.02	28.76
	5400.00	1.30	155.99	100	5399.14	-33.10	33.10 S	31.42 E	45.64	136.49	0.57	0.24	25.17
	5500.00	1.22	125.47	100	5499.11	-34.76	34.76 S	32.75 E	47.76	136.70	0.67	-0.08	-30.52
	5600.00	1.32	199.02	100	5599.10	-36.46	36.46 S	33.24 E	49.34	137.64	1.52	0.10	73.55
	5700.00	0.99	221.87	100	5699.08	-38.20	38.20 S	32.29 E	50.02	139.79	0.56	-0.33	22.85
	5800.00	1.12	286.53	100	5799.06	-38.56	38.56 S	30.78 E	49.34	141.40	1.13	0.13	64.66
	5900.00	0.97	256.93	100	5899.05	-38.47	38.47 S	29.02 E	48.19	142.98	0.55	-0.15	-29.60



Company: Mewbourne
 Well: SaladoDraw10W1DMFeeCom2H
 Location: Lea Co., New Mexico
 Rig: Patterson 270

Job Number: 60313
 Grid Corr.: -0.41
 Lat: 32.06
 Long: -103.57

Calculation Method: Minimum Curvature
 Proposed Azimuth:
 RKB - MSL in feet: 28 Feet
 Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	6000.00	0.84	237.41	100	5999.03	-39.06	39.06 S	27.58 E	47.81	144.78	0.33	-0.13	-19.52
	6100.00	0.87	180.74	100	6099.02	-40.21	40.21 S	26.95 E	48.41	146.17	0.81	0.03	-56.67
	6200.00	0.72	150.73	100	6199.02	-41.52	41.52 S	27.25 E	49.66	146.73	0.44	-0.15	-30.01
	6300.00	0.62	233.83	100	6299.01	-42.39	42.39 S	27.12 E	50.32	147.39	0.89	-0.10	83.10
	6400.00	0.69	248.19	100	6399.00	-42.93	42.93 S	26.12 E	50.25	148.68	0.18	0.07	14.36
	6500.00	0.54	293.25	100	6499.00	-42.97	42.97 S	25.13 E	49.78	149.68	0.49	-0.15	45.06
	6600.00	0.66	327.31	100	6598.99	-42.30	42.30 S	24.38 E	48.82	150.04	0.37	0.12	34.06
	6700.00	0.31	49.28	100	6698.99	-41.64	41.64 S	24.28 E	48.20	149.75	0.69	-0.35	-278.03
	6800.00	0.64	271.43	100	6798.99	-41.45	41.45 S	23.93 E	47.86	150.00	0.89	0.33	222.15
	6900.00	0.68	208.62	100	6898.98	-41.95	41.95 S	23.08 E	47.89	151.18	0.69	0.04	-62.81
	7000.00	0.64	266.03	100	6998.98	-42.51	42.51 S	22.24 E	47.98	152.38	0.63	-0.04	57.41
	7100.00	0.70	270.78	100	7098.97	-42.54	42.54 S	21.07 E	47.48	153.65	0.08	0.06	4.75
	7200.00	0.65	300.41	100	7198.96	-42.25	42.25 S	19.97 E	46.73	154.70	0.35	-0.05	29.63
	7300.00	0.61	187.20	100	7298.96	-42.49	42.49 S	19.42 E	46.72	155.44	1.05	-0.04	-113.21
	7400.00	0.81	165.34	100	7398.95	-43.70	43.70 S	19.53 E	47.87	155.92	0.33	0.20	-21.86
	7500.00	0.35	199.52	100	7498.95	-44.67	44.67 S	19.61 E	48.79	156.30	0.56	-0.46	34.18
	7600.00	0.70	244.92	100	7598.94	-45.22	45.22 S	18.95 E	49.03	157.26	0.52	0.35	45.40
	7700.00	0.70	265.31	100	7698.94	-45.53	45.53 S	17.79 E	48.88	158.66	0.25	0.00	20.39
	7800.00	0.61	260.11	100	7798.93	-45.67	45.67 S	16.66 E	48.61	159.96	0.11	-0.09	-5.20
	7900.00	0.86	258.90	100	7898.92	-45.91	45.91 S	15.39 E	48.42	161.46	0.25	0.25	-1.21
	8000.00	0.87	212.66	100	7998.91	-46.69	46.69 S	14.25 E	48.82	163.03	0.68	0.01	-46.24
	8100.00	1.03	234.40	100	8098.90	-47.85	47.85 S	13.11 E	49.62	164.68	0.39	0.16	21.74
	8200.00	0.72	141.04	100	8198.89	-48.86	48.86 S	12.77 E	50.51	165.35	1.29	-0.31	-93.36
	8300.00	1.20	277.99	100	8298.88	-49.21	49.21 S	12.13 E	50.68	166.15	1.79	0.48	136.95
	8400.00	0.89	224.54	100	8398.87	-49.62	49.62 S	10.55 E	50.72	168.00	0.98	-0.31	-53.45
	8500.00	1.27	214.44	100	8498.85	-51.08	51.08 S	9.38 E	51.94	169.60	0.42	0.38	-10.10
	8600.00	1.43	267.43	100	8598.83	-52.05	52.05 S	7.50 E	52.59	171.80	1.21	0.16	52.99
	8700.00	1.27	288.93	100	8698.80	-51.75	51.75 S	5.21 E	52.01	174.25	0.53	-0.16	21.50
	8800.00	1.34	316.28	100	8798.78	-50.54	50.54 S	3.35 E	50.66	176.21	0.62	0.07	27.35
	8900.00	1.31	257.20	100	8898.75	-49.95	49.95 S	1.43 E	49.97	178.36	1.31	-0.03	-59.08
	9000.00	1.49	266.92	100	8998.72	-50.28	50.28 S	0.98 W	50.29	181.12	0.30	0.18	9.72



Company:	Mewbourne
Well:	SaladoDraw10W1DMFeeCom2H
Location:	Lea Co., New Mexico
Rig:	Patterson 270

Job Number:	60313
Grid Corr.:	-0.41
Lat:	32.06
Long:	-103.57

Calculation Method:	Minimum Curvature
Proposed Azimuth:	
RKB - MSL in feet:	<u>28 Feet</u>
Tie Into:	Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	9100.00	1.65	270.74	100	9098.69	-50.33	50.33 S	3.72 W	50.46	184.23	0.19	0.16	3.82
	9200.00	1.86	277.27	100	9198.64	-50.10	50.10 S	6.77 W	50.56	187.70	0.29	0.21	6.53
	9300.00	2.64	285.19	100	9298.56	-49.29	49.29 S	10.60 W	50.42	192.14	0.84	0.78	7.92
	9400.00	2.77	290.95	100	9398.45	-47.83	47.83 S	15.08 W	50.15	197.50	0.30	0.13	5.76
	9500.00	3.11	301.71	100	9498.32	-45.54	45.54 S	19.65 W	49.59	203.34	0.65	0.34	10.76
	9600.00	4.55	301.34	100	9598.09	-42.05	42.05 S	25.34 W	49.09	211.08	1.44	1.44	-0.37
	9700.00	6.69	297.04	100	9697.61	-37.34	37.34 S	33.92 W	50.44	222.25	2.18	2.14	-4.30
	9800.00	7.13	296.66	100	9796.88	-31.90	31.90 S	44.65 W	54.88	234.46	0.44	0.44	-0.38
	9900.00	7.18	296.01	100	9896.10	-26.38	26.38 S	55.82 W	61.74	244.70	0.10	0.05	-0.65
	10000.00	6.30	297.98	100	9995.41	-21.06	21.06 S	66.28 W	69.54	252.37	0.91	-0.88	1.97
	10100.00	5.37	299.68	100	10094.89	-16.17	16.17 S	75.19 W	76.91	257.86	0.95	-0.93	1.70
	10200.00	5.17	294.19	100	10194.47	-12.01	12.01 S	83.36 W	84.23	261.80	0.54	-0.20	-5.49
	10300.00	4.74	285.58	100	10294.10	-9.05	9.05 S	91.45 W	91.90	264.35	0.86	-0.43	-8.61
	10400.00	3.46	269.97	100	10393.84	-7.95	7.95 S	98.45 W	98.77	265.39	1.69	-1.28	-15.61
	10500.00	3.21	277.76	100	10493.67	-7.57	7.57 S	104.24 W	104.52	265.85	0.52	-0.25	7.79
	10600.00	2.74	270.57	100	10593.54	-7.17	7.17 S	109.41 W	109.64	266.25	0.60	-0.47	-7.19
	10700.00	2.40	238.74	100	10693.44	-8.23	8.23 S	113.59 W	113.89	265.86	1.45	-0.34	-31.83
	10800.00	2.38	198.28	100	10793.36	-11.29	11.29 S	116.03 W	116.58	264.44	1.65	-0.02	-40.46
	10900.00	1.77	160.70	100	10893.30	-14.72	14.72 S	116.17 W	117.10	262.78	1.46	-0.61	-37.58
	11000.00	2.82	204.52	100	10993.22	-18.41	18.41 S	116.68 W	118.13	261.03	1.97	1.05	43.82
	11100.00	3.44	197.28	100	11093.08	-23.52	23.52 S	118.59 W	120.90	258.78	0.73	0.62	-7.24
	11200.00	4.65	204.29	100	11192.83	-30.08	30.08 S	121.15 W	124.83	256.06	1.30	1.21	7.01
	11300.00	4.47	214.90	100	11292.51	-36.97	36.97 S	125.05 W	130.40	253.53	0.86	-0.18	10.61
	11400.00	4.88	228.23	100	11392.18	-43.00	43.00 S	130.45 W	137.35	251.76	1.16	0.41	13.33
	11527.00	4.15	244.21	127	11518.79	-48.59	48.59 S	138.62 W	146.89	250.68	1.14	-0.57	12.58