

Mewbourne Oil Company

Location: Eddy County, NM
Field: (Colt) Sec 5, T20S, R29E
Facility: Colt 5 Fed No. 3H

Slot: No. 3H SHL
Well: No. 3H
Wellbore: No. 3H PWB

30-015-38064

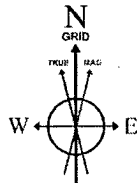
Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	7706.00	35.700	5.800	7679.84	153.39	-49.46	0.00	146.19
LANDING POINT	8273.12	90.001	7.947	7929.07	635.52	11.07	9.58	632.11
No. 1H PBHL	12401.61	90.001	7.947	7929.00	4724.37	581.84	0.00	4760.06

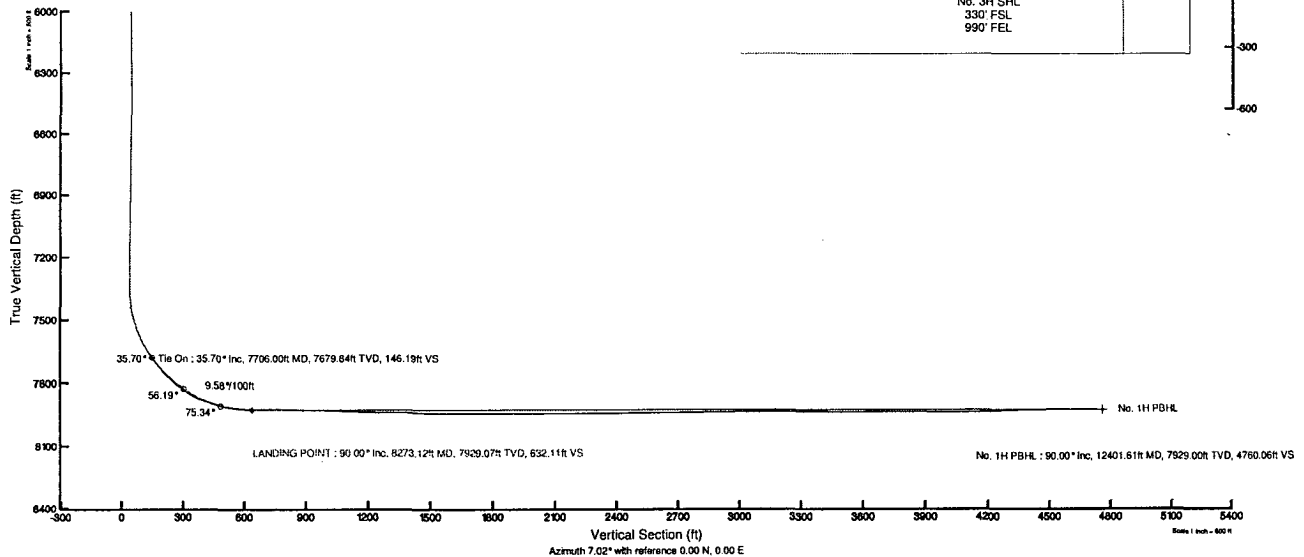
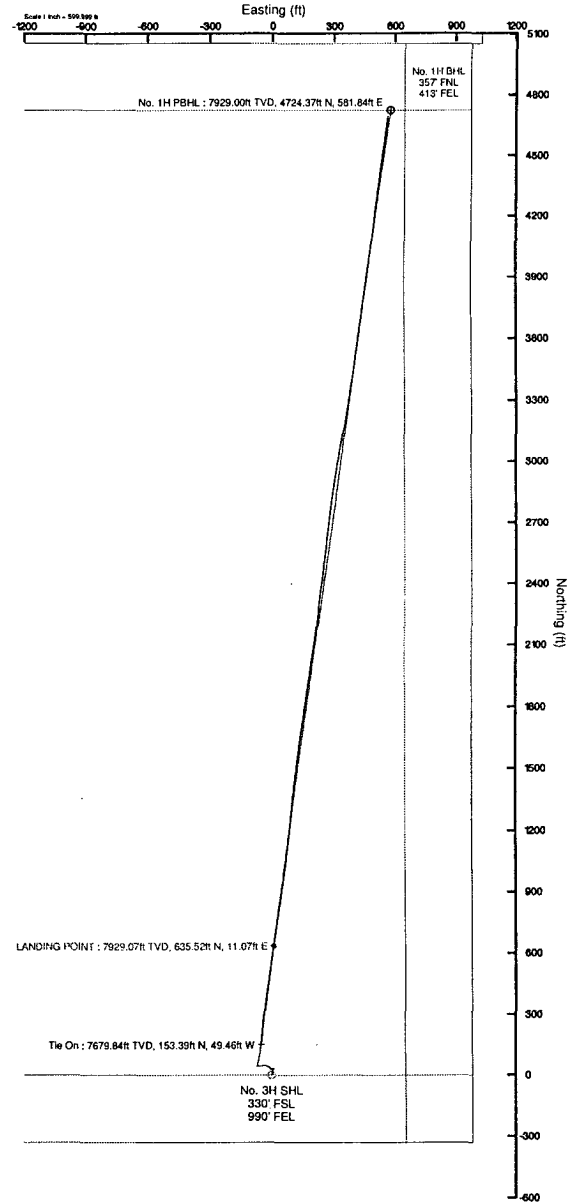
Mewbourne Oil Company

Plot reference trajectory as Plan #4	Grid System: NAD83 / T.M. New Mexico State Plane, Eastern Zone (8001), US feet
True vertical depth and azimuth are referenced to Rig on No. 3H SHL (N8)	North Reference: Grid north
Measured depth are referenced to Rig on No. 3H SHL (N8)	Scale: True distance
Rig on No. 3H SHL (N8) to Mean Sea Level: 3228 feet	Depth are in feet
Mean Sea Level to Mast line (Facility, Colt 5 Fed No. 3H): 3291 feet	Created by: Victor Hernandez on 9/27/2010
Coordinates are in feet referenced to Spot	

**BAKER
HUGHES**



BGGM (1945.0 to 2011.0) Dip: 60.48° Field: 48959.4 nT
Magnetic North is 8.04 degrees East of True North (at 4/19/2010)
Grid North is 0.13 degrees East of True North
To correct azimuth from True to Grid subtract 0.13 degrees
To correct azimuth from Magnetic to Grid add 7.91 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.91 = 97.91



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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWB
Facility	Colt 5 Fed No. 3H		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect® 2.0
North Reference	Grid	User	Victor Hernandez
Scale	0.999915	Report Generated	9/27/2010 at 10:54:17 AM
Convergence at slot	0.13° East	Database/Source file	WA_Midland/No. 3H_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	574535.81	580637.34	32°35'45.759"N	104°05'28.726"W
Facility Reference Pt			574535.81	580637.34	32°35'45.759"N	104°05'28.726"W
Field Reference Pt			574535.81	580637.34	32°35'45.759"N	104°05'28.726"W

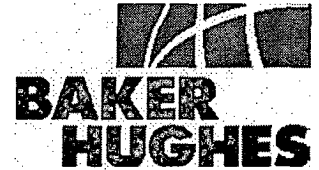
WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No. 3H SHL (KB) to GL	18.00ft
Horizontal Reference Pt	Slot	Rig on No. 3H SHL (KB) to Mean Sea Level	3309.00ft
Vertical Reference Pt	Rig on No. 3H SHL (KB)	GL to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 3H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	7.02°

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Facility	Colt 5 Fed No. 3H		

WELLPATH DATA (233 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
0.00	0.000	331.620	0.00	0.00	0.00	0.00	574535.81	580637.34	32°35'45.759"N	104°05'28.726"W	0.00
100.00	0.170	331.620	100.00	0.12	0.13	-0.07	574535.74	580637.47	32°35'45.761"N	104°05'28.727"W	0.17
200.00	0.030	275.110	200.00	0.24	0.26	-0.17	574535.64	580637.60	32°35'45.762"N	104°05'28.728"W	0.16
300.00	0.010	266.790	300.00	0.24	0.27	-0.20	574535.61	580637.61	32°35'45.762"N	104°05'28.728"W	0.02
400.00	0.050	294.940	400.00	0.25	0.28	-0.25	574535.56	580637.62	32°35'45.762"N	104°05'28.729"W	0.04
500.00	0.190	27.250	500.00	0.42	0.45	-0.21	574535.60	580637.79	32°35'45.764"N	104°05'28.728"W	0.20
600.00	0.410	47.480	600.00	0.85	0.84	0.13	574535.93	580638.18	32°35'45.768"N	104°05'28.724"W	0.24
700.00	0.790	63.770	699.99	1.50	1.38	1.01	574536.82	580638.73	32°35'45.773"N	104°05'28.714"W	0.41
800.00	1.010	69.620	799.98	2.28	2.00	2.45	574538.26	580639.34	32°35'45.779"N	104°05'28.697"W	0.24
900.00	1.010	60.660	899.96	3.21	2.74	4.05	574539.86	580640.08	32°35'45.786"N	104°05'28.679"W	0.16
1000.00	0.790	37.090	999.95	4.33	3.72	5.23	574541.04	580641.06	32°35'45.796"N	104°05'28.665"W	0.43
1100.00	0.800	7.880	1099.94	5.62	4.96	5.74	574541.55	580642.30	32°35'45.808"N	104°05'28.659"W	0.40
1200.00	0.810	357.530	1199.93	7.02	6.36	5.81	574541.62	580643.70	32°35'45.822"N	104°05'28.658"W	0.15
1300.00	0.980	342.690	1299.92	8.49	7.88	5.52	574541.33	580645.22	32°35'45.837"N	104°05'28.661"W	0.29
1400.00	0.980	339.290	1399.91	10.03	9.49	4.97	574540.77	580646.84	32°35'45.853"N	104°05'28.668"W	0.06
1500.00	0.860	336.740	1499.89	11.44	10.98	4.37	574540.18	580648.32	32°35'45.868"N	104°05'28.675"W	0.13
1600.00	0.460	353.480	1599.89	12.47	12.07	4.03	574539.83	580649.41	32°35'45.879"N	104°05'28.679"W	0.44
1700.00	0.790	359.590	1699.88	13.55	13.16	3.97	574539.78	580650.50	32°35'45.890"N	104°05'28.679"W	0.34
1800.00	0.850	356.480	1799.87	14.96	14.59	3.92	574539.73	580651.93	32°35'45.904"N	104°05'28.680"W	0.07
1900.00	0.920	353.900	1899.86	16.47	16.13	3.79	574539.60	580653.47	32°35'45.919"N	104°05'28.681"W	0.08
2000.00	0.820	9.030	1999.85	17.97	17.63	3.82	574539.63	580654.97	32°35'45.934"N	104°05'28.681"W	0.25
2100.00	0.970	15.680	2099.84	19.52	19.16	4.16	574539.97	580656.50	32°35'45.949"N	104°05'28.677"W	0.18
2200.00	0.820	23.470	2199.82	21.04	20.63	4.68	574540.48	580657.97	32°35'45.963"N	104°05'28.671"W	0.19
2300.00	0.680	23.370	2299.81	22.30	21.83	5.20	574541.00	580659.17	32°35'45.975"N	104°05'28.665"W	0.14
2400.00	0.610	33.330	2399.81	23.35	22.82	5.72	574541.53	580660.16	32°35'45.985"N	104°05'28.658"W	0.13
2500.00	0.570	35.200	2499.80	24.26	23.67	6.30	574542.11	580661.01	32°35'45.993"N	104°05'28.652"W	0.04
2600.00	0.580	35.370	2599.80	25.15	24.49	6.88	574542.69	580661.83	32°35'46.002"N	104°05'28.645"W	0.01
2700.00	0.550	43.450	2699.79	25.98	25.25	7.51	574543.31	580662.59	32°35'46.009"N	104°05'28.638"W	0.09
2800.00	0.710	43.640	2799.79	26.86	26.05	8.26	574544.07	580663.38	32°35'46.017"N	104°05'28.629"W	0.16
2900.00	0.750	43.920	2899.78	27.88	26.97	9.14	574544.95	580664.30	32°35'46.026"N	104°05'28.618"W	0.04

Actual Wellpath Report

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Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWB
Facility	Colt 5 Fed No. 3H		

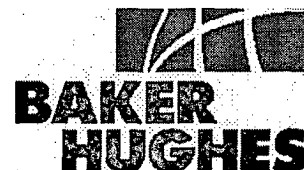
WELLPATH DATA (233 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
3000.00	0.800	40.440	2999.77	28.99	27.97	10.05	574545.86	580665.31	32°35'46.036"N	104°05'28.608"W	0.07
3100.00	0.670	41.620	3099.76	30.05	28.94	10.89	574546.70	580666.28	32°35'46.045"N	104°05'28.598"W	0.13
3200.00	0.600	35.420	3199.76	30.99	29.80	11.58	574547.39	580667.14	32°35'46.054"N	104°05'28.590"W	0.10
3300.00	0.300	39.790	3299.75	31.67	30.43	12.06	574547.86	580667.77	32°35'46.060"N	104°05'28.584"W	0.30
3400.00	0.150	57.920	3399.75	31.98	30.70	12.33	574548.14	580668.04	32°35'46.063"N	104°05'28.581"W	0.16
3500.00	0.020	288.780	3499.75	32.06	30.77	12.43	574548.24	580668.11	32°35'46.064"N	104°05'28.580"W	0.16
3600.00	0.110	321.460	3599.75	32.13	30.86	12.35	574548.16	580668.19	32°35'46.064"N	104°05'28.581"W	0.09
3700.00	0.170	287.140	3699.75	32.23	30.97	12.15	574547.96	580668.31	32°35'46.066"N	104°05'28.583"W	0.10
3800.00	0.210	278.790	3799.75	32.26	31.05	11.83	574547.64	580668.38	32°35'46.066"N	104°05'28.587"W	0.05
3900.00	0.260	247.230	3899.75	32.15	30.99	11.44	574547.25	580668.32	32°35'46.066"N	104°05'28.591"W	0.14
4000.00	0.280	259.040	3999.75	31.96	30.85	10.99	574546.80	580668.19	32°35'46.064"N	104°05'28.597"W	0.06
4100.00	0.290	262.600	4099.75	31.82	30.77	10.50	574546.31	580668.11	32°35'46.064"N	104°05'28.602"W	0.02
4200.00	0.530	265.670	4199.74	31.67	30.70	9.79	574545.59	580668.04	32°35'46.063"N	104°05'28.611"W	0.24
4300.00	0.520	260.490	4299.74	31.45	30.60	8.88	574544.68	580667.93	32°35'46.062"N	104°05'28.621"W	0.05
4400.00	0.640	268.080	4399.74	31.23	30.50	7.87	574543.68	580667.84	32°35'46.061"N	104°05'28.633"W	0.14
4500.00	0.740	253.940	4499.73	30.89	30.30	6.69	574542.50	580667.64	32°35'46.059"N	104°05'28.647"W	0.20
4600.00	0.790	254.770	4599.72	30.38	29.94	5.41	574541.21	580667.28	32°35'46.056"N	104°05'28.662"W	0.05
4700.00	0.890	255.600	4699.71	29.84	29.57	3.99	574539.80	580666.91	32°35'46.052"N	104°05'28.679"W	0.10
4800.00	0.880	256.570	4799.70	29.28	29.20	2.49	574538.30	580666.54	32°35'46.048"N	104°05'28.696"W	0.02
4900.00	0.830	262.290	4899.69	28.83	28.92	-1.02	574536.83	580666.26	32°35'46.046"N	104°05'28.713"W	0.10
5000.00	0.770	278.240	4999.68	28.66	28.92	-0.36	574535.45	580666.26	32°35'46.046"N	104°05'28.729"W	0.23
5100.00	0.730	283.030	5099.67	28.74	29.16	-1.64	574534.17	580666.50	32°35'46.048"N	104°05'28.744"W	0.07
5200.00	0.780	300.140	5199.66	29.08	29.65	-2.85	574532.96	580666.99	32°35'46.053"N	104°05'28.758"W	0.23
5300.00	0.900	311.400	5299.65	29.79	30.51	-4.03	574531.78	580667.85	32°35'46.061"N	104°05'28.772"W	0.20
5400.00	0.920	311.990	5399.64	30.69	31.57	-5.22	574530.59	580668.90	32°35'46.072"N	104°05'28.786"W	0.02
5500.00	0.980	317.480	5499.62	31.71	32.73	-6.39	574529.42	580670.07	32°35'46.083"N	104°05'28.800"W	0.11
5600.00	1.000	321.880	5599.61	32.88	34.05	-7.51	574528.30	580671.39	32°35'46.096"N	104°05'28.813"W	0.08
5700.00	1.090	329.360	5699.59	34.24	35.55	-8.53	574527.28	580672.89	32°35'46.111"N	104°05'28.825"W	0.16
5800.00	1.170	327.860	5799.57	35.79	37.24	-9.56	574526.25	580674.57	32°35'46.128"N	104°05'28.837"W	0.09
5900.00	1.500	310.070	5899.54	37.29	38.94	-11.10	574524.71	580676.28	32°35'46.145"N	104°05'28.855"W	0.53

Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWP
Facility	Colt 5 Fed No. 3H		

WELLPATH DATA (233 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
6000.00	1.790	302.000	5999.50	38.67	40.61	-13.43	574522.38	580677.95	32°35'46.162"N	104°05'28.882"W	0.37
6100.00	2.210	295.720	6099.44	39.95	42.28	-16.49	574519.32	580679.62	32°35'46.178"N	104°05'28.918"W	0.47
6200.00	2.370	290.870	6199.36	41.06	43.85	-20.16	574515.65	580681.19	32°35'46.194"N	104°05'28.960"W	0.25
6300.00	2.440	287.570	6299.27	41.94	45.23	-24.12	574511.69	580682.57	32°35'46.207"N	104°05'29.007"W	0.16
6400.00	2.500	284.900	6399.18	42.63	46.43	-28.26	574507.55	580683.77	32°35'46.219"N	104°05'29.055"W	0.13
6500.00	2.710	276.320	6499.08	42.90	47.26	-32.72	574503.10	580684.59	32°35'46.228"N	104°05'29.107"W	0.44
6600.00	2.500	264.990	6598.98	42.42	47.33	-37.24	574498.57	580684.66	32°35'46.229"N	104°05'29.160"W	0.55
6700.00	2.480	260.980	6698.88	41.37	46.80	-41.55	574494.26	580684.13	32°35'46.223"N	104°05'29.210"W	0.18
6800.00	2.400	258.410	6798.79	40.10	46.04	-45.74	574490.08	580683.37	32°35'46.216"N	104°05'29.259"W	0.14
6900.00	2.520	259.390	6898.70	38.77	45.21	-49.95	574485.87	580682.55	32°35'46.208"N	104°05'29.309"W	0.13
7000.00	2.400	257.220	6998.61	37.39	44.34	-54.15	574481.66	580681.68	32°35'46.199"N	104°05'29.358"W	0.15
7100.00	2.350	255.670	7098.52	35.94	43.37	-58.18	574477.64	580680.71	32°35'46.190"N	104°05'29.405"W	0.08
7171.00	2.020	258.370	7169.47	35.00	42.76	-60.81	574475.00	580680.10	32°35'46.184"N	104°05'29.436"W	0.49
7296.00	2.400	281.800	7294.38	34.52	42.85	-65.53	574470.28	580680.19	32°35'46.185"N	104°05'29.491"W	0.78
7325.00	2.400	244.300	7323.35	34.24	42.71	-66.68	574469.14	580680.05	32°35'46.184"N	104°05'29.504"W	5.32
7356.00	1.800	301.200	7354.34	34.09	42.68	-67.68	574468.14	580680.02	32°35'46.183"N	104°05'29.516"W	6.67
7388.00	3.300	359.300	7386.31	35.21	43.86	-68.12	574467.70	580681.20	32°35'46.195"N	104°05'29.521"W	8.76
7420.00	6.700	10.300	7418.18	37.99	46.62	-67.80	574468.02	580683.96	32°35'46.222"N	104°05'29.517"W	10.99
7452.00	12.000	11.300	7449.75	43.17	51.72	-66.81	574469.01	580689.06	32°35'46.273"N	104°05'29.505"W	16.57
7484.00	16.500	11.700	7480.75	51.02	59.44	-65.24	574470.58	580696.78	32°35'46.349"N	104°05'29.487"W	14.07
7516.00	18.000	12.700	7511.31	60.47	68.71	-63.23	574472.59	580706.05	32°35'46.441"N	104°05'29.463"W	4.78
7547.00	19.500	12.900	7540.67	70.38	78.43	-61.02	574474.80	580715.76	32°35'46.537"N	104°05'29.437"W	4.84
7579.00	25.100	10.500	7570.26	82.48	90.32	-58.59	574477.23	580727.65	32°35'46.654"N	104°05'29.408"W	17.73
7611.00	26.500	9.600	7599.07	96.39	104.03	-56.16	574479.65	580741.37	32°35'46.790"N	104°05'29.380"W	4.54
7643.00	30.500	8.500	7627.19	111.64	119.11	-53.77	574482.05	580756.44	32°35'46.939"N	104°05'29.351"W	12.61
7674.00	33.400	7.300	7653.49	128.04	135.36	-51.52	574484.29	580772.69	32°35'47.100"N	104°05'29.325"W	9.58
7706.00	35.700	5.800	7679.84	146.19	153.39	-49.46	574486.36	580790.71	32°35'47.278"N	104°05'29.300"W	7.66
7738.00	37.800	5.600	7705.48	165.33	172.44	-47.56	574488.26	580809.76	32°35'47.467"N	104°05'29.277"W	6.57
7770.00	40.400	5.800	7730.31	185.50	192.52	-45.55	574490.26	580829.84	32°35'47.665"N	104°05'29.253"W	8.13
7801.00	43.100	6.200	7753.44	206.14	213.04	-43.39	574492.42	580850.37	32°35'47.868"N	104°05'29.227"W	8.75

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWP
Facility	Colt 5 Fed No. 3H		

WELLPATH DATA (233 stations)											
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
7833.00	46.100	6.100	7776.22	228.61	235.38	-40.99	574494.83	580872.70	32°35'48.089"N	104°05'29.199"W	9.38
7865.00	49.200	6.000	7797.78	252.25	258.90	-38.49	574497.32	580896.21	32°35'48.322"N	104°05'29.169"W	9.69
7897.00	52.500	5.900	7817.98	277.06	283.57	-35.92	574499.89	580920.89	32°35'48.566"N	104°05'29.138"W	10.32
7929.00	55.800	5.900	7836.72	302.99	309.37	-33.26	574502.56	580946.68	32°35'48.821"N	104°05'29.106"W	10.31
7960.00	59.900	6.400	7853.21	329.22	335.46	-30.44	574505.37	580972.77	32°35'49.079"N	104°05'29.073"W	13.30
7992.00	65.300	7.100	7867.93	357.62	363.66	-27.10	574508.71	581000.97	32°35'49.358"N	104°05'29.033"W	16.99
8024.00	69.700	8.000	7880.17	387.18	392.96	-23.21	574512.60	581030.27	32°35'49.648"N	104°05'28.987"W	13.99
8056.00	72.200	8.400	7890.62	417.42	422.90	-18.90	574516.91	581060.20	32°35'49.944"N	104°05'28.936"W	7.90
8088.00	74.500	8.100	7899.79	448.07	453.24	-14.50	574521.31	581090.54	32°35'50.244"N	104°05'28.883"W	7.24
8119.00	77.100	7.900	7907.39	478.11	482.99	-10.32	574525.49	581120.29	32°35'50.539"N	104°05'28.834"W	8.41
8151.00	79.700	8.400	7913.82	509.45	514.02	-5.87	574529.93	581151.32	32°35'50.846"N	104°05'28.781"W	8.27
8183.00	82.000	8.400	7918.91	541.03	545.27	-1.26	574534.55	581182.57	32°35'51.155"N	104°05'28.726"W	7.19
8214.00	84.500	8.400	7922.55	571.80	575.73	3.24	574539.05	581213.02	32°35'51.456"N	104°05'28.673"W	8.06
8246.00	87.100	8.400	7924.90	603.71	607.29	7.90	574543.71	581244.58	32°35'51.768"N	104°05'28.617"W	8.12
8261.00	88.000	8.300	7925.54	618.69	622.12	10.07	574545.88	581259.41	32°35'51.915"N	104°05'28.592"W	6.04
8318.00	90.400	8.300	7926.34	675.66	678.52	18.30	574554.11	581315.80	32°35'52.473"N	104°05'28.494"W	4.21
8350.00	90.700	8.600	7926.03	707.65	710.17	23.00	574558.81	581347.45	32°35'52.786"N	104°05'28.438"W	1.33
8382.00	90.100	8.400	7925.80	739.64	741.81	27.73	574563.54	581379.09	32°35'53.099"N	104°05'28.382"W	1.98
8414.00	88.700	8.700	7926.14	771.63	773.46	32.49	574568.30	581410.73	32°35'53.412"N	104°05'28.326"W	4.47
8445.00	88.500	8.700	7926.90	802.60	804.09	37.18	574572.98	581441.36	32°35'53.715"N	104°05'28.270"W	0.65
8477.00	88.700	8.500	7927.68	834.58	835.72	41.96	574577.77	581472.99	32°35'54.028"N	104°05'28.213"W	0.88
8509.00	88.700	8.300	7928.41	866.57	867.37	46.64	574582.44	581504.63	32°35'54.341"N	104°05'28.158"W	0.62
8541.00	88.700	8.600	7929.13	898.55	899.01	51.34	574587.14	581536.28	32°35'54.654"N	104°05'28.102"W	0.94
8573.00	89.000	8.400	7929.77	930.53	930.66	56.07	574591.87	581567.92	32°35'54.967"N	104°05'28.046"W	1.13
8605.00	89.200	8.900	7930.28	962.51	962.29	60.88	574596.68	581599.55	32°35'55.280"N	104°05'27.989"W	1.68
8636.00	87.800	7.400	7931.09	993.49	992.96	65.27	574601.07	581630.22	32°35'55.583"N	104°05'27.937"W	6.62
8668.00	87.900	7.200	7932.29	1025.47	1024.68	69.33	574605.14	581661.93	32°35'55.897"N	104°05'27.888"W	0.70
8700.00	87.800	7.000	7933.49	1057.45	1056.41	73.29	574609.09	581693.66	32°35'56.211"N	104°05'27.841"W	0.70
8732.00	87.900	6.800	7934.69	1089.43	1088.16	77.13	574612.93	581725.41	32°35'56.525"N	104°05'27.795"W	0.70
8763.00	88.200	7.000	7935.74	1120.41	1118.92	80.85	574616.65	581756.16	32°35'56.829"N	104°05'27.751"W	1.16

Actual Wellpath Report

No. 3H AWP

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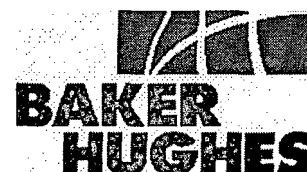
REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWB
Facility	Colt 5 Fed No. 3H		

WELLPATH DATA (233 stations)											
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
8796.00	88.400	6.400	7936.72	1153.39	1151.68	84.70	574620.50	581788.92	32°35'57.153"N	104°05'27.705"W	1.92
8827.00	88.500	6.300	7937.56	1184.38	1182.47	88.13	574623.93	581819.71	32°35'57.458"N	104°05'27.664"W	0.46
8859.00	88.500	5.900	7938.40	1216.36	1214.28	91.53	574627.33	581851.52	32°35'57.772"N	104°05'27.624"W	1.25
8891.00	88.600	6.000	7939.21	1248.35	1246.10	94.84	574630.64	581883.33	32°35'58.087"N	104°05'27.584"W	0.44
8923.00	89.000	5.900	7939.88	1280.34	1277.92	98.16	574633.96	581915.15	32°35'58.402"N	104°05'27.545"W	1.29
8955.00	89.700	5.900	7940.24	1312.33	1309.75	101.45	574637.25	581946.98	32°35'58.717"N	104°05'27.505"W	2.19
8987.00	89.900	5.900	7940.35	1344.32	1341.58	104.74	574640.54	581978.80	32°35'59.032"N	104°05'27.466"W	0.62
9018.00	89.300	6.000	7940.57	1375.32	1372.41	107.95	574643.75	582009.63	32°35'59.337"N	104°05'27.428"W	1.96
9050.00	87.800	6.900	7941.38	1407.30	1404.20	111.54	574647.34	582041.42	32°35'59.651"N	104°05'27.385"W	5.47
9081.00	87.800	7.700	7942.57	1438.28	1434.92	115.48	574651.28	582072.14	32°35'59.955"N	104°05'27.338"W	2.58
9113.00	87.800	7.600	7943.80	1470.25	1466.61	119.74	574655.53	582103.83	32°36'00.269"N	104°05'27.287"W	0.31
9145.00	88.700	7.300	7944.78	1502.24	1498.33	123.88	574659.68	582135.54	32°36'00.582"N	104°05'27.238"W	2.96
9177.00	89.300	6.500	7945.33	1534.23	1530.09	127.73	574663.52	582167.30	32°36'00.897"N	104°05'27.192"W	3.12
9209.00	89.400	7.300	7945.70	1566.23	1561.86	131.57	574667.37	582199.06	32°36'01.211"N	104°05'27.146"W	2.52
9241.00	89.400	7.100	7946.03	1598.23	1593.60	135.58	574671.38	582230.81	32°36'01.525"N	104°05'27.099"W	0.62
9272.00	89.800	7.600	7946.25	1629.23	1624.35	139.55	574675.34	582261.55	32°36'01.829"N	104°05'27.052"W	2.07
9304.00	90.100	8.500	7946.28	1661.22	1656.03	144.03	574679.82	582293.23	32°36'02.142"N	104°05'26.998"W	2.96
9336.00	90.400	8.900	7946.14	1693.21	1687.66	148.87	574684.66	582324.86	32°36'02.455"N	104°05'26.941"W	1.56
9368.00	90.500	8.800	7945.89	1725.19	1719.28	153.79	574689.59	582356.47	32°36'02.768"N	104°05'26.883"W	0.44
9399.00	90.200	8.300	7945.70	1756.18	1749.94	158.40	574694.20	582387.13	32°36'03.071"N	104°05'26.828"W	1.88
9431.00	90.300	8.200	7945.56	1788.17	1781.61	162.99	574698.79	582418.79	32°36'03.384"N	104°05'26.773"W	0.44
9463.00	90.500	7.600	7945.33	1820.16	1813.30	167.39	574703.18	582450.49	32°36'03.698"N	104°05'26.721"W	1.98
9494.00	89.500	8.000	7945.33	1851.16	1844.01	171.60	574707.39	582481.20	32°36'04.002"N	104°05'26.671"W	3.47
9526.00	89.400	8.400	7945.64	1883.15	1875.69	176.16	574711.95	582512.86	32°36'04.315"N	104°05'26.617"W	1.29
9558.00	89.500	8.200	7945.95	1915.14	1907.35	180.78	574716.57	582544.52	32°36'04.628"N	104°05'26.562"W	0.70
9590.00	89.700	8.700	7946.17	1947.13	1939.00	185.48	574721.28	582576.17	32°36'04.941"N	104°05'26.506"W	1.68
9622.00	89.700	8.200	7946.34	1979.12	1970.65	190.18	574725.98	582607.82	32°36'05.254"N	104°05'26.450"W	1.56
9653.00	89.800	8.300	7946.47	2010.11	2001.33	194.63	574730.42	582638.50	32°36'05.558"N	104°05'26.398"W	0.46
9685.00	90.000	8.500	7946.53	2042.11	2032.99	199.31	574735.10	582670.15	32°36'05.871"N	104°05'26.342"W	0.88
9717.00	90.300	8.900	7946.45	2074.09	2064.62	204.15	574739.94	582701.78	32°36'06.184"N	104°05'26.285"W	1.56

Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWB
Facility	Colt 5 Fed No. 3H		

WELLPATH DATA (233 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
9747.00	90.500	8.500	7946.24	2104.08	2094.27	208.69	574744.48	582731.43	32°36'06.477"N	104°05'26.231"W	1.49
9779.00	90.700	8.300	7945.90	2136.07	2125.93	213.36	574749.15	582763.09	32°36'06.790"N	104°05'26.175"W	0.88
9811.00	90.000	7.100	7945.71	2168.06	2157.64	217.65	574753.44	582794.79	32°36'07.104"N	104°05'26.124"W	4.34
9842.00	89.900	6.200	7945.73	2199.06	2188.43	221.24	574757.03	582825.58	32°36'07.409"N	104°05'26.082"W	2.92
9874.00	89.900	6.100	7945.79	2231.06	2220.25	224.67	574760.45	582857.39	32°36'07.723"N	104°05'26.041"W	0.31
9906.00	89.900	5.600	7945.84	2263.05	2252.08	227.93	574763.72	582889.22	32°36'08.038"N	104°05'26.002"W	1.56
9938.00	90.200	5.300	7945.82	2295.04	2283.93	230.97	574766.76	582921.08	32°36'08.353"N	104°05'25.965"W	1.33
9970.00	90.300	6.300	7945.68	2327.03	2315.77	234.20	574769.99	582952.91	32°36'08.668"N	104°05'25.927"W	3.14
10002.00	90.600	7.100	7945.43	2359.03	2347.55	237.93	574773.72	582984.69	32°36'08.983"N	104°05'25.882"W	2.67
10033.00	90.800	7.800	7945.05	2390.03	2378.29	241.95	574777.74	583015.42	32°36'09.287"N	104°05'25.834"W	2.35
10065.00	91.100	7.900	7944.52	2422.02	2409.98	246.32	574782.11	583047.11	32°36'09.600"N	104°05'25.783"W	0.99
10097.00	90.800	7.000	7943.99	2454.01	2441.71	250.47	574786.26	583078.84	32°36'09.914"N	104°05'25.733"W	2.96
10129.00	90.500	7.200	7943.62	2486.01	2473.46	254.43	574790.21	583110.59	32°36'10.228"N	104°05'25.686"W	1.13
10161.00	89.900	6.800	7943.51	2518.01	2505.22	258.33	574794.11	583142.34	32°36'10.542"N	104°05'25.640"W	2.25
10192.00	90.200	6.400	7943.48	2549.01	2536.01	261.89	574797.67	583173.14	32°36'10.847"N	104°05'25.597"W	1.61
10224.00	90.600	6.700	7943.26	2581.01	2567.80	265.54	574801.32	583204.92	32°36'11.161"N	104°05'25.554"W	1.56
10256.00	90.400	6.600	7942.98	2613.01	2599.59	269.24	574805.03	583236.70	32°36'11.476"N	104°05'25.510"W	0.70
10288.00	90.600	6.400	7942.70	2645.00	2631.38	272.87	574808.65	583268.49	32°36'11.790"N	104°05'25.466"W	0.88
10320.00	91.100	7.100	7942.23	2677.00	2663.16	276.63	574812.41	583300.27	32°36'12.105"N	104°05'25.422"W	2.69
10352.00	91.200	6.700	7941.59	2708.99	2694.92	280.47	574816.26	583332.03	32°36'12.419"N	104°05'25.376"W	1.29
10384.00	90.300	7.700	7941.17	2740.99	2726.66	284.48	574820.27	583363.77	32°36'12.733"N	104°05'25.328"W	4.20
10416.00	90.200	7.800	7941.03	2772.99	2758.37	288.80	574824.58	583395.47	32°36'13.046"N	104°05'25.277"W	0.44
10448.00	90.300	8.100	7940.89	2804.98	2790.06	293.22	574829.01	583427.16	32°36'13.360"N	104°05'25.224"W	0.99
10480.00	90.600	8.000	7940.64	2836.97	2821.74	297.70	574833.49	583458.84	32°36'13.673"N	104°05'25.171"W	0.99
10512.00	91.000	8.200	7940.19	2868.97	2853.42	302.21	574837.99	583490.52	32°36'13.987"N	104°05'25.117"W	1.40
10543.00	90.700	8.900	7939.73	2899.95	2884.07	306.82	574842.60	583521.17	32°36'14.290"N	104°05'25.063"W	2.46
10575.00	90.800	9.200	7939.31	2931.93	2915.67	311.85	574847.64	583552.76	32°36'14.602"N	104°05'25.003"W	0.99
10607.00	91.000	9.400	7938.81	2963.90	2947.25	317.02	574852.81	583584.33	32°36'14.915"N	104°05'24.942"W	0.88
10639.00	90.500	9.700	7938.39	2995.87	2978.80	322.33	574858.11	583615.89	32°36'15.227"N	104°05'24.879"W	1.82
10671.00	90.600	10.100	7938.08	3027.82	3010.32	327.83	574863.61	583647.40	32°36'15.539"N	104°05'24.814"W	1.29

Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWB
Facility	Colt 5 Fed No. 3H		

WELLPATH DATA (233 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
10703.00	90.600	9.600	7937.75	3059.78	3041.85	333.31	574869.09	583678.93	32°36'15.850"N	104°05'24.749"W	1.56
10735.00	90.000	10.400	7937.58	3091.74	3073.36	338.86	574874.64	583710.44	32°36'16.162"N	104°05'24.683"W	3.12
10766.00	89.900	10.600	7937.61	3122.68	3103.84	344.51	574880.29	583740.92	32°36'16.464"N	104°05'24.616"W	0.72
10798.00	90.100	10.300	7937.61	3154.62	3135.31	350.32	574886.10	583772.38	32°36'16.775"N	104°05'24.548"W	1.13
10830.00	90.300	10.700	7937.49	3186.56	3166.78	356.15	574891.93	583803.84	32°36'17.086"N	104°05'24.479"W	1.40
10861.00	89.400	9.400	7937.58	3217.52	3197.30	361.56	574897.34	583834.37	32°36'17.388"N	104°05'24.414"W	5.10
10893.00	89.700	9.900	7937.83	3249.49	3228.85	366.92	574902.70	583865.91	32°36'17.700"N	104°05'24.351"W	1.82
10925.00	89.700	9.300	7937.99	3281.45	3260.40	372.26	574908.04	583897.46	32°36'18.012"N	104°05'24.288"W	1.87
10957.00	89.900	9.800	7938.11	3313.42	3291.95	377.57	574913.34	583929.01	32°36'18.324"N	104°05'24.225"W	1.68
10989.00	90.100	9.600	7938.11	3345.39	3323.50	382.96	574918.74	583960.55	32°36'18.636"N	104°05'24.161"W	0.88
11020.00	89.400	9.200	7938.24	3376.36	3354.08	388.02	574923.80	583991.13	32°36'18.939"N	104°05'24.101"W	2.60
11052.00	89.400	8.900	7938.58	3408.34	3385.68	393.06	574928.83	584022.73	32°36'19.251"N	104°05'24.041"W	0.94
11084.00	89.500	8.800	7938.88	3440.32	3417.30	397.98	574933.75	584054.34	32°36'19.564"N	104°05'23.983"W	0.44
11116.00	89.500	8.700	7939.16	3472.30	3448.92	402.85	574938.62	584085.97	32°36'19.877"N	104°05'23.925"W	0.31
11148.00	90.100	8.500	7939.27	3504.29	3480.56	407.63	574943.41	584117.60	32°36'20.190"N	104°05'23.868"W	1.98
11180.00	90.200	8.900	7939.19	3536.28	3512.20	412.47	574948.25	584149.23	32°36'20.503"N	104°05'23.811"W	1.29
11211.00	90.200	8.600	7939.08	3567.26	3542.83	417.19	574952.96	584179.87	32°36'20.806"N	104°05'23.755"W	0.97
11243.00	90.600	8.400	7938.86	3599.25	3574.48	421.92	574957.69	584211.51	32°36'21.119"N	104°05'23.699"W	1.40
11275.00	90.900	8.800	7938.44	3631.24	3606.12	426.70	574962.47	584243.15	32°36'21.432"N	104°05'23.642"W	1.56
11307.00	90.300	8.200	7938.11	3663.22	3637.77	431.43	574967.20	584274.79	32°36'21.745"N	104°05'23.586"W	2.65
11339.00	90.300	8.200	7937.94	3695.22	3669.44	436.00	574971.77	584306.46	32°36'22.058"N	104°05'23.532"W	0.00
11371.00	89.500	8.400	7937.99	3727.21	3701.10	440.62	574976.39	584338.12	32°36'22.371"N	104°05'23.477"W	2.58
11402.00	89.500	8.000	7938.26	3758.20	3731.78	445.04	574980.81	584368.80	32°36'22.675"N	104°05'23.424"W	1.29
11434.00	89.500	8.000	7938.54	3790.19	3763.47	449.49	574985.26	584400.49	32°36'22.988"N	104°05'23.371"W	0.00
11466.00	89.800	8.600	7938.74	3822.19	3795.14	454.11	574989.88	584432.15	32°36'23.301"N	104°05'23.317"W	2.10
11497.00	90.200	8.400	7938.74	3853.17	3825.80	458.69	574994.46	584462.81	32°36'23.605"N	104°05'23.262"W	1.44
11529.00	89.900	8.700	7938.71	3885.16	3857.44	463.45	574999.22	584494.45	32°36'23.918"N	104°05'23.206"W	1.33
11561.00	89.100	7.400	7938.99	3917.16	3889.12	467.93	575003.70	584526.13	32°36'24.231"N	104°05'23.153"W	4.77
11593.00	89.100	7.600	7939.49	3949.15	3920.84	472.11	575007.87	584557.85	32°36'24.545"N	104°05'23.103"W	0.62
11624.00	89.400	7.900	7939.90	3980.15	3951.56	476.29	575012.05	584588.56	32°36'24.849"N	104°05'23.053"W	1.37

Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWP
Facility	Colt 5 Fed No. 3H		

WELLPATH DATA (233 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]
11656.00	89.900	7.400	7940.09	4012.14	3983.27	480.55	575016.31	584620.27	32°36'25.162"N	104°05'23.003"W	2.21
11688.00	90.400	7.200	7940.01	4044.14	4015.01	484.61	575020.38	584652.01	32°36'25.476"N	104°05'22.954"W	1.68
11719.00	90.100	6.700	7939.87	4075.14	4045.79	488.36	575024.13	584682.78	32°36'25.781"N	104°05'22.909"W	1.88
11751.00	90.400	6.500	7939.74	4107.14	4077.57	492.04	575027.81	584714.56	32°36'26.095"N	104°05'22.866"W	1.13
11783.00	91.400	6.300	7939.23	4139.13	4109.37	495.61	575031.37	584746.35	32°36'26.410"N	104°05'22.823"W	3.19
11815.00	91.800	6.600	7938.34	4171.12	4141.15	499.20	575034.97	584778.14	32°36'26.724"N	104°05'22.780"W	1.56
11847.00	92.900	6.100	7937.03	4203.09	4172.93	502.74	575038.50	584809.91	32°36'27.039"N	104°05'22.738"W	3.78
11879.00	93.300	6.700	7935.30	4235.04	4204.68	506.30	575042.06	584841.66	32°36'27.353"N	104°05'22.696"W	2.25
11910.00	92.600	6.600	7933.70	4266.00	4235.43	509.88	575045.65	584872.41	32°36'27.657"N	104°05'22.653"W	2.28
11942.00	91.900	6.700	7932.44	4297.97	4267.19	513.59	575049.35	584904.17	32°36'27.971"N	104°05'22.609"W	2.21
11974.00	91.700	6.400	7931.44	4329.96	4298.97	517.24	575053.00	584935.94	32°36'28.285"N	104°05'22.565"W	1.13
12005.00	92.000	6.400	7930.44	4360.94	4329.76	520.69	575056.45	584966.73	32°36'28.590"N	104°05'22.524"W	0.97
12037.00	91.400	7.600	7929.49	4392.92	4361.51	524.59	575060.35	584998.47	32°36'28.904"N	104°05'22.478"W	4.19
12069.00	91.300	7.600	7928.74	4424.91	4393.22	528.82	575064.58	585030.18	32°36'29.218"N	104°05'22.427"W	0.31
12101.00	90.800	7.300	7928.15	4456.91	4424.94	532.97	575068.73	585061.90	32°36'29.531"N	104°05'22.378"W	1.82
12133.00	91.100	7.300	7927.62	4488.90	4456.68	537.03	575072.79	585093.63	32°36'29.845"N	104°05'22.330"W	0.94
12165.00	91.200	7.500	7926.98	4520.90	4488.41	541.15	575076.91	585125.36	32°36'30.159"N	104°05'22.281"W	0.70
12196.00	90.200	7.600	7926.60	4551.89	4519.13	545.23	575080.99	585156.08	32°36'30.463"N	104°05'22.232"W	3.24
12228.00	89.500	7.200	7926.68	4583.89	4550.87	549.35	575085.11	585187.81	32°36'30.777"N	104°05'22.183"W	2.52
12260.00	89.400	7.500	7926.99	4615.89	4582.60	553.44	575089.20	585219.55	32°36'31.091"N	104°05'22.134"W	0.99
12292.00	90.300	7.900	7927.07	4647.89	4614.31	557.73	575093.49	585251.26	32°36'31.405"N	104°05'22.083"W	3.08
12324.00	90.200	7.700	7926.93	4679.88	4646.02	562.07	575097.83	585282.96	32°36'31.718"N	104°05'22.032"W	0.70
12376.00	90.200	7.700	7926.75	4731.88	4697.55	569.04	575104.80	585334.48	32°36'32.228"N	104°05'21.949"W	0.00

Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No. 3H
Field	(Colt) Sec 5, T20S, R29E	Wellbore	No. 3H AWB
Facility	Colt 5 Fed No. 3H		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
No. 1H PBHL		7929.00	4724.37	581.84	575117.60	585361.30	32°36'32.493"N	104°05'21.799"W	point

WELLPATH COMPOSITION					Ref Wellbore: No. 3H AWB	Ref Wellpath: No. 3H AWP
Start MD [ft]	End MD [ft]	Positional Uncertainty Model		Log Name/Comment		Wellbore
0.00	7171.00	Generic gyro - continuous (Standard)		GYRO (100 - 7171)		No. 3H AWB
7171.00	12324.00	NaviTrak (Standard)		MWD (7296 - 12324)		No. 3H AWB
12324.00	12376.00	Blind Drilling (std)		Projection to bit		No. 3H AWB