

3D-015-37998

Mewbourne Oil Company

Location: Eddy County, NM
Field: (Parkchester) Sec 24, T19S, R28E
Facility: Parkchester 24 State No. 3H

Mewbourne Oil Company

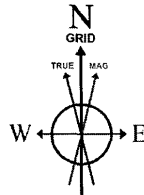
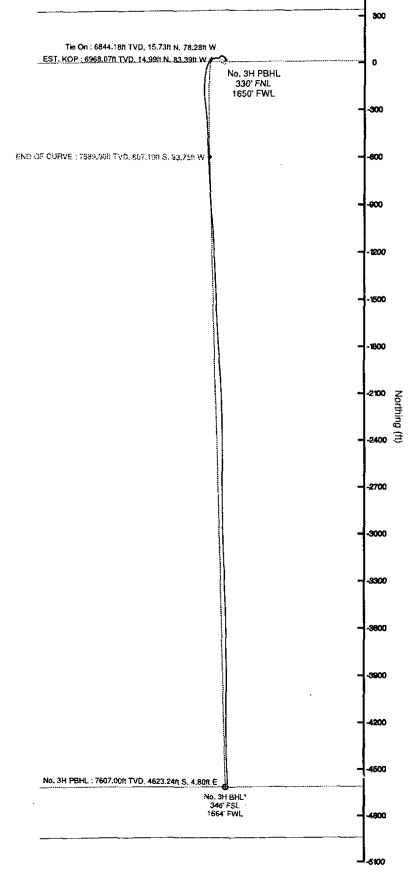
Slot: No. 3H PBHL
Well: No. 3H
Wellbore: No. 2H PWB



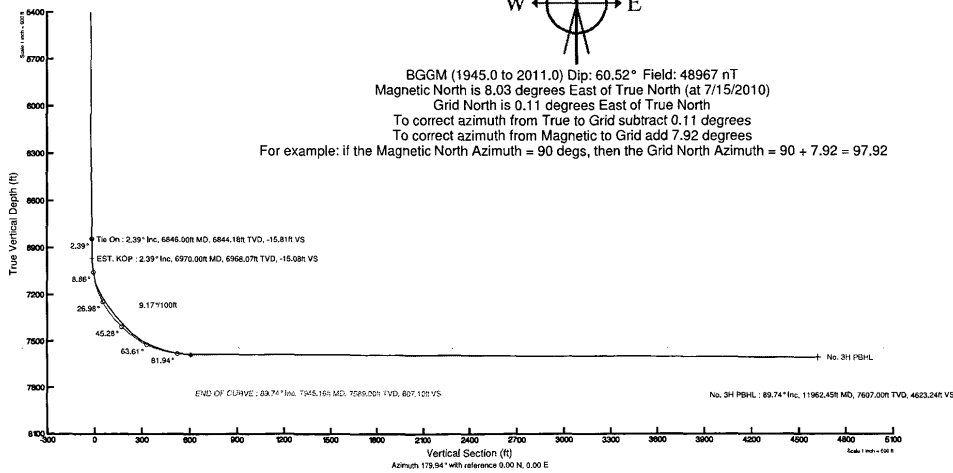
Scale 1 inch = 500.00 ft
Easting (ft)

Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	6846.00	2.39	261.800	6844.18	15.73	-78.28	0.10	-15.81
EST. KOP	6970.00	2.39	261.800	6968.07	14.99	-83.39	0.00	-15.08
END OF CURVE	7945.16	69.743	178.594	7589.00	-607.19	-93.75	9.17	607.10
No. 3H PBHL	11962.45	89.743	178.594	7607.00	-4623.24	4.80	0.00	4623.24

Plot reference wellpath is Plan #1 vs Actual (FINAL)		Grid System: NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet	
True vertical depths are referenced to Rig on No. 3H PBHL (KB)		North Reference: Grid north	
Measured depths are referenced to Rig on No. 3H PBHL (KB)		Scale: True distance	
Rig on No. 3H PBHL (KB) to Mean Sea Level: 3379 feet		Depths are in feet	
Mean Sea Level to Mud line (Facility: Parkchester 24 State No. 3H): -3381 feet		Created by: Victor Hernandez on 10/11/2010	
Coordinates are in feet referenced to Slot			



BGGM (1945.0 to 2011.0) Dip: 60.52° Field: 48967 nT
Magnetic North is 8.03 degrees East of True North (at 7/15/2010)
Grid North is 0.11 degrees East of True North
To correct azimuth from True to Grid subtract 0.11 degrees
To correct azimuth from Magnetic to Grid add 7.92 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.92 = 97.92



*LEASE / HARDLINES ARE APPROXIMATE ONLY AND ARE SUBJECT TO CUSTOMER APPROVAL.

Actual Wellpath Report

No. 3H AWP

Page 1 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 3H PBHL
Area	Eddy County, NM	Well	No. 3H
Field	(Parkchester) Sec 24, T19S, R28E	Wellbore	No. 3H AWB
Facility	Parkchester 24 State 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	0.999913	Report Generated	10/11/2010 at 1:28:23 PM
Convergence at slot	0.11° 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	561645.60	601208.33	32°39'09.589"N	104°07'58.950"W
Facility Reference Pt			561645.60	601208.33	32°39'09.589"N	104°07'58.950"W
Field Reference Pt			561645.60	601208.33	32°39'09.589"N	104°07'58.950"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No. 3H PBHL (KB) to GL	18.00ft
Horizontal Reference Pt	Slot	Rig on No. 3H PBHL (KB) to Mean Sea Level	3379.00ft
Vertical Reference Pt	Rig on No. 3H PBHL (KB)	GL to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 3H PBHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.94°

Actual Wellpath Report

No. 3H AWP

Page 2 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 3H PBHL
Area	Eddy County, NM	Well	No. 3H
Field	(Parkchester) Sec 24, T19S, R28E	Wellbore	No. 3H AWB
Facility	Parkchester 24 State No. 3H		

WELLPATH DATA (230 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	135.510	0.00	0.00	0.00	0.00	561645.60	601208.33	32°39'09.589"N	104°07'58.950"W	0.00
100.00	0.250	135.510	100.00	0.16	-0.16	0.15	561645.75	601208.18	32°39'09.587"N	104°07'58.948"W	0.25
200.00	0.660	54.510	200.00	-0.02	0.02	0.77	561646.37	601208.35	32°39'09.589"N	104°07'58.941"W	0.67
300.00	0.660	83.030	299.99	-0.43	0.43	1.82	561647.42	601208.76	32°39'09.593"N	104°07'58.929"W	0.33
400.00	0.970	53.010	399.98	-1.00	1.01	3.06	561648.66	601209.34	32°39'09.599"N	104°07'58.914"W	0.52
500.00	1.380	58.980	499.96	-2.13	2.14	4.77	561650.37	601210.47	32°39'09.610"N	104°07'58.894"W	0.43
600.00	1.580	59.950	599.93	-3.44	3.45	7.00	561652.60	601211.78	32°39'09.623"N	104°07'58.868"W	0.20
700.00	1.640	57.830	699.89	-4.89	4.90	9.40	561655.00	601213.23	32°39'09.637"N	104°07'58.840"W	0.08
800.00	1.470	51.760	799.85	-6.44	6.46	11.62	561657.22	601214.79	32°39'09.652"N	104°07'58.814"W	0.24
900.00	1.060	48.840	899.83	-7.84	7.86	13.32	561658.92	601216.19	32°39'09.666"N	104°07'58.794"W	0.41
1000.00	0.540	34.660	999.82	-8.84	8.85	14.29	561659.89	601217.18	32°39'09.676"N	104°07'58.783"W	0.55
1100.00	0.310	21.130	1099.81	-9.48	9.49	14.65	561660.25	601217.82	32°39'09.682"N	104°07'58.778"W	0.25
1200.00	0.210	302.540	1199.81	-9.83	9.85	14.60	561660.20	601218.18	32°39'09.686"N	104°07'58.779"W	0.34
1300.00	0.280	304.560	1299.81	-10.07	10.08	14.24	561659.84	601218.41	32°39'09.688"N	104°07'58.783"W	0.07
1400.00	0.260	286.910	1399.81	-10.27	10.29	13.82	561659.42	601218.62	32°39'09.690"N	104°07'58.788"W	0.09
1500.00	0.260	303.890	1499.81	-10.47	10.48	13.42	561659.02	601218.81	32°39'09.692"N	104°07'58.793"W	0.08
1600.00	0.480	304.760	1599.81	-10.83	10.84	12.88	561658.48	601219.18	32°39'09.696"N	104°07'58.799"W	0.22
1700.00	0.330	320.860	1699.80	-11.29	11.31	12.36	561657.96	601219.64	32°39'09.700"N	104°07'58.805"W	0.19
1800.00	0.380	304.480	1799.80	-11.71	11.72	11.90	561657.50	601220.05	32°39'09.704"N	104°07'58.810"W	0.11
1900.00	0.490	285.790	1899.80	-12.01	12.02	11.22	561656.82	601220.35	32°39'09.707"N	104°07'58.818"W	0.18
2000.00	0.400	280.960	1999.80	-12.19	12.21	10.46	561656.06	601220.53	32°39'09.709"N	104°07'58.827"W	0.10
2100.00	0.430	289.240	2099.79	-12.38	12.40	9.77	561655.37	601220.72	32°39'09.711"N	104°07'58.835"W	0.07
2200.00	0.330	298.710	2199.79	-12.65	12.66	9.16	561654.76	601220.99	32°39'09.714"N	104°07'58.842"W	0.12
2300.00	0.320	306.620	2299.79	-12.95	12.96	8.68	561654.28	601221.29	32°39'09.717"N	104°07'58.848"W	0.05
2400.00	0.270	323.170	2399.79	-13.31	13.32	8.32	561653.92	601221.65	32°39'09.720"N	104°07'58.852"W	0.10
2500.00	0.290	311.420	2499.79	-13.66	13.67	7.99	561653.59	601222.00	32°39'09.724"N	104°07'58.856"W	0.06
2600.00	0.260	321.880	2599.79	-14.01	14.02	7.66	561653.26	601222.35	32°39'09.727"N	104°07'58.860"W	0.06
2700.00	0.280	294.990	2699.79	-14.29	14.30	7.30	561652.90	601222.63	32°39'09.730"N	104°07'58.864"W	0.13
2800.00	0.450	337.600	2799.78	-14.76	14.77	6.93	561652.52	601223.10	32°39'09.735"N	104°07'58.869"W	0.31
2900.00	0.850	359.580	2899.78	-15.86	15.87	6.77	561652.37	601224.20	32°39'09.746"N	104°07'58.870"W	0.46

Actual Wellpath Report

No. 3H AWP

Page 3 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 3H PBHL
Area	Eddy County, NM	Well	No. 3H
Field	(Parkchester) Sec 24, T19S, R28E	Wellbore	No. 3H AWB
Facility	Parkchester 24 State No. 3H		

WELLPATH DATA (230 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	0.760	355.930	2999.77	-17.27	17.28	6.71	561652.31	601225.60	32°39'09.759"N	104°07'58.871"W	0.10
3100.00	0.730	352.930	3099.76	-18.56	18.57	6.59	561652.19	601226.90	32°39'09.772"N	104°07'58.872"W	0.05
3200.00	0.800	349.940	3199.75	-19.88	19.89	6.39	561651.99	601228.22	32°39'09.785"N	104°07'58.875"W	0.08
3300.00	1.500	315.850	3299.73	-21.51	21.51	5.35	561650.95	601229.84	32°39'09.801"N	104°07'58.887"W	0.95
3400.00	1.740	311.020	3399.69	-23.45	23.45	3.30	561648.90	601231.78	32°39'09.821"N	104°07'58.911"W	0.28
3500.00	1.850	310.800	3499.64	-25.50	25.50	0.93	561646.53	601233.83	32°39'09.841"N	104°07'58.938"W	0.11
3600.00	1.700	312.730	3599.59	-27.56	27.56	-1.38	561644.22	601235.89	32°39'09.861"N	104°07'58.965"W	0.16
3700.00	1.540	310.290	3699.55	-29.44	29.44	-3.50	561642.10	601237.77	32°39'09.880"N	104°07'58.990"W	0.17
3800.00	1.580	307.030	3799.52	-31.14	31.14	-5.62	561639.98	601239.47	32°39'09.897"N	104°07'59.015"W	0.10
3900.00	1.240	302.470	3899.49	-32.56	32.55	-7.64	561637.96	601240.88	32°39'09.911"N	104°07'59.038"W	0.36
4000.00	1.120	289.830	3999.46	-33.47	33.46	-9.47	561636.13	601241.79	32°39'09.920"N	104°07'59.060"W	0.29
4100.00	1.120	289.550	4099.45	-34.13	34.12	-11.31	561634.29	601242.45	32°39'09.926"N	104°07'59.081"W	0.01
4200.00	1.000	279.660	4199.43	-34.61	34.59	-13.09	561632.51	601242.92	32°39'09.931"N	104°07'59.102"W	0.22
4300.00	1.050	282.630	4299.41	-34.96	34.94	-14.84	561630.76	601243.27	32°39'09.935"N	104°07'59.123"W	0.07
4400.00	1.000	286.040	4399.40	-35.40	35.38	-16.58	561629.02	601243.71	32°39'09.939"N	104°07'59.143"W	0.08
4500.00	0.990	289.820	4499.38	-35.93	35.92	-18.23	561627.37	601244.24	32°39'09.944"N	104°07'59.162"W	0.07
4600.00	0.670	283.960	4599.37	-36.37	36.35	-19.61	561625.99	601244.68	32°39'09.949"N	104°07'59.178"W	0.33
4700.00	0.580	253.460	4699.36	-36.37	36.35	-20.66	561624.94	601244.67	32°39'09.949"N	104°07'59.191"W	0.34
4800.00	0.980	230.840	4799.36	-35.68	35.66	-21.81	561623.79	601243.99	32°39'09.942"N	104°07'59.204"W	0.50
4900.00	1.240	225.560	4899.34	-34.39	34.36	-23.25	561622.36	601242.69	32°39'09.929"N	104°07'59.221"W	0.28
5000.00	1.630	221.510	4999.31	-32.57	32.54	-24.96	561620.64	601240.87	32°39'09.911"N	104°07'59.241"W	0.40
5100.00	1.530	220.050	5099.27	-30.48	30.45	-26.76	561618.84	601238.78	32°39'09.890"N	104°07'59.262"W	0.11
5200.00	1.560	219.630	5199.23	-28.41	28.38	-28.49	561617.11	601236.71	32°39'09.870"N	104°07'59.282"W	0.03
5300.00	1.380	207.080	5299.20	-26.30	26.26	-29.91	561615.70	601234.59	32°39'09.849"N	104°07'59.299"W	0.37
5400.00	1.370	182.940	5399.17	-24.03	24.00	-30.52	561615.09	601232.33	32°39'09.827"N	104°07'59.306"W	0.58
5500.00	1.370	187.130	5499.14	-21.65	21.62	-30.73	561614.88	601229.95	32°39'09.803"N	104°07'59.309"W	0.10
5600.00	1.180	250.420	5599.12	-20.12	20.09	-31.84	561613.76	601228.42	32°39'09.788"N	104°07'59.322"W	1.35
5700.00	1.510	276.600	5699.09	-19.93	19.89	-34.12	561611.48	601228.22	32°39'09.786"N	104°07'59.348"W	0.69
5800.00	2.040	276.070	5799.05	-20.27	20.23	-37.20	561608.40	601228.56	32°39'09.790"N	104°07'59.384"W	0.53
5900.00	2.280	276.390	5898.98	-20.68	20.64	-40.95	561604.66	601228.97	32°39'09.794"N	104°07'59.428"W	0.24

Actual Wellpath Report

No. 3H AWP

Page 4 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 3H PBHL
Area	Eddy County, NM	Well	No. 3H
Field	(Parkchester) Sec 24, T19S, R28E	Wellbore	No. 3H AWB
Facility	Parkchester 24 State No. 3H		

WELLPATH DATA (230 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	2.610	281.260	5998.88	-21.36	21.31	-45.16	561600.45	601229.64	32°39'09.800"N	104°07'59.478"W	0.39
6100.00	2.640	278.660	6098.78	-22.15	22.10	-49.67	561595.94	601230.43	32°39'09.808"N	104°07'59.530"W	0.12
6200.00	2.290	265.180	6198.69	-22.33	22.28	-53.94	561591.67	601230.61	32°39'09.810"N	104°07'59.580"W	0.67
6300.00	2.600	249.180	6298.60	-21.36	21.30	-58.05	561587.56	601229.63	32°39'09.801"N	104°07'59.628"W	0.75
6400.00	2.750	250.210	6398.49	-19.75	19.69	-62.42	561583.18	601228.02	32°39'09.785"N	104°07'59.679"W	0.16
6500.00	2.190	254.410	6498.40	-18.43	18.36	-66.52	561579.08	601226.69	32°39'09.772"N	104°07'59.727"W	0.59
6600.00	1.790	258.250	6598.33	-17.60	17.53	-69.89	561575.72	601225.86	32°39'09.763"N	104°07'59.767"W	0.42
6700.00	1.770	252.240	6698.29	-16.82	16.74	-72.89	561572.72	601225.07	32°39'09.756"N	104°07'59.802"W	0.19
6800.00	2.350	262.240	6798.22	-16.07	15.99	-76.39	561569.21	601224.32	32°39'09.748"N	104°07'59.843"W	0.68
6846.00	2.390	261.800	6844.18	-15.81	15.73	-78.28	561567.33	601224.06	32°39'09.746"N	104°07'59.865"W	0.10
6871.00	2.300	268.800	6869.16	-15.73	15.64	-79.29	561566.31	601223.97	32°39'09.745"N	104°07'59.877"W	1.20
6902.00	1.900	271.600	6900.14	-15.73	15.64	-80.43	561565.18	601223.97	32°39'09.745"N	104°07'59.890"W	1.33
6934.00	2.800	257.800	6932.11	-15.58	15.49	-81.72	561563.88	601223.82	32°39'09.743"N	104°07'59.905"W	3.30
6966.00	2.500	250.700	6964.08	-15.18	15.10	-83.15	561562.46	601223.43	32°39'09.740"N	104°07'59.922"W	1.39
6997.00	4.500	233.300	6995.02	-14.24	14.15	-84.76	561560.85	601222.48	32°39'09.730"N	104°07'59.941"W	7.23
7029.00	7.700	222.100	7026.84	-11.90	11.81	-87.20	561558.40	601220.14	32°39'09.707"N	104°07'59.969"W	10.62
7060.00	11.600	218.700	7057.39	-7.93	7.83	-90.55	561555.06	601216.16	32°39'09.668"N	104°08'00.009"W	12.71
7092.00	15.600	215.500	7088.49	-1.91	1.81	-95.06	561550.55	601210.15	32°39'09.608"N	104°08'00.062"W	12.71
7123.00	19.600	208.400	7118.04	6.05	-6.16	-99.95	561545.65	601202.18	32°39'09.530"N	104°08'00.119"W	14.62
7155.00	23.100	201.400	7147.84	16.62	-16.73	-104.80	561540.81	601191.61	32°39'09.425"N	104°08'00.176"W	13.51
7186.00	26.700	197.200	7175.96	28.93	-29.05	-109.08	561536.53	601179.29	32°39'09.303"N	104°08'00.226"W	12.93
7218.00	29.300	194.900	7204.21	43.37	-43.48	-113.22	561532.39	601164.85	32°39'09.160"N	104°08'00.275"W	8.80
7250.00	31.100	192.300	7231.87	59.01	-59.13	-116.99	561528.62	601149.21	32°39'09.006"N	104°08'00.319"W	6.95
7281.00	33.600	189.700	7258.05	75.28	-75.41	-120.15	561525.46	601132.93	32°39'08.845"N	104°08'00.357"W	9.23
7312.00	35.400	189.100	7283.60	92.60	-92.73	-123.01	561522.60	601115.61	32°39'08.673"N	104°08'00.391"W	5.91
7344.00	36.700	184.100	7309.48	111.30	-111.43	-125.16	561520.45	601096.92	32°39'08.488"N	104°08'00.416"W	10.05
7375.00	38.600	181.600	7334.02	130.20	-130.33	-126.09	561519.52	601078.01	32°39'08.301"N	104°08'00.427"W	7.86
7407.00	39.400	179.600	7358.89	150.34	-150.47	-126.30	561519.31	601057.88	32°39'08.102"N	104°08'00.430"W	4.66
7438.00	41.100	179.700	7382.55	170.37	-170.50	-126.18	561519.43	601037.85	32°39'07.904"N	104°08'00.429"W	5.49
7470.00	43.200	178.700	7406.27	191.84	-191.97	-125.88	561519.73	601016.38	32°39'07.691"N	104°08'00.426"W	6.89

Actual Wellpath Report

No. 3H AWP

Page 5 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 3H PBHL
Area	Eddy County, NM	Well	No. 3H
Field	(Parkchester) Sec 24, T19S, R28E	Wellbore	No. 3H AWB
Facility	Parkchester 24 State No. 3H		

WELLPATH DATA (230 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]
7501.00	45.700	177.200	7428.40	213.53	-213.66	-125.09	561520.52	600994.69	32°39'07.477"N	104°08'00.418"W	8.75
7533.00	49.200	175.300	7450.04	237.05	-237.18	-123.54	561522.07	600971.17	32°39'07.244"N	104°08'00.400"W	11.78
7564.00	52.500	173.500	7469.61	260.97	-261.10	-121.19	561524.42	600947.26	32°39'07.007"N	104°08'00.373"W	11.56
7595.00	56.300	173.900	7487.65	286.02	-286.15	-118.42	561527.19	600922.21	32°39'06.759"N	104°08'00.341"W	12.30
7626.00	60.800	173.400	7503.82	312.30	-312.42	-115.50	561530.11	600895.94	32°39'06.499"N	104°08'00.308"W	14.58
7658.00	64.100	175.200	7518.62	340.53	-340.65	-112.69	561532.92	600867.71	32°39'06.220"N	104°08'00.275"W	11.45
7690.00	66.000	176.100	7532.12	369.46	-369.58	-110.49	561535.12	600838.79	32°39'05.934"N	104°08'00.250"W	6.46
7722.00	67.900	177.400	7544.65	398.86	-398.97	-108.82	561536.79	600809.39	32°39'05.643"N	104°08'00.231"W	7.02
7753.00	70.400	178.300	7555.68	427.81	-427.92	-107.74	561537.87	600780.45	32°39'05.356"N	104°08'00.219"W	8.51
7784.00	73.100	177.200	7565.39	457.22	-457.34	-106.58	561539.03	600751.04	32°39'05.065"N	104°08'00.206"W	9.34
7815.00	76.800	178.000	7573.44	487.13	-487.24	-105.33	561540.28	600721.13	32°39'04.769"N	104°08'00.192"W	12.19
7845.00	81.700	177.800	7579.03	516.58	-516.68	-104.25	561541.36	600691.69	32°39'04.478"N	104°08'00.180"W	16.35
7875.00	85.700	177.600	7582.32	546.37	-546.47	-103.05	561542.56	600661.91	32°39'04.183"N	104°08'00.167"W	13.35
7907.00	87.900	177.700	7584.11	578.29	-578.39	-101.74	561543.87	600629.99	32°39'03.867"N	104°08'00.152"W	6.88
7929.00	88.800	177.500	7584.74	600.26	-600.37	-100.82	561544.79	600608.02	32°39'03.650"N	104°08'00.142"W	4.19
7992.00	89.400	177.400	7585.73	663.19	-663.30	-98.02	561547.59	600545.09	32°39'03.027"N	104°08'00.111"W	0.97
8023.00	89.100	177.500	7586.14	694.16	-694.26	-96.64	561548.97	600514.13	32°39'02.721"N	104°08'00.095"W	1.02
8055.00	88.900	177.500	7586.70	726.13	-726.23	-95.24	561550.37	600482.17	32°39'02.405"N	104°08'00.080"W	0.62
8087.00	88.700	177.200	7587.37	758.09	-758.19	-93.76	561551.85	600450.21	32°39'02.088"N	104°08'00.063"W	1.13
8119.00	89.700	176.800	7587.81	790.04	-790.14	-92.09	561553.52	600418.26	32°39'01.772"N	104°08'00.044"W	3.37
8151.00	89.500	176.400	7588.04	821.99	-822.08	-90.19	561555.42	600386.32	32°39'01.456"N	104°08'00.023"W	1.40
8183.00	89.300	175.700	7588.37	853.91	-854.00	-87.99	561557.62	600354.40	32°39'01.140"N	104°08'00.000"W	2.27
8214.00	89.100	176.400	7588.81	884.84	-884.93	-85.85	561559.76	600323.48	32°39'00.834"N	104°07'59.973"W	2.35
8246.00	90.300	175.400	7588.97	916.76	-916.84	-83.56	561562.04	600291.57	32°39'00.518"N	104°07'59.947"W	4.88
8278.00	90.100	175.600	7588.86	948.66	-948.74	-81.05	561564.56	600259.67	32°39'00.203"N	104°07'59.919"W	0.88
8310.00	89.800	175.300	7588.89	980.56	-980.64	-78.51	561567.09	600227.77	32°38'59.887"N	104°07'59.890"W	1.33
8342.00	90.000	175.600	7588.95	1012.46	-1012.54	-75.97	561569.63	600195.88	32°38'59.571"N	104°07'59.861"W	1.13
8374.00	89.800	175.600	7589.00	1044.37	-1044.45	-73.52	561572.09	600163.98	32°38'59.255"N	104°07'59.833"W	0.62
8406.00	90.300	176.500	7588.97	1076.30	-1076.37	-71.32	561574.29	600132.05	32°38'58.940"N	104°07'59.808"W	3.22
8437.00	90.100	176.100	7588.86	1107.23	-1107.31	-69.32	561576.29	600101.12	32°38'58.633"N	104°07'59.785"W	1.44

Actual Wellpath Report

No. 3H AWB

Page 6 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 3H PBHL
Area	Eddy County, NM	Well	No. 3H
Field	(Parkchester) Sec 24, T19S, R28E	Wellbore	No. 3H AWB
Facility	Parkchester 24 State No. 3H		

WELLPATH DATA (230 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]
8468.00	89.900	177.000	7588.86	1138.18	-1138.25	-67.45	561578.16	600070.18	32°38'58.327"N	104°07'59.764"W	2.97
8500.00	89.700	176.900	7588.98	1170.14	-1170.20	-65.75	561579.86	600038.23	32°38'58.011"N	104°07'59.745"W	0.70
8532.00	89.400	177.000	7589.23	1202.09	-1202.16	-64.04	561581.56	600006.28	32°38'57.695"N	104°07'59.725"W	0.99
8564.00	89.100	177.000	7589.65	1234.05	-1234.11	-62.37	561583.24	599974.33	32°38'57.379"N	104°07'59.706"W	0.94
8596.00	89.900	177.600	7589.93	1266.01	-1266.07	-60.86	561584.74	599942.37	32°38'57.062"N	104°07'59.690"W	3.12
8627.00	89.800	178.000	7590.01	1296.99	-1297.05	-59.67	561585.93	599911.39	32°38'56.756"N	104°07'59.676"W	1.33
8659.00	89.500	177.800	7590.20	1328.97	-1329.03	-58.50	561587.11	599879.42	32°38'56.439"N	104°07'59.663"W	1.13
8691.00	89.300	178.000	7590.54	1360.95	-1361.01	-57.33	561588.28	599847.45	32°38'56.123"N	104°07'59.650"W	0.88
8723.00	90.000	177.800	7590.73	1392.92	-1392.98	-56.15	561589.45	599815.47	32°38'55.806"N	104°07'59.637"W	2.28
8754.00	89.900	177.800	7590.76	1423.90	-1423.96	-54.96	561590.64	599784.50	32°38'55.500"N	104°07'59.624"W	0.32
8786.00	89.700	177.800	7590.87	1455.88	-1455.94	-53.74	561591.87	599752.52	32°38'55.183"N	104°07'59.610"W	0.62
8817.00	89.400	177.500	7591.12	1486.85	-1486.91	-52.47	561593.14	599721.55	32°38'54.877"N	104°07'59.596"W	1.37
8849.00	89.200	177.800	7591.51	1518.83	-1518.88	-51.15	561594.45	599689.59	32°38'54.561"N	104°07'59.582"W	1.13
8880.00	90.400	177.700	7591.61	1549.80	-1549.86	-49.94	561595.67	599658.61	32°38'54.254"N	104°07'59.568"W	3.88
8912.00	90.200	177.400	7591.45	1581.77	-1581.83	-48.57	561597.04	599626.65	32°38'53.938"N	104°07'59.553"W	1.13
8944.00	89.900	177.300	7591.42	1613.74	-1613.79	-47.09	561598.52	599594.68	32°38'53.621"N	104°07'59.536"W	0.99
8976.00	89.700	177.400	7591.53	1645.71	-1645.76	-45.61	561599.99	599562.72	32°38'53.305"N	104°07'59.520"W	0.70
9008.00	89.500	177.600	7591.75	1677.68	-1677.73	-44.21	561601.39	599530.75	32°38'52.989"N	104°07'59.504"W	0.88
9040.00	89.500	177.400	7592.03	1709.65	-1709.69	-42.82	561602.79	599498.79	32°38'52.672"N	104°07'59.488"W	0.62
9072.00	90.300	176.600	7592.09	1741.61	-1741.65	-41.14	561604.46	599466.84	32°38'52.356"N	104°07'59.469"W	3.54
9103.00	90.100	176.300	7591.98	1772.55	-1772.59	-39.22	561606.38	599435.90	32°38'52.050"N	104°07'59.448"W	1.16
9135.00	89.900	176.400	7591.98	1804.49	-1804.53	-37.19	561608.42	599403.97	32°38'51.734"N	104°07'59.425"W	0.70
9167.00	89.800	176.000	7592.06	1836.42	-1836.45	-35.07	561610.54	599372.04	32°38'51.418"N	104°07'59.400"W	1.29
9199.00	89.600	176.200	7592.23	1868.34	-1868.38	-32.89	561612.71	599340.12	32°38'51.102"N	104°07'59.376"W	0.88
9230.00	89.500	176.600	7592.48	1899.28	-1899.32	-30.94	561614.66	599309.18	32°38'50.796"N	104°07'59.354"W	1.33
9262.00	89.400	176.300	7592.78	1931.22	-1931.26	-28.96	561616.64	599277.25	32°38'50.480"N	104°07'59.331"W	0.99
9294.00	89.200	176.600	7593.17	1963.16	-1963.19	-26.98	561618.62	599245.31	32°38'50.164"N	104°07'59.309"W	1.13
9325.00	89.000	176.400	7593.66	1994.10	-1994.13	-25.09	561620.51	599214.38	32°38'49.858"N	104°07'59.287"W	0.91
9357.00	90.300	177.000	7593.86	2026.05	-2026.08	-23.25	561622.36	599182.44	32°38'49.542"N	104°07'59.266"W	4.47
9389.00	90.400	176.800	7593.66	2058.00	-2058.03	-21.52	561624.09	599150.49	32°38'49.225"N	104°07'59.247"W	0.70

Actual Wellpath Report

No. 3H AWP

Page 7 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 3H PBHL
Area	Eddy County, NM	Well	No. 3H
Field	(Parkchester) Sec 24, T19S, R28E	Wellbore	No. 3H AWP
Facility	Parkchester 24 State No. 3H		

WELLPATH DATA (230 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]
9420.00	90.300	177.100	7593.47	2088.96	-2088.98	-19.87	561625.74	599119.53	32°38'48.919"N	104°07'59.228"W	1.02
9452.00	90.800	178.500	7593.16	2120.94	-2120.96	-18.64	561626.96	599087.56	32°38'48.603"N	104°07'59.215"W	4.65
9484.00	90.900	178.600	7592.69	2152.92	-2152.94	-17.83	561627.77	599055.58	32°38'48.286"N	104°07'59.206"W	0.44
9516.00	90.800	178.300	7592.22	2184.91	-2184.93	-16.96	561628.64	599023.60	32°38'47.970"N	104°07'59.196"W	0.99
9547.00	90.300	179.500	7591.92	2215.90	-2215.92	-16.37	561629.23	598992.61	32°38'47.663"N	104°07'59.190"W	4.19
9579.00	90.300	179.000	7591.75	2247.90	-2247.92	-15.95	561629.65	598960.61	32°38'47.346"N	104°07'59.186"W	1.56
9611.00	90.000	179.400	7591.67	2279.90	-2279.91	-15.50	561630.10	598928.62	32°38'47.030"N	104°07'59.181"W	1.56
9643.00	89.900	180.200	7591.69	2311.90	-2311.91	-15.39	561630.21	598896.62	32°38'46.713"N	104°07'59.181"W	2.52
9675.00	89.700	180.000	7591.81	2343.90	-2343.91	-15.45	561630.16	598864.63	32°38'46.396"N	104°07'59.182"W	0.88
9707.00	89.500	179.400	7592.03	2375.89	-2375.91	-15.28	561630.32	598832.63	32°38'46.080"N	104°07'59.181"W	1.98
9738.00	89.400	179.900	7592.33	2406.89	-2406.91	-15.09	561630.51	598801.63	32°38'45.773"N	104°07'59.179"W	1.64
9770.00	89.200	180.000	7592.72	2438.89	-2438.91	-15.06	561630.54	598769.64	32°38'45.456"N	104°07'59.180"W	0.70
9802.00	89.000	179.500	7593.22	2470.89	-2470.90	-14.92	561630.68	598737.65	32°38'45.140"N	104°07'59.179"W	1.68
9833.00	88.800	179.800	7593.82	2501.88	-2501.90	-14.73	561630.87	598706.66	32°38'44.833"N	104°07'59.177"W	1.16
9865.00	88.600	180.200	7594.54	2533.87	-2533.89	-14.73	561630.87	598674.67	32°38'44.517"N	104°07'59.178"W	1.40
9897.00	88.400	179.800	7595.38	2565.86	-2565.88	-14.73	561630.87	598642.68	32°38'44.200"N	104°07'59.179"W	1.40
9929.00	88.200	179.900	7596.33	2597.85	-2597.86	-14.65	561630.95	598610.70	32°38'43.884"N	104°07'59.178"W	0.70
9961.00	88.000	179.800	7597.39	2629.83	-2629.84	-14.56	561631.04	598578.72	32°38'43.567"N	104°07'59.178"W	0.70
9993.00	89.100	180.200	7598.20	2661.82	-2661.83	-14.56	561631.04	598546.73	32°38'43.251"N	104°07'59.179"W	3.66
10025.00	89.100	180.200	7598.70	2693.81	-2693.83	-14.68	561630.92	598514.74	32°38'42.934"N	104°07'59.181"W	0.00
10056.00	88.800	180.000	7599.27	2724.81	-2724.82	-14.73	561630.87	598483.75	32°38'42.627"N	104°07'59.182"W	1.16
10088.00	88.600	180.200	7600.00	2756.80	-2756.82	-14.79	561630.81	598451.76	32°38'42.311"N	104°07'59.184"W	0.88
10120.00	89.200	180.000	7600.61	2788.79	-2788.81	-14.84	561630.76	598419.77	32°38'41.994"N	104°07'59.185"W	1.98
10151.00	89.100	179.900	7601.07	2819.79	-2819.81	-14.82	561630.79	598388.77	32°38'41.688"N	104°07'59.185"W	0.46
10183.00	89.800	179.400	7601.38	2851.79	-2851.80	-14.62	561630.98	598356.78	32°38'41.371"N	104°07'59.184"W	2.69
10215.00	89.800	179.000	7601.49	2883.78	-2883.80	-14.17	561631.43	598324.79	32°38'41.054"N	104°07'59.179"W	1.25
10247.00	90.100	177.800	7601.52	2915.77	-2915.79	-13.28	561632.32	598292.80	32°38'40.738"N	104°07'59.169"W	3.87
10279.00	90.100	177.800	7601.46	2947.75	-2947.76	-12.05	561633.55	598260.83	32°38'40.421"N	104°07'59.156"W	0.00
10310.00	91.100	178.700	7601.14	2978.73	-2978.75	-11.10	561634.50	598229.85	32°38'40.115"N	104°07'59.145"W	4.34
10342.00	91.200	178.800	7600.49	3010.72	-3010.73	-10.41	561635.19	598197.86	32°38'39.798"N	104°07'59.138"W	0.44

Actual Wellpath Report

No. 3H AWP

Page 8 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 3H PBHL
Area	Eddy County, NM	Well	No. 3H
Field	(Parkchester) Sec 24, T19S, R28E	Wellbore	No. 3H AWB
Facility	Parkchester 24 State No. 3H		

WELLPATH DATA (230 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]
10374.00	91.100	177.800	7599.85	3042.70	-3042.71	-9.46	561636.14	598165.89	32°38'39.482"N	104°07'59.128"W	3.14
10406.00	90.800	178.000	7599.32	3074.68	-3074.69	-8.28	561637.32	598133.92	32°38'39.165"N	104°07'59.115"W	1.13
10432.00	90.800	177.800	7598.96	3100.66	-3100.67	-7.33	561638.27	598107.94	32°38'38.908"N	104°07'59.104"W	0.77
10470.00	90.600	177.800	7598.49	3138.63	-3138.64	-5.87	561639.73	598069.97	32°38'38.533"N	104°07'59.088"W	0.53
10502.00	90.500	177.800	7598.19	3170.60	-3170.61	-4.65	561640.96	598038.00	32°38'38.216"N	104°07'59.074"W	0.31
10534.00	90.200	178.100	7597.99	3202.58	-3202.59	-3.50	561642.10	598006.03	32°38'37.900"N	104°07'59.061"W	1.33
10565.00	90.000	178.000	7597.94	3233.57	-3233.57	-2.45	561643.15	597975.05	32°38'37.593"N	104°07'59.050"W	0.72
10597.00	89.900	178.300	7597.97	3265.55	-3265.55	-1.41	561644.19	597943.07	32°38'37.277"N	104°07'59.038"W	0.99
10629.00	89.700	178.100	7598.08	3297.54	-3297.54	-0.41	561645.19	597911.08	32°38'36.960"N	104°07'59.027"W	0.88
10661.00	89.500	177.900	7598.30	3329.52	-3329.52	0.71	561646.31	597879.11	32°38'36.644"N	104°07'59.015"W	0.88
10692.00	89.400	177.900	7598.60	3360.50	-3360.50	1.85	561647.44	597848.13	32°38'36.337"N	104°07'59.002"W	0.32
10724.00	89.200	178.000	7598.99	3392.47	-3392.47	2.99	561648.59	597816.16	32°38'36.021"N	104°07'58.990"W	0.70
10755.00	89.100	178.300	7599.45	3423.46	-3423.45	3.99	561649.59	597785.18	32°38'35.714"N	104°07'58.979"W	1.02
10787.00	89.000	178.200	7599.98	3455.44	-3455.43	4.97	561650.57	597753.20	32°38'35.398"N	104°07'58.968"W	0.44
10819.00	88.900	178.500	7600.57	3487.42	-3487.42	5.89	561651.49	597721.22	32°38'35.081"N	104°07'58.958"W	0.99
10851.00	88.800	178.200	7601.21	3519.40	-3519.40	6.81	561652.41	597689.25	32°38'34.765"N	104°07'58.948"W	0.99
10883.00	88.700	178.900	7601.91	3551.38	-3551.38	7.62	561653.22	597657.27	32°38'34.448"N	104°07'58.939"W	2.21
10915.00	88.600	178.800	7602.66	3583.37	-3583.36	8.26	561653.86	597625.29	32°38'34.132"N	104°07'58.932"W	0.44
10947.00	88.500	178.900	7603.47	3615.35	-3615.35	8.90	561654.50	597593.31	32°38'33.815"N	104°07'58.925"W	0.44
10978.00	89.500	179.100	7604.01	3646.34	-3646.34	9.44	561655.04	597562.32	32°38'33.509"N	104°07'58.920"W	3.29
11010.00	89.600	179.200	7604.26	3678.34	-3678.33	9.92	561655.52	597530.33	32°38'33.192"N	104°07'58.915"W	0.44
11042.00	90.200	179.200	7604.32	3710.34	-3710.33	10.37	561655.96	597498.33	32°38'32.876"N	104°07'58.910"W	1.87
11074.00	90.200	178.900	7604.21	3742.33	-3742.32	10.90	561656.50	597466.34	32°38'32.559"N	104°07'58.905"W	0.94
11106.00	90.200	179.200	7604.09	3774.33	-3774.32	11.43	561657.03	597434.35	32°38'32.242"N	104°07'58.899"W	0.94
11137.00	90.100	179.400	7604.01	3805.33	-3805.32	11.81	561657.40	597403.35	32°38'31.936"N	104°07'58.896"W	0.72
11169.00	90.000	179.300	7603.99	3837.32	-3837.31	12.17	561657.77	597371.36	32°38'31.619"N	104°07'58.892"W	0.44
11201.00	89.900	179.600	7604.01	3869.32	-3869.31	12.48	561658.07	597339.36	32°38'31.302"N	104°07'58.889"W	0.99
11232.00	89.800	180.700	7604.09	3900.32	-3900.31	12.39	561657.99	597308.36	32°38'30.996"N	104°07'58.891"W	3.56
11264.00	89.600	180.200	7604.26	3932.32	-3932.31	12.14	561657.74	597276.37	32°38'30.679"N	104°07'58.895"W	1.68
11296.00	89.500	180.000	7604.51	3964.32	-3964.31	12.09	561657.69	597244.37	32°38'30.362"N	104°07'58.896"W	0.70

Actual Wellpath Report

No. 3H AWP

Page 9 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 3H PBHL
Area	Eddy County, NM	Well	No. 3H
Field	(Parkchester) Sec 24, T19S, R28E	Wellbore	No. 3H AWP
Facility	Parkchester 24 State No. 3H		

WELLPATH DATA (230 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]
11328.00	89.300	180.300	7604.85	3996.32	-3996.31	12.00	561657.60	597212.38	32°38'30.046"N	104°07'58.898"W	1.13
11359.00	89.000	180.300	7605.31	4027.31	-4027.30	11.84	561657.44	597181.38	32°38'29.739"N	104°07'58.900"W	0.97
11391.00	89.000	180.100	7605.87	4059.31	-4059.30	11.73	561657.33	597149.39	32°38'29.423"N	104°07'58.902"W	0.62
11423.00	88.900	180.400	7606.45	4091.30	-4091.29	11.59	561657.19	597117.40	32°38'29.106"N	104°07'58.905"W	0.99
11454.00	88.700	180.600	7607.10	4122.29	-4122.28	11.32	561656.92	597086.41	32°38'28.799"N	104°07'58.908"W	0.91
11486.00	88.600	180.600	7607.86	4154.28	-4154.27	10.98	561656.58	597054.42	32°38'28.483"N	104°07'58.913"W	0.31
11518.00	89.400	180.300	7608.41	4186.28	-4186.27	10.73	561656.33	597022.43	32°38'28.166"N	104°07'58.917"W	2.67
11549.00	89.000	180.300	7608.85	4217.27	-4217.26	10.57	561656.17	596991.44	32°38'27.860"N	104°07'58.919"W	1.29
11580.00	88.900	180.900	7609.42	4248.27	-4248.26	10.25	561655.85	596960.45	32°38'27.553"N	104°07'58.924"W	1.96
11612.00	89.700	179.500	7609.81	4280.26	-4280.25	10.13	561655.73	596928.46	32°38'27.236"N	104°07'58.926"W	5.04
11644.00	89.600	178.900	7610.00	4312.26	-4312.25	10.58	561656.18	596896.46	32°38'26.920"N	104°07'58.921"W	1.90
11676.00	89.500	178.400	7610.25	4344.25	-4344.24	11.34	561656.93	596864.48	32°38'26.603"N	104°07'58.913"W	1.59
11707.00	89.400	178.900	7610.55	4375.24	-4375.23	12.07	561657.66	596833.49	32°38'26.296"N	104°07'58.905"W	1.64
11739.00	89.500	178.700	7610.86	4407.23	-4407.22	12.74	561658.33	596801.50	32°38'25.980"N	104°07'58.898"W	0.70
11771.00	90.600	177.500	7610.83	4439.21	-4439.20	13.80	561659.40	596769.52	32°38'25.663"N	104°07'58.886"W	5.09
11803.00	90.800	178.200	7610.44	4471.19	-4471.18	15.00	561660.60	596737.55	32°38'25.347"N	104°07'58.873"W	2.27
11834.00	90.800	177.700	7610.01	4502.17	-4502.15	16.11	561661.70	596706.58	32°38'25.041"N	104°07'58.861"W	1.61
11866.00	90.800	178.600	7609.56	4534.15	-4534.13	17.14	561662.74	596674.60	32°38'24.724"N	104°07'58.849"W	2.81
11898.00	90.600	178.500	7609.17	4566.14	-4566.12	17.95	561663.55	596642.61	32°38'24.408"N	104°07'58.841"W	0.70
11939.00	90.600	178.500	7608.74	4607.12	-4607.11	19.02	561664.62	596601.63	32°38'24.002"N	104°07'58.829"W	0.00

Actual Wellpath Report

No. 3H AWP

Page 10 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 3H PBHL
Area	Eddy County, NM	Well	No. 3H
Field	(Parkchester) Sec 24, T19S, R28E	Wellbore	No. 3H AWB
Facility	Parkchester 24 State No. 3H		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
No. 3H PBHL		7607.00	-4623.24	4.80	561650.40	596585.50	32°38'23.843"N	104°07'58.996"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	6846.00	Generic gyro - continuous (Standard)	GYRO (100 - 6846)	No. 3H AWB
6846.00	11898.00	NaviTrak (Standard)	MWD	No. 3H AWB
11898.00	11939.00	Blind Drilling (std)	Projection to bit	No. 3H AWB