

OPERATOR
WELL/LEASE
COUNTY

MEWBOURNE OIL COMPANY
Salado Draw 10 A3PA Fed 2H
LEA

HOBBS OCD

187-0029

MAR 08 2016

STATE OF NEW MEXICO
DEVIATION REPORT

RECEIVED

240	0.90
534	0.64
765	0.41
1,009	0.36

BY: Briana Welch

STATE OF TEXAS

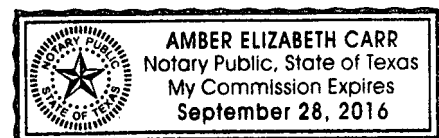
COUNTY OF MIDLAND

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

10/27/15, by

Amber Elizabeth Carr

Notary Public for Midland County, Texas
My Commission Expires:



MAR 30 2016



COMPANY: Mewbourne Oil Company
 WELL: Salado Draw 10 A3PA Fed #2H
 COUNTY: Lea County N.M.
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson Patterson 187



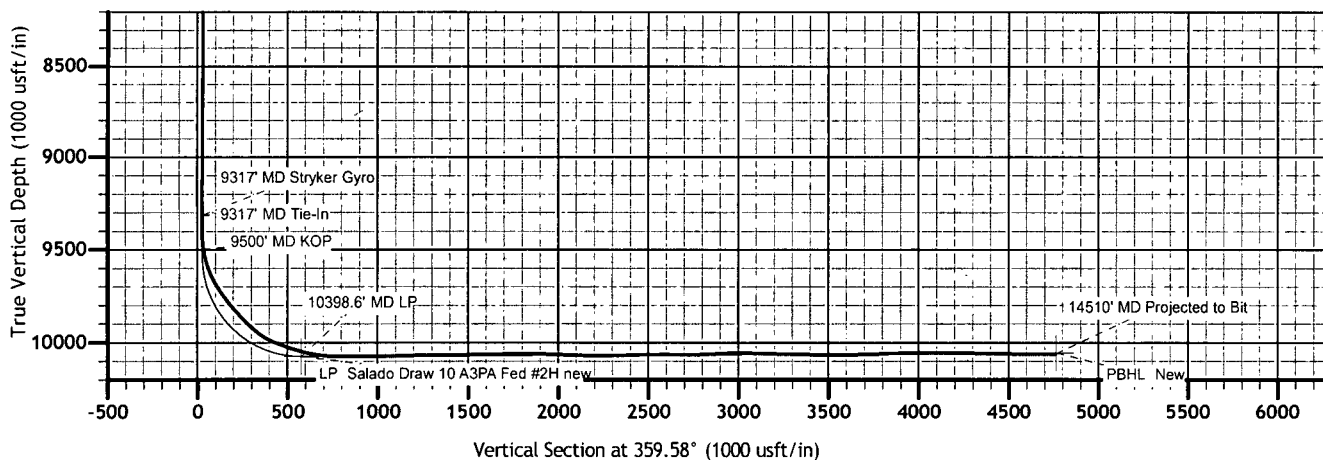
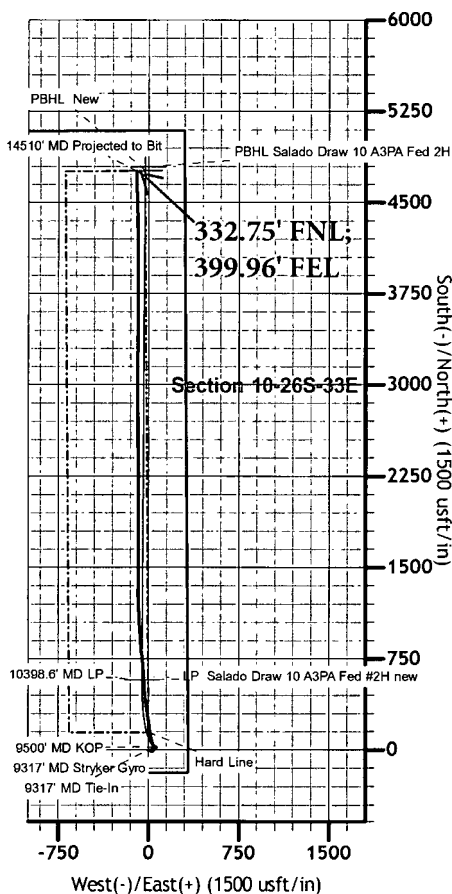
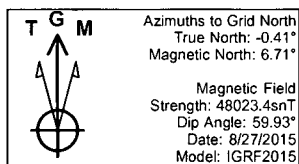
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.71°

OFFICE: 936.582.7296

GEODETIC ZONE: New Mexico East 3001 3326 + 28 @ 3354.0usft (Patterson 187) GROUND ELEVATION: 3326.0										
		+N/-S 0.0	+E/-W 0.0	Northing 383193.90	Easting 742000.70	Latitude 32° 3' 3.991 N	Longitude 103° 33' 8.099 W	Slot		
PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	9317.0	1.02	251.90	9316.0	26.2	51.7	0.00	0.00	25.8	
2	9500.0	1.02	251.90	9499.0	25.2	48.6	0.00	0.00	24.8	
3	9654.2	16.66	316.12	9651.0	40.8	31.8	10.53	67.37	40.6	
4	10398.6	90.26	0.27	10074.0	576.1	-54.3	10.53	45.32	576.5	LP Salado Draw 10 A3PA Fed #2H new
5	14586.7	90.26	0.27	10055.0	4764.1	-34.9	0.00	0.00	4764.2	PBHL New

SHL 185' FSL; 330' FEL
 Section 10-26S-33E
 PBHL 330' FNL; 330' FEL
 Section 10-26S-33E

Please stay to the West of
 plan.
 the plan is on hard line.
 Thanks





HOBBS OCD
MAR 08 2016
RECEIVED

Mewbourne Oil Company .

Lea County N.M.

Section 10-26S-33E Salado Draw 10 A3PA Fed #2H

Salado Draw 10 A3PA Fed #2H

Original Hole

Design: Original Hole

Standard Survey Report

17 September, 2015



cyf



Stryker Directional Survey Report



Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Salado Draw 10 A3PA Fed #2H
Project:	Lea County N.M.	TVD Reference:	3326 + 28 @ 3354.0usft (Patterson 187)
Site:	Section 10-26S-33E Salado Draw 10 A3PA Fed #2H	MD Reference:	3326 + 28 @ 3354.0usft (Patterson 187)
Well:	Salado Draw 10 A3PA Fed #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 A3PA Fed #2H		
Site Position:	Northing:	383,193.90 usft	Latitude: 32° 3' 3.991 N
From: Map	Easting:	742,000.70 usft	Longitude: 103° 33' 8.099 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence:	0.41 °

Well	Salado Draw 10 A3PA Fed #2H		
Well Position	+N/-S	0.0 usft	Northing: 383,193.90 usft
	+E/-W	0.0 usft	Easting: 742,000.70 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Ground Level:	3,326.0 usft

Wellbore	Original Hole		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/27/2015	7.13	59.93	48,023

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	359.58

Survey Program	Date 9/17/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	9,317.0	Stryker Gyro Survey (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot
9,397.0	14,510.0	MWD 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	0.62	86.76	100.0	0.0	0.5	0.0	0.62	0.62	0.00	
200.0	0.51	82.49	200.0	0.1	1.5	0.1	0.12	-0.11	-4.27	
300.0	0.69	87.19	300.0	0.2	2.6	0.2	0.19	0.18	4.70	
400.0	0.47	72.69	400.0	0.4	3.6	0.3	0.26	-0.22	-14.50	
500.0	0.56	85.74	500.0	0.5	4.4	0.5	0.15	0.09	13.05	
600.0	0.66	100.03	600.0	0.5	5.5	0.4	0.18	0.10	14.29	
700.0	0.89	103.59	700.0	0.2	6.8	0.1	0.23	0.23	3.56	
800.0	1.03	110.92	799.9	-0.3	8.4	-0.4	0.19	0.14	7.33	



Stryker Directional Survey Report



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Project:	Lea County N.M.	TVD Reference:	3326 + 28 @ 3354.0usft (Patterson 187)
Site:	Section 10-26S-33E Salado Draw 10 A3PA Fed #2H	MD Reference:	3326 + 28 @ 3354.0usft (Patterson 187)
Well:	Salado Draw 10 A3PA Fed #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	0.99	111.91	899.9	-1.0	10.0	-1.1	0.04	-0.04	0.99	
1,000.0	0.52	117.41	999.9	-1.5	11.3	-1.6	0.48	-0.47	5.50	
1,100.0	0.65	132.36	1,099.9	-2.1	12.1	-2.2	0.20	0.13	14.95	
1,200.0	0.71	133.18	1,199.9	-2.9	12.9	-3.0	0.06	0.06	0.82	
1,300.0	0.89	125.09	1,299.9	-3.8	14.0	-3.9	0.21	0.18	-8.09	
1,400.0	0.97	125.16	1,399.9	-4.7	15.4	-4.8	0.08	0.08	0.07	
1,500.0	1.16	116.06	1,499.9	-5.6	17.0	-5.8	0.25	0.19	-9.10	
1,600.0	1.30	111.86	1,599.8	-6.5	18.9	-6.6	0.17	0.14	-4.20	
1,700.0	1.22	112.86	1,699.8	-7.3	21.0	-7.5	0.08	-0.08	1.00	
1,800.0	1.04	112.58	1,799.8	-8.1	22.8	-8.3	0.18	-0.18	-0.28	
1,900.0	1.33	118.29	1,899.8	-9.0	24.6	-9.2	0.31	0.29	5.71	
2,000.0	1.41	112.71	1,999.8	-10.0	26.8	-10.2	0.16	0.08	-5.58	
2,100.0	1.40	111.13	2,099.7	-10.9	29.1	-11.2	0.04	-0.01	-1.58	
2,200.0	1.50	105.51	2,199.7	-11.7	31.5	-12.0	0.17	0.10	-5.62	
2,300.0	0.55	58.13	2,299.7	-11.8	33.1	-12.1	1.20	-0.95	-47.38	
2,400.0	0.81	27.94	2,399.7	-11.0	33.9	-11.2	0.43	0.26	-30.19	
2,500.0	0.80	21.96	2,499.7	-9.7	34.5	-9.9	0.08	-0.01	-5.98	
2,600.0	0.89	15.95	2,599.7	-8.3	34.9	-8.5	0.13	0.09	-6.01	
2,700.0	0.95	26.43	2,699.6	-6.8	35.5	-7.1	0.18	0.06	10.48	
2,800.0	1.18	17.54	2,799.6	-5.1	36.2	-5.3	0.28	0.23	-8.89	
2,900.0	1.24	19.70	2,899.6	-3.1	36.9	-3.3	0.08	0.06	2.16	
3,000.0	1.36	21.78	2,999.6	-1.0	37.7	-1.2	0.13	0.12	2.08	
3,100.0	1.55	30.90	3,099.5	1.3	38.8	1.0	0.30	0.19	9.12	
3,200.0	0.63	27.62	3,199.5	3.0	39.8	2.7	0.92	-0.92	-3.28	
3,300.0	0.07	322.47	3,299.5	3.5	40.0	3.2	0.60	-0.56	-65.15	
3,400.0	0.13	265.08	3,399.5	3.5	39.8	3.2	0.11	0.06	-57.39	
3,500.0	0.16	251.31	3,499.5	3.5	39.6	3.2	0.05	0.03	-13.77	
3,600.0	0.26	230.01	3,599.5	3.3	39.3	3.0	0.13	0.10	-21.30	
3,700.0	0.38	139.71	3,699.5	2.9	39.3	2.6	0.46	0.12	-90.30	
3,800.0	0.98	134.50	3,799.5	2.0	40.1	1.7	0.60	0.60	-5.21	
3,900.0	1.15	120.22	3,899.5	0.9	41.6	0.6	0.31	0.17	-14.28	
4,000.0	1.69	120.28	3,999.5	-0.3	43.8	-0.6	0.54	0.54	0.06	
4,100.0	0.54	45.64	4,099.4	-0.7	45.4	-1.1	1.63	-1.15	-74.64	
4,200.0	1.23	350.69	4,199.4	0.7	45.5	0.3	1.02	0.69	-54.95	
4,300.0	1.55	352.20	4,299.4	3.1	45.2	2.7	0.32	0.32	1.51	
4,400.0	1.47	359.72	4,399.4	5.7	45.0	5.3	0.21	-0.08	7.52	
4,500.0	1.29	16.63	4,499.3	8.0	45.3	7.7	0.44	-0.18	16.91	
4,600.0	1.22	30.85	4,599.3	10.0	46.2	9.7	0.32	-0.07	14.22	
4,700.0	1.38	39.25	4,699.3	11.9	47.5	11.5	0.25	0.16	8.40	
4,800.0	1.33	72.63	4,799.3	13.2	49.4	12.8	0.78	-0.05	33.38	
4,900.0	1.64	76.64	4,899.2	13.8	51.9	13.5	0.33	0.31	4.01	
5,000.0	1.55	76.09	4,999.2	14.5	54.6	14.1	0.09	-0.09	-0.55	



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salado Draw 10 A3PA Fed #2H
Project:	Lea County N.M.	TVD Reference:	3326 + 28 @ 3354.0usft (Patterson 187)
Site:	Section 10-26S-33E Salado Draw 10 A3PA Fed #2H	MD Reference:	3326 + 28 @ 3354.0usft (Patterson 187)
Well:	Salado Draw 10 A3PA Fed #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	0.75	75.92	5,099.2	15.0	56.5	14.6	0.80	-0.80	-0.17
5,200.0	0.64	77.64	5,199.2	15.3	57.7	14.8	0.11	-0.11	1.72
5,300.0	0.52	70.43	5,299.2	15.5	58.7	15.1	0.14	-0.12	-7.21
5,400.0	0.78	62.03	5,399.2	16.0	59.7	15.6	0.28	0.26	-8.40
5,500.0	0.75	76.89	5,499.1	16.5	60.9	16.0	0.20	-0.03	14.86
5,600.0	0.81	68.08	5,599.1	16.9	62.2	16.4	0.13	0.06	-8.81
5,700.0	0.80	58.38	5,699.1	17.5	63.5	17.0	0.14	-0.01	-9.70
5,800.0	0.71	65.81	5,799.1	18.1	64.6	17.7	0.13	-0.09	7.43
5,900.0	0.71	54.65	5,899.1	18.7	65.7	18.3	0.14	0.00	-11.16
6,000.0	0.36	35.14	5,999.1	19.4	66.4	18.9	0.39	-0.35	-19.51
6,100.0	0.30	19.18	6,099.1	19.9	66.7	19.4	0.11	-0.06	-15.96
6,200.0	0.31	5.69	6,199.1	20.4	66.8	19.9	0.07	0.01	-13.49
6,300.0	0.47	350.71	6,299.1	21.0	66.7	20.6	0.19	0.16	-14.98
6,400.0	0.31	0.31	6,399.1	21.7	66.7	21.2	0.17	-0.16	9.60
6,500.0	0.37	1.16	6,499.1	22.3	66.7	21.8	0.06	0.06	0.85
6,600.0	0.15	342.02	6,599.1	22.8	66.6	22.3	0.23	-0.22	-19.14
6,700.0	0.36	0.67	6,699.1	23.2	66.6	22.7	0.22	0.21	18.65
6,800.0	0.29	348.76	6,799.1	23.8	66.6	23.3	0.10	-0.07	-11.91
6,900.0	0.36	340.63	6,899.1	24.3	66.4	23.8	0.08	0.07	-8.13
7,000.0	0.50	339.91	6,999.1	25.0	66.1	24.5	0.14	0.14	-0.72
7,100.0	0.41	341.02	7,099.1	25.8	65.9	25.3	0.09	-0.09	1.11
7,200.0	0.34	338.95	7,199.1	26.4	65.7	25.9	0.07	-0.07	-2.07
7,300.0	0.26	334.29	7,299.1	26.9	65.5	26.4	0.08	-0.08	-4.66
7,400.0	0.28	345.99	7,399.1	27.3	65.3	26.8	0.06	0.02	11.70
7,500.0	0.24	317.15	7,499.1	27.7	65.1	27.2	0.14	-0.04	-28.84
7,600.0	0.38	328.34	7,599.1	28.1	64.8	27.7	0.15	0.14	11.19
7,700.0	0.42	316.27	7,699.1	28.7	64.4	28.2	0.09	0.04	-12.07
7,800.0	0.14	336.54	7,799.1	29.1	64.0	28.6	0.29	-0.28	20.27
7,900.0	0.12	315.37	7,899.1	29.2	63.9	28.8	0.05	-0.02	-21.17
8,000.0	0.07	279.07	7,999.1	29.3	63.8	28.9	0.08	-0.05	-36.30
8,100.0	0.43	268.34	8,099.1	29.3	63.4	28.9	0.36	0.36	-10.73
8,200.0	0.49	280.68	8,199.1	29.4	62.6	28.9	0.12	0.06	12.34
8,300.0	0.61	290.18	8,299.1	29.7	61.6	29.2	0.15	0.12	9.50
8,400.0	0.49	284.53	8,399.1	29.9	60.7	29.5	0.13	-0.12	-5.65
8,500.0	0.40	270.39	8,499.1	30.1	60.0	29.6	0.14	-0.09	-14.14
8,600.0	0.42	256.37	8,599.1	30.0	59.3	29.5	0.10	0.02	-14.02
8,700.0	0.54	233.73	8,699.0	29.6	58.5	29.2	0.22	0.12	-22.64
8,800.0	0.63	240.45	8,799.0	29.1	57.7	28.6	0.11	0.09	6.72
8,900.0	0.64	241.47	8,899.0	28.5	56.7	28.1	0.02	0.01	1.02
9,000.0	0.71	244.96	8,999.0	28.0	55.6	27.6	0.08	0.07	3.49
9,100.0	0.68	250.50	9,099.0	27.5	54.5	27.1	0.07	-0.03	5.54
9,200.0	0.85	243.24	9,199.0	27.0	53.3	26.6	0.20	0.17	-7.26
9,300.0	0.93	242.99	9,299.0	26.3	51.9	25.9	0.08	0.08	-0.25



Stryker Directional Survey Report



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Project:	Lea County N.M.	TVD Reference:	3326 + 28 @ 3354.0usft (Patterson 187)
Site:	Section 10-26S-33E Salado Draw 10 A3PA Fed #2H	MD Reference:	3326 + 28 @ 3354.0usft (Patterson 187)
Well:	Salado Draw 10 A3PA Fed #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)
9,317.0	1.02	251.90	9,316.0	26.2	51.7	25.8	1.04	0.53	52.41
9317' MD Stryker Gyro									
9,397.0	0.70	282.00	9,396.0	26.1	50.5	25.7	0.68	-0.40	37.63
9,429.0	2.80	328.40	9,428.0	26.8	49.9	26.4	7.41	6.56	145.00
9,461.0	6.20	327.40	9,459.9	28.9	48.6	28.5	10.63	10.63	-3.13
9,492.0	9.50	328.30	9,490.6	32.5	46.3	32.1	10.65	10.65	2.90
9,524.0	13.20	329.50	9,521.9	37.9	43.1	37.6	11.59	11.56	3.75
9,555.0	16.70	333.30	9,551.9	44.9	39.3	44.6	11.72	11.29	12.26
9,587.0	19.80	335.10	9,582.3	53.9	34.9	53.7	9.85	9.69	5.63
9,618.0	23.20	339.60	9,611.1	64.4	30.6	64.2	12.18	10.97	14.52
9,650.0	26.90	344.60	9,640.1	77.3	26.5	77.1	13.31	11.56	15.63
9,682.0	29.70	346.60	9,668.3	92.0	22.7	91.8	9.24	8.75	6.25
9,713.0	32.10	346.80	9,694.9	107.5	19.0	107.4	7.75	7.74	0.65
9,744.0	35.70	349.30	9,720.6	124.4	15.5	124.3	12.45	11.61	8.06
9,776.0	38.50	351.50	9,746.1	143.4	12.3	143.4	9.68	8.75	6.88
9,808.0	39.10	352.50	9,771.1	163.3	9.5	163.2	2.71	1.88	3.13
9,839.0	38.40	352.00	9,795.2	182.5	6.9	182.5	2.47	-2.26	-1.61
9,870.0	40.70	352.40	9,819.1	202.1	4.2	202.0	7.46	7.42	1.29
9,902.0	43.60	351.80	9,842.9	223.3	1.2	223.3	9.15	9.06	-1.88
9,933.0	45.30	351.90	9,865.0	244.8	-1.8	244.8	5.49	5.48	0.32
9,965.0	46.60	352.40	9,887.2	267.6	-5.0	267.7	4.21	4.06	1.56
9,997.0	48.00	351.80	9,908.9	290.9	-8.2	291.0	4.59	4.38	-1.88
10,028.0	51.20	349.90	9,929.0	314.2	-12.0	314.3	11.33	10.32	-6.13
10,060.0	54.10	349.00	9,948.4	339.2	-16.6	339.3	9.33	9.06	-2.81
10,091.0	58.50	349.90	9,965.6	364.6	-21.4	364.7	14.40	14.19	2.90
10,123.0	63.00	352.60	9,981.3	392.2	-25.6	392.3	15.87	14.06	8.44
10,154.0	67.10	355.50	9,994.4	420.1	-28.5	420.3	15.71	13.23	9.35
10,186.0	69.50	356.20	10,006.2	449.8	-30.6	450.0	7.77	7.50	2.19
10,217.0	70.50	356.90	10,016.8	478.8	-32.4	479.1	3.86	3.23	2.26
10,249.0	71.90	356.60	10,027.1	509.1	-34.1	509.3	4.46	4.38	-0.94
10,280.0	74.20	357.00	10,036.1	538.7	-35.8	538.9	7.52	7.42	1.29
10,312.0	75.30	357.40	10,044.6	569.5	-37.3	569.8	3.64	3.44	1.25
10,326.4	75.72	357.21	10,048.2	583.5	-37.9	583.7	3.16	2.90	-1.29
LP Salado Draw 10 A3PA Fed #2H new									
10,343.0	76.20	357.00	10,052.2	599.5	-38.7	599.8	3.16	2.90	-1.29
10,375.0	79.10	354.90	10,059.0	630.7	-41.0	631.0	11.10	9.06	-6.56
10,407.0	81.00	354.40	10,064.6	662.1	-43.9	662.4	6.13	5.94	-1.56
10,438.0	83.60	354.10	10,068.7	692.6	-47.0	693.0	8.44	8.39	-0.97
10,470.0	87.50	354.10	10,071.2	724.4	-50.3	724.7	12.19	12.19	0.00
10,518.0	89.70	354.10	10,072.4	772.1	-55.2	772.5	4.58	4.58	0.00
10,613.0	90.30	355.80	10,072.4	866.7	-63.5	867.2	1.90	0.63	1.79
10,708.0	90.00	356.00	10,072.1	961.5	-70.3	962.0	0.38	-0.32	0.21
10,803.0	90.50	357.00	10,071.7	1,056.3	-76.1	1,056.8	1.18	0.53	1.05



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Salado Draw 10 A3PA Fed #2H
Project:	Lea County N.M.	TVD Reference:	3326 + 28 @ 3354.0usft (Patterson 187)
Site:	Section 10-26S-33E Salado Draw 10 A3PA Fed #2H	MD Reference:	3326 + 28 @ 3354.0usft (Patterson 187)
Well:	Salado Draw 10 A3PA Fed #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)
10,898.0	90.90	356.80	10,070.5	1,151.2	-81.3	1,151.7	0.47	0.42	-0.21
10,993.0	91.10	359.00	10,068.9	1,246.1	-84.8	1,246.7	2.32	0.21	2.32
11,087.0	91.80	358.40	10,066.5	1,340.0	-86.9	1,340.6	0.98	0.74	-0.64
11,182.0	90.00	0.80	10,065.0	1,435.0	-87.5	1,435.6	3.16	-1.89	2.53
11,277.0	90.00	0.20	10,065.0	1,530.0	-86.7	1,530.6	0.63	0.00	-0.63
11,372.0	91.70	359.60	10,063.6	1,625.0	-86.9	1,625.6	1.90	1.79	-0.63
11,467.0	91.00	359.60	10,061.4	1,719.9	-87.5	1,720.5	0.74	-0.74	0.00
11,562.0	90.20	1.50	10,060.4	1,814.9	-86.6	1,815.5	2.17	-0.84	2.00
11,657.0	88.60	1.10	10,061.4	1,909.9	-84.5	1,910.5	1.74	-1.68	-0.42
11,752.0	87.60	0.50	10,064.5	2,004.8	-83.2	2,005.4	1.23	-1.05	-0.63
11,847.0	88.40	0.00	10,067.8	2,099.8	-82.7	2,100.3	0.99	0.84	-0.53
11,942.0	89.10	359.30	10,069.9	2,194.7	-83.3	2,195.3	1.04	0.74	-0.74
12,037.0	90.90	359.70	10,069.9	2,289.7	-84.2	2,290.3	1.94	1.89	0.42
12,131.0	92.20	358.40	10,067.4	2,383.7	-85.7	2,384.3	1.96	1.38	-1.38
12,227.0	91.60	359.00	10,064.2	2,479.6	-87.9	2,480.2	0.88	-0.63	0.63
12,322.0	88.70	0.00	10,063.9	2,574.6	-88.7	2,575.2	3.23	-3.05	1.05
12,417.0	88.90	359.20	10,065.9	2,669.6	-89.4	2,670.2	0.87	0.21	-0.84
12,511.0	91.60	359.00	10,065.5	2,763.6	-90.9	2,764.1	2.88	2.87	-0.21
12,606.0	93.90	358.40	10,061.0	2,858.4	-93.0	2,859.0	2.50	2.42	-0.63
12,700.0	92.10	0.00	10,056.0	2,952.3	-94.3	2,952.9	2.56	-1.91	1.70
12,794.0	88.60	1.00	10,055.5	3,046.2	-93.5	3,046.8	3.87	-3.72	1.06
12,889.0	88.50	0.80	10,057.9	3,141.2	-92.0	3,141.8	0.24	-0.11	-0.21
12,984.0	88.40	0.40	10,060.4	3,236.2	-91.0	3,236.7	0.43	-0.11	-0.42
13,079.0	88.80	0.40	10,062.8	3,331.1	-90.3	3,331.7	0.42	0.42	0.00
13,174.0	89.60	0.10	10,064.1	3,426.1	-89.9	3,426.7	0.90	0.84	-0.32
13,269.0	89.90	359.60	10,064.5	3,521.1	-90.2	3,521.7	0.61	0.32	-0.53
13,364.0	90.60	359.90	10,064.1	3,616.1	-90.6	3,616.7	0.80	0.74	0.32
13,458.0	91.00	359.90	10,062.8	3,710.1	-90.8	3,710.7	0.43	0.43	0.00
13,553.0	93.10	0.30	10,059.4	3,805.0	-90.6	3,805.6	2.25	2.21	0.42
13,647.0	91.10	0.70	10,055.9	3,899.0	-89.8	3,899.5	2.17	-2.13	0.43
13,742.0	90.00	0.30	10,055.0	3,994.0	-88.9	3,994.5	1.23	-1.16	-0.42
13,837.0	89.00	359.90	10,055.8	4,089.0	-88.8	4,089.5	1.13	-1.05	-0.42
13,932.0	89.80	359.30	10,056.8	4,183.9	-89.4	4,184.5	1.05	0.84	-0.63
14,027.0	91.10	358.80	10,056.1	4,278.9	-91.0	4,279.5	1.47	1.37	-0.53
14,122.0	88.40	358.70	10,056.5	4,373.9	-93.1	4,374.5	2.84	-2.84	-0.11
14,217.0	88.70	358.50	10,058.9	4,468.8	-95.4	4,469.4	0.38	0.32	-0.21
14,312.0	89.40	358.50	10,060.5	4,563.8	-97.9	4,564.4	0.74	0.74	0.00
14,407.0	90.30	358.40	10,060.7	4,658.8	-100.5	4,659.4	0.95	0.95	-0.11
14,464.0	89.60	357.50	10,060.8	4,715.7	-102.5	4,716.3	2.00	-1.23	-1.58
14,509.3	89.60	357.50	10,061.1	4,761.0	-104.5	4,761.7	0.00	0.00	0.00
PBHL New									
14,510.0	89.60	357.50	10,061.1	4,761.7	-104.5	4,762.3	0.00	0.00	0.00



Stryker Directional Survey Report



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Site:	Section 10-26S-33E Salado Draw 10 A3PA Fed #2H	MD Reference:	3326 + 28 @ 3354.0usft (Patterson 187)
Well:	Salado Draw 10 A3PA Fed #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)

14510' MD Projected to Bit - PBHL Salado Draw 10 A3PA Fed 2H

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,317.0	9,316.0	26.2	51.7	9317' MD Stryker Gyro
14,510.0	10,061.1	4,761.7	-104.5	14510' MD Projected to Bit