



Job Number: SVMO-141089
 Company: Yates Petroleum Corporation
 Lease/Well: Caravan State Unit 10H
 Location: Lea County, NM
 Rig Name: Cactus #124
 RKB: 25'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 6.82°
 Grid: East To Grid North
 File name: Y:\WINSER~1\2014SU~1\YATES\MOICARAVA~1\10H.SVY
 Date/Time: 12-Aug-14 / 14:46
 Curve Name: Surface - 1150' M.D. (Rate Gyro)

MAK 19 2015

MS Survey

HOBBS
 JAN 06 2015
 RECEIVED

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 179.57
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
Surface MD to 1150' MD is, to the best of
 our knowledge a true and accurate account of
 the well bore.
Curtis Bingham 8/12/14
 MS Energy Services Date

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.55	245.27	100.00	-.20	-.44	.20	.48	245.27	.55
200.00	.78	263.07	199.99	-.48	-1.55	.47	1.62	252.64	.31
300.00	.47	266.80	299.99	-.59	-2.63	.57	2.70	257.40	.31
400.00	.88	248.27	399.98	-.90	-3.76	.87	3.86	256.58	.46
500.00	1.05	269.09	499.96	-1.19	-5.39	1.15	5.52	257.49	.39
600.00	.95	255.11	599.95	-1.42	-7.10	1.37	7.24	258.68	.26
700.00	.88	276.01	699.94	-1.55	-8.67	1.49	8.81	259.83	.34
800.00	.81	280.09	799.93	-1.35	-10.13	1.27	10.22	262.40	.09
900.00	1.21	282.93	899.91	-.99	-11.85	.90	11.89	265.22	.40

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
1000.00	1.62	273.50	999.88	-.67	-14.29	.56	14.31	267.32	.47
1100.00	1.18	272.66	1099.85	-.53	-16.73	.41	16.74	268.17	.44
Last Survey Depth Recorded									
1150.00	.83	265.73	1149.84	-.54	-17.61	.40	17.61	268.25	.74

HOBBSOCD

JAN 06 2015

RECEIVED

Yates Petroleum

Lea County, NM (NAD-83)

Caravan State Unit

#10H

OH

Design: OH

Standard Survey Report

25 August, 2014

Survey Report

Survey Report

Company:	Yates Petroleum	Local Co-ordinate Reference:	Well #10H
Project:	Lea County, NM (NAD-83)	TVD Reference:	RKB @ 3504.0usft (Cactus #124 KB=25')
Site:	Caravan State Unit	MD Reference:	RKB @ 3504.0usft (Cactus #124 KB=25')
Well:	#10H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Houston R5000 Database

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)
1,000.0	1.62	273.50	999.9	-0.7	-14.3	0.6	0.47	0.41	-9.43
1,100.0	1.18	272.66	1,099.8	-0.5	-16.7	0.4	0.44	-0.44	-0.84
1,150.0	0.83	265.73	1,149.8	-0.5	-17.6	0.4	0.74	-0.70	-13.86
1,334.0	0.60	268.90	1,333.8	-0.7	-19.9	0.5	0.13	-0.13	1.72
1,428.0	0.10	36.70	1,427.8	-0.6	-20.3	0.4	0.71	-0.53	135.96
1,522.0	1.10	93.70	1,521.8	-0.6	-19.4	0.4	1.12	1.06	60.64
1,617.0	0.80	93.50	1,616.8	-0.7	-17.8	0.6	0.32	-0.32	-0.21
1,806.0	0.30	107.20	1,805.8	-0.9	-16.0	0.8	0.27	-0.26	7.25
1,996.0	0.40	113.40	1,995.8	-1.3	-14.9	1.2	0.06	0.05	3.26
2,185.0	0.40	78.40	2,184.8	-1.5	-13.7	1.4	0.13	0.00	-18.52
2,375.0	0.40	113.70	2,374.8	-1.6	-12.4	1.5	0.13	0.00	18.58
2,565.0	0.40	101.90	2,564.8	-2.0	-11.2	1.9	0.04	0.00	-6.21
2,754.0	0.60	106.60	2,753.8	-2.4	-9.6	2.3	0.11	0.11	2.49
2,944.0	0.80	105.00	2,943.8	-3.0	-7.4	3.0	0.11	0.11	-0.84
3,134.0	1.10	114.60	3,133.7	-4.1	-4.4	4.1	0.18	0.16	5.05
3,324.0	0.40	36.00	3,323.7	-4.4	-2.4	4.3	0.58	-0.37	-41.37
3,513.0	0.50	64.60	3,512.7	-3.5	-1.2	3.5	0.13	0.05	15.13
3,702.0	0.40	52.00	3,701.7	-2.7	0.0	2.7	0.07	-0.05	-6.67
3,892.0	0.10	13.50	3,891.7	-2.1	0.6	2.2	0.17	-0.16	-20.26
4,080.0	0.40	49.30	4,079.7	-1.6	1.1	1.6	0.17	0.16	19.04
4,175.0	0.80	258.90	4,174.7	-1.5	0.7	1.5	1.23	0.42	-158.32
4,270.0	0.80	62.40	4,269.7	-1.3	0.7	1.3	1.67	0.00	172.11
4,365.0	0.90	63.60	4,364.7	-0.7	1.9	0.7	0.11	0.11	1.26
4,459.0	1.20	120.30	4,458.7	-0.8	3.4	0.8	1.10	0.32	60.32
4,553.0	0.30	114.10	4,552.7	-1.4	4.5	1.5	0.96	-0.96	-6.60
4,648.0	0.20	34.70	4,647.7	-1.4	4.8	1.4	0.35	-0.11	-83.58
4,742.0	0.20	93.30	4,741.7	-1.3	5.1	1.3	0.21	0.00	62.34
4,837.0	0.40	93.10	4,836.7	-1.3	5.6	1.3	0.21	0.21	-0.21
4,932.0	0.60	105.40	4,931.7	-1.4	6.4	1.5	0.24	0.21	12.95
5,026.0	0.40	107.70	5,025.7	-1.7	7.2	1.7	0.21	-0.21	2.45
5,121.0	0.30	94.00	5,120.7	-1.8	7.7	1.8	0.14	-0.11	-14.42
5,301.0	0.10	95.20	5,300.7	-1.8	8.4	1.9	0.11	-0.11	0.67
5,491.0	0.20	170.60	5,490.7	-2.2	8.6	2.2	0.11	0.05	39.68
5,680.0	0.30	203.80	5,679.6	-3.0	8.4	3.0	0.09	0.05	17.57
5,868.0	0.40	218.20	5,867.6	-3.9	7.8	4.0	0.07	0.05	7.66
6,056.0	0.10	274.80	6,055.6	-4.4	7.3	4.5	0.19	-0.16	30.11
6,246.0	0.30	184.90	6,245.6	-4.9	7.1	5.0	0.17	0.11	-47.32
6,435.0	0.30	163.10	6,434.6	-5.9	7.2	5.9	0.06	0.00	-11.53
6,625.0	0.30	196.90	6,624.6	-6.8	7.2	6.9	0.09	0.00	17.79
6,814.0	0.30	185.30	6,813.6	-7.8	7.0	7.8	0.03	0.00	-6.14
6,909.0	0.50	4.70	6,908.6	-7.6	7.0	7.7	0.84	0.21	188.84
7,098.0	0.10	334.60	7,097.6	-6.7	7.0	6.7	0.22	-0.21	-15.93
7,193.0	1.20	5.10	7,192.6	-5.6	7.0	5.6	1.17	1.16	32.11

Survey Report

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Project:	Lea County, NM (NAD-83)	TVD Reference:	RKB @ 3504.0usft (Cactus #124 KB=25')
Site:	Caravan State Unit	MD Reference:	RKB @ 3504.0usft (Cactus #124 KB=25')
Well:	#10H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Houston R5000 Database

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)
7,382.0	1.00	353.40	7,381.6	-2.0	7.0	2.0	0.16	-0.11	-6.19
7,571.0	0.70	308.80	7,570.6	0.4	5.9	-0.3	0.37	-0.16	-23.60
7,761.0	0.60	292.50	7,760.6	1.5	4.1	-1.5	0.11	-0.05	-8.58
7,950.0	0.40	274.50	7,949.6	1.9	2.5	-1.9	0.13	-0.11	-9.52
8,140.0	0.50	253.00	8,139.5	1.7	1.1	-1.7	0.10	0.05	-11.32
8,329.0	0.50	226.80	8,328.5	0.9	-0.3	-0.9	0.12	0.00	-13.86
8,518.0	0.60	219.50	8,517.5	-0.4	-1.5	0.4	0.06	0.05	-3.86
8,613.0	0.30	38.40	8,612.5	-0.6	-1.7	0.6	0.95	-0.32	188.32
8,802.0	1.10	29.60	8,801.5	1.4	-0.5	-1.4	0.43	0.42	-4.66
8,991.0	0.50	24.70	8,990.5	3.7	0.7	-3.7	0.32	-0.32	-2.59
9,181.0	0.50	309.20	9,180.5	5.0	0.4	-5.0	0.32	0.00	-39.74
9,368.0	0.40	241.80	9,367.5	5.2	-0.8	-5.2	0.27	-0.05	-36.04
9,463.0	0.70	334.60	9,462.5	5.6	-1.3	-5.6	0.87	0.32	97.68
9,559.0	1.00	322.20	9,558.5	6.7	-2.1	-6.8	0.36	0.31	-12.92
9,654.0	1.00	327.50	9,653.5	8.1	-3.0	-8.1	0.10	0.00	5.58
9,749.0	1.10	28.20	9,748.4	9.6	-3.0	-9.6	1.12	0.11	63.89
9,844.0	1.20	226.40	9,843.4	9.7	-3.3	-9.7	2.39	0.11	-170.32
9,939.0	1.80	218.60	9,938.4	7.9	-5.0	-7.9	0.67	0.63	-8.21
10,033.0	1.30	183.30	10,032.4	5.7	-6.0	-5.7	1.12	-0.53	-37.55
10,127.0	0.40	78.10	10,126.4	4.7	-5.7	-4.7	1.55	-0.96	-111.91
10,222.0	0.70	59.00	10,221.4	5.0	-4.9	-5.1	0.37	0.32	-20.11
10,317.0	0.70	49.10	10,316.4	5.7	-3.9	-5.7	0.13	0.00	-10.42
10,412.0	0.40	65.70	10,411.3	6.2	-3.2	-6.2	0.35	-0.32	17.47
10,507.0	0.20	7.20	10,506.3	6.5	-2.9	-6.5	0.36	-0.21	-61.58
10,551.0	0.40	269.40	10,550.3	6.6	-3.0	-6.6	1.07	0.45	-222.27
10,607.0	1.40	179.10	10,606.3	5.9	-3.2	-5.9	2.60	1.79	-161.25
10,633.0	4.10	173.70	10,632.3	4.7	-3.1	-4.7	10.42	10.38	-20.77
10,675.0	8.80	174.20	10,674.0	0.0	-2.6	0.0	11.19	11.19	1.19
KOP: 10675.0' MD, 10674.0' TVD									
10,728.0	13.50	173.00	10,726.0	-10.2	-1.4	10.2	8.88	8.87	-2.26
10,776.0	17.90	174.40	10,772.2	-23.1	0.0	23.1	9.20	9.17	2.92
10,823.0	22.80	174.10	10,816.3	-39.4	1.6	39.4	10.43	10.43	-0.64
10,870.0	28.30	176.00	10,858.7	-59.6	3.3	59.6	11.83	11.70	4.04
10,917.0	32.60	177.70	10,899.2	-83.3	4.6	83.4	9.33	9.15	3.62
10,965.0	38.40	179.00	10,938.2	-111.2	5.4	111.2	12.18	12.08	2.71
11,012.0	44.40	179.10	10,973.5	-142.2	5.9	142.3	12.77	12.77	0.21
11,059.0	52.90	180.10	11,004.5	-177.5	6.1	177.5	18.16	18.09	2.13
11,107.0	60.90	181.00	11,030.7	-217.7	5.7	217.7	16.74	16.67	1.88
11,154.0	69.10	181.20	11,050.5	-260.2	4.9	260.3	17.45	17.45	0.43
11,201.0	74.90	181.10	11,065.0	-304.9	4.0	304.9	12.34	12.34	-0.21
11,231.0	78.70	181.10	11,071.9	-334.1	3.4	334.1	12.67	12.67	0.00
Cross 330' Hardline: 11231.0' MD, 11071.9' TVD, 78.70° INC									
11,262.0	82.50	180.80	11,077.0	-364.7	2.9	364.7	12.30	12.26	-0.97
11,294.0	83.90	180.20	11,080.7	-396.4	2.7	396.4	4.75	4.38	-1.88

Survey Report

Company:	Yates Petroleum	Local Co-ordinate Reference:	Well #10H
Project:	Lea County, NM (NAD-83)	TVD Reference:	RKB @ 3504.0usft (Cactus #124 KB=25')
Site:	Caravan State Unit	MD Reference:	RKB @ 3504.0usft (Cactus #124 KB=25')
Well:	#10H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Houston R5000 Database

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)
11,326.0	85.80	179.70	11,083.6	-428.3	2.7	428.3	6.14	5.94	-1.56
11,357.0	88.80	179.30	11,085.1	-459.3	3.0	459.3	9.76	9.68	-1.29
EOC: 11357.0' MD, 11085.1' TVD, 88.80° INC, 179.30° AZ, 459.3' VS									
11,389.0	90.60	179.20	11,085.2	-491.3	3.4	491.3	5.63	5.63	-0.31
11,420.0	90.60	179.20	11,084.9	-522.3	3.8	522.3	0.00	0.00	0.00
11,515.0	90.10	179.50	11,084.3	-617.3	4.9	617.3	0.61	-0.53	0.32
11,608.0	90.60	179.60	11,083.8	-710.2	5.6	710.3	0.55	0.54	0.11
11,702.0	90.40	179.70	11,082.9	-804.2	6.2	804.3	0.24	-0.21	0.11
11,797.0	90.20	180.10	11,082.5	-899.2	6.4	899.3	0.47	-0.21	0.42
11,891.0	90.00	180.20	11,082.3	-993.2	6.1	993.3	0.24	-0.21	0.11
11,986.0	91.10	179.60	11,081.4	-1,088.2	6.3	1,088.2	1.32	1.16	-0.63
12,081.0	91.20	179.90	11,079.5	-1,183.2	6.7	1,183.2	0.33	0.11	0.32
12,177.0	91.10	180.00	11,077.5	-1,279.2	6.8	1,279.2	0.15	-0.10	0.10
12,271.0	91.30	179.90	11,075.6	-1,373.2	6.9	1,373.2	0.24	0.21	-0.11
12,366.0	89.90	179.30	11,074.6	-1,468.2	7.5	1,468.2	1.60	-1.47	-0.63
12,461.0	90.00	179.30	11,074.7	-1,563.2	8.7	1,563.2	0.11	0.11	0.00
12,555.0	89.80	179.30	11,074.8	-1,657.1	9.8	1,657.2	0.21	-0.21	0.00
12,650.0	89.80	179.30	11,075.2	-1,752.1	11.0	1,752.2	0.00	0.00	0.00
12,744.0	89.60	179.30	11,075.6	-1,846.1	12.1	1,846.2	0.21	-0.21	0.00
12,839.0	90.40	179.30	11,075.6	-1,941.1	13.3	1,941.2	0.84	0.84	0.00
12,933.0	90.50	179.20	11,074.9	-2,035.1	14.5	2,035.2	0.15	0.11	-0.11
13,029.0	90.40	179.30	11,074.2	-2,131.1	15.8	2,131.2	0.15	-0.10	0.10
13,123.0	90.20	179.10	11,073.7	-2,225.1	17.1	2,225.2	0.30	-0.21	-0.21
13,218.0	90.00	178.90	11,073.5	-2,320.1	18.8	2,320.2	0.30	-0.21	-0.21
13,312.0	89.80	178.90	11,073.7	-2,414.1	20.6	2,414.1	0.21	-0.21	0.00
13,407.0	91.00	179.20	11,073.0	-2,509.0	22.1	2,509.1	1.30	1.26	0.32
13,502.0	91.10	179.40	11,071.3	-2,604.0	23.3	2,604.1	0.24	0.11	0.21
13,596.0	91.50	179.10	11,069.1	-2,698.0	24.5	2,698.1	0.53	0.43	-0.32
13,691.0	90.70	180.00	11,067.3	-2,793.0	25.3	2,793.1	1.27	-0.84	0.95
13,785.0	90.60	180.30	11,066.2	-2,887.0	25.0	2,887.1	0.34	-0.11	0.32
13,880.0	90.40	180.70	11,065.4	-2,981.9	24.2	2,982.0	0.47	-0.21	0.42
13,975.0	90.20	181.10	11,064.9	-3,076.9	22.7	3,077.0	0.47	-0.21	0.42
14,070.0	89.80	180.50	11,064.9	-3,171.9	21.4	3,172.0	0.76	-0.42	-0.63
14,164.0	90.20	180.00	11,064.9	-3,265.9	21.0	3,266.0	0.68	0.43	-0.53
14,259.0	90.20	179.80	11,064.6	-3,360.9	21.1	3,361.0	0.21	0.00	-0.21
14,354.0	90.10	179.60	11,064.3	-3,455.9	21.6	3,456.0	0.24	-0.11	-0.21
14,449.0	89.80	179.30	11,064.4	-3,550.9	22.5	3,551.0	0.45	-0.32	-0.32
14,544.0	89.60	179.30	11,064.9	-3,645.9	23.7	3,646.0	0.21	-0.21	0.00
14,639.0	89.50	178.70	11,065.7	-3,740.9	25.4	3,741.0	0.64	-0.11	-0.63
14,733.0	90.90	179.20	11,065.3	-3,834.9	27.1	3,835.0	1.58	1.49	0.53
14,827.0	90.30	179.20	11,064.3	-3,928.9	28.4	3,929.0	0.64	-0.64	0.00
14,922.0	90.90	179.80	11,063.3	-4,023.8	29.2	4,024.0	0.89	0.63	0.63
15,017.0	90.90	179.80	11,061.9	-4,118.8	29.6	4,118.9	0.00	0.00	0.00

Survey Report

Company:	Yates Petroleum	Local Co-ordinate Reference:	Well #10H
Project:	Lea County, NM (NAD-83)	TVD Reference:	RKB @ 3504.0usft (Cactus #124 KB=25')
Site:	Caravan State Unit	MD Reference:	RKB @ 3504.0usft (Cactus #124 KB=25')
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Design:	OH	Database:	Houston R5000 Database

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)
15,112.0	90.70	179.80	11,060.5	-4,213.8	29.9	4,213.9	0.21	-0.21	0.00
15,207.0	91.00	180.90	11,059.1	-4,308.8	29.3	4,308.9	1.20	0.32	1.16
15,302.0	90.20	179.80	11,058.1	-4,403.8	28.7	4,403.9	1.43	-0.84	-1.16
15,397.0	89.50	179.60	11,058.4	-4,498.8	29.2	4,498.9	0.77	-0.74	-0.21
15,491.0	89.90	178.90	11,058.9	-4,592.8	30.5	4,592.9	0.86	0.43	-0.74
15,586.0	90.70	179.10	11,058.4	-4,687.8	32.1	4,687.9	0.87	0.84	0.21
15,681.0	90.30	179.50	11,057.5	-4,782.8	33.3	4,782.9	0.60	-0.42	0.42
15,775.0	89.80	179.30	11,057.5	-4,876.8	34.3	4,876.9	0.57	-0.53	-0.21
15,810.8	89.51	179.66	11,057.7	-4,912.6	34.6	4,912.7	1.28	-0.80	1.00
Cross 330' Hardline: 11057.0' MD, 11003.3' TVD, 52.54° INC									
15,825.0	89.40	179.80	11,057.8	-4,926.8	34.7	4,926.9	1.28	-0.80	1.00
Final MWD Survey: 15825.0' MD, 11057.8' TVD, -4926.8' +N/-S, 34.7' +E/-W									
15,890.0	89.40	179.80	11,058.5	-4,991.8	34.9	4,991.9	0.00	0.00	0.00
TD: 15890.0' MD, 11058.5' TVD - BHL: 15890.0' MD, 11058.5' TVD, 89.40° INC, 179.80° AZ, -4991.8' +N/-S, 34.9' +E/-W, 4991.9' VS									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,675.0	10,674.0	0.0	-2.6	KOP: 10675.0' MD, 10674.0' TVD
11,231.0	11,071.9	-334.1	3.4	Cross 330' Hardline: 11231.0' MD, 11071.9' TVD, 78.70° INC
11,357.0	11,085.1	-459.3	3.0	EOC: 11357.0' MD, 11085.1' TVD, 88.80° INC, 179.30° AZ, 459.3' VS
15,810.8	11,057.7	-4,912.6	34.6	Cross 330' Hardline: 11057.0' MD, 11003.3' TVD, 52.54° INC
15,825.0	11,057.8	-4,926.8	34.7	Final MWD Survey: 15825.0' MD, 11057.8' TVD, -4926.8' +N/-S, 34.7' +E/-W
15,890.0	11,058.5	-4,991.8	34.9	TD: 15890.0' MD, 11058.5' TVD
15,890.0	11,058.5	-4,991.8	34.9	BHL: 15890.0' MD, 11058.5' TVD, 89.40° INC, 179.80° AZ, -4991.8' +N/-S, 34.9

Checked By: _____ Approved By: _____ Date: _____



Yates Petroleum
Project: Lea County, NM (NAD-83)
Site: Caravan State Unit
Well: #10H
Wellbore: OH
Plan: Plan #2 (#10H/OH)

WELL DETAILS: #10H

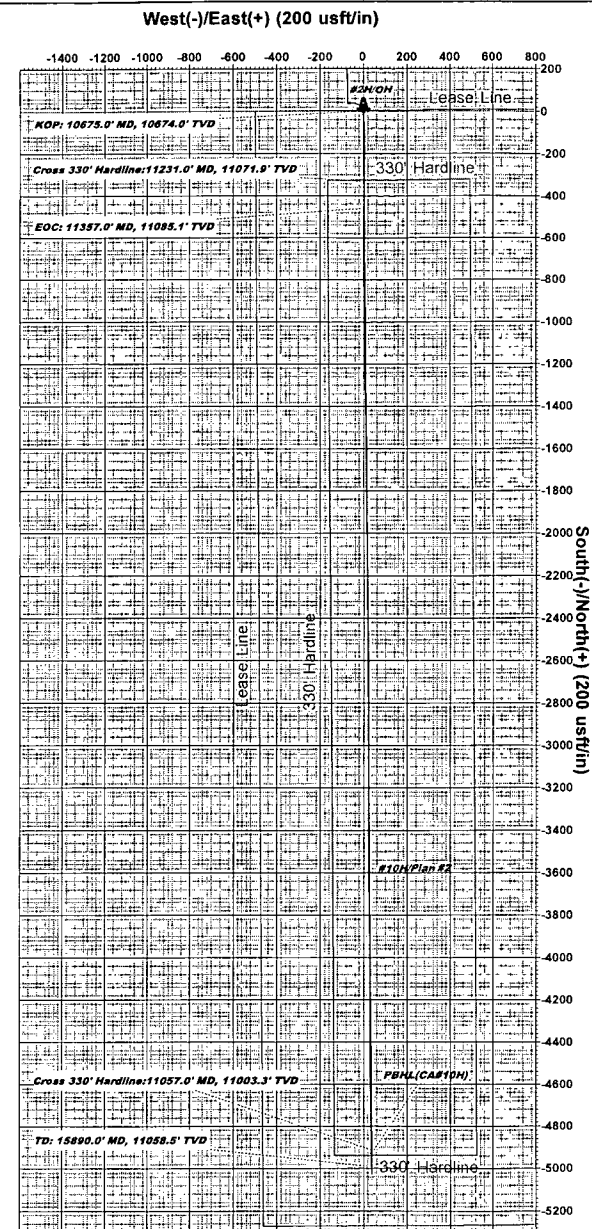
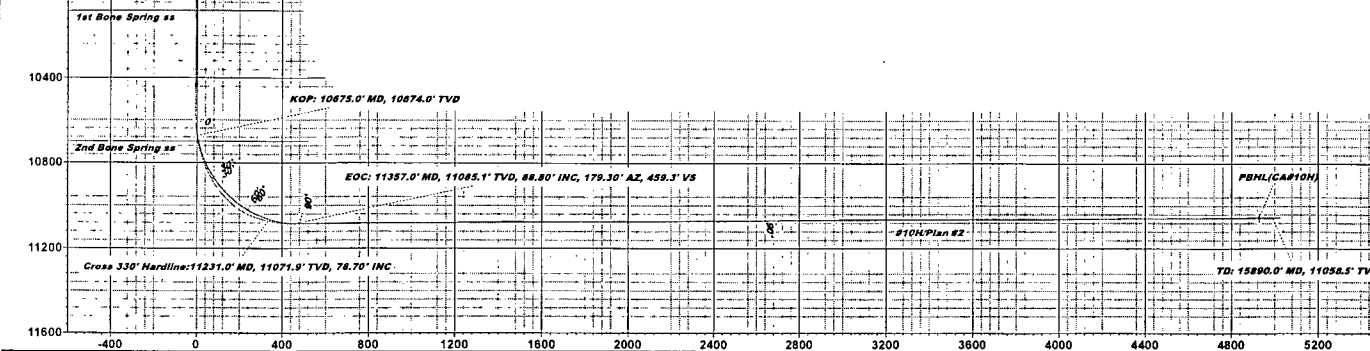
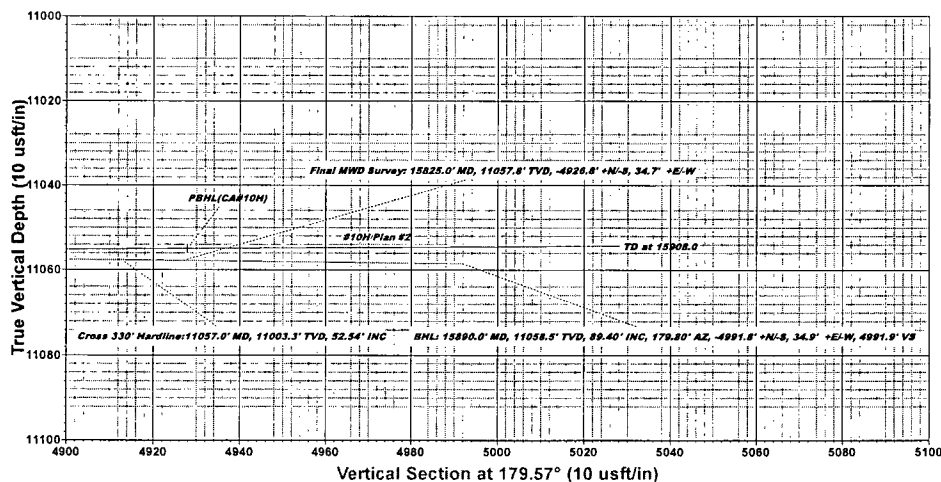
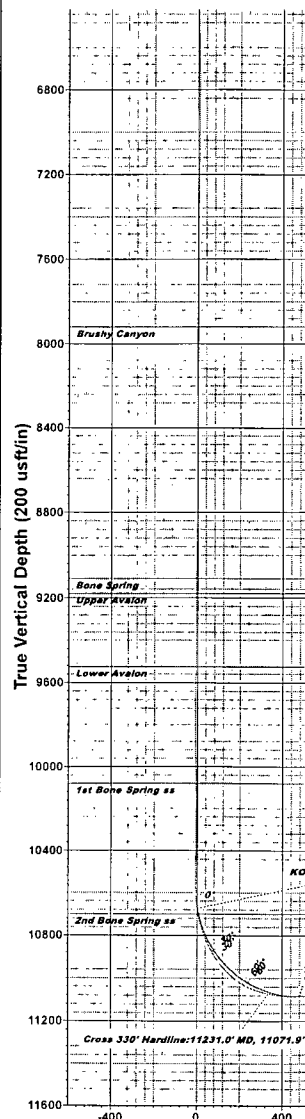
Ground Elevation:: 3479.0
RKB Elevation: RKB @ 3504.0usft (Cactus #124 KB=25')
Rig Name: Cactus #124 KB=25'

Surface Hole Location
Northing 430532.50 Easting 775754.00 Latitude 32° 10' 52.832 N Longitude 103° 34' 32.291 W
Section Details



Azimuths to Grid North
True North: -0.40°
Magnetic North: 6.79°
Magnetic Field
Strength: 48270.1snT
Dip Angle: 60.07°
Date: 8/25/2014
Model: IGRF2010

	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2	10607.5	0.00	0.00	10607.5	0.0	0.0	0.00	0.00	0.0
3	11360.7	90.39	179.57	11085.0	-480.7	3.6	12.00	179.57	480.7
4	15808.0	90.39	179.57	11055.0	-4927.7	36.6	0.00	0.00	4927.8
5	15908.0	90.39	179.57	11054.3	-5027.7	37.3	0.00	0.00	5027.8



PROJECT DETAILS: Lea County, NM (NAD-83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level
Local North: Grid



Crescent Directional Drilling
7715 West Industrial Ave. Midland, Tx 79706
Phone: 432-618-1135

Plan: Plan #2 (#10H/OH)
Created By: Adrian Castro Date: 1:17, August 25 2014