



Actual Wellpath Report

No. 363H AWP

Page 1 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.363H SHL
Area	Eddy County, NM	Well	No.363H
Field	Poker Lake Unit	Wellbore	No. 363H AWB
Facility	Poker Lake Unit No. 363H		

REPORT SETUP INFORMATION

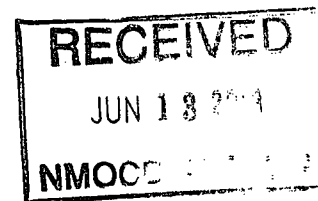
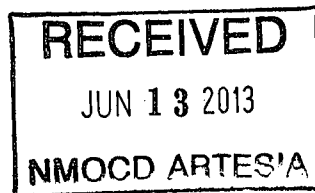
Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 3.0.0
North Reference	Grid	User	Gilbjosl
Scale	0.999932	Report Generated	23/Jan/2013 at 9:02:51 AM
Convergence at slot	0.24° East	Database/Source file	WA Midland/No. _363H_AWB.xn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Lot Location	0.00	0.00	641096.32	429763.17	32°10'50.570"N	103°52'38.213"W
Facility Reference Pt			641096.32	429763.17	32°10'50.570"N	103°52'38.213"W
Field Reference Pt			630272.49	405347.85	32°06'49.387"N	103°54'45.266"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No.363H SHL (KB) to Facility Vertical Datum	22.00ft
Horizontal Reference Pt	Slot	Rig on No.363H SHL (KB) to Mean Sea Level	3331.00ft
Vertical Reference Pt	Rig on No.363H SHL (KB)	Rig on No.363H SHL (KB) to Mud Line at Slot (No.363H SHL)	22.00ft
ID Reference Pt	Rig on No.363H SHL (KB)	Section Origin	N 0.00, E 0.00
Field Vertical Reference	Mean Sea Level	Section Azimuth	300.97°





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No. 363H AWP

Page 2 of 7



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Operator	BOPCO, L.P.	Slot	No.363H SHL
Area	Eddy County, NM	Well	No.363H
Field	Poker Lake Unit	Wellbore	No. 363H AWB
Facility	Poker Lake Unit No. 363H		

WELLPATH DATA (160 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00	0.000	145.950	0.00	0.00	0.00	0.00	641096.31	429763.17	32°10'50.570"N	103°52'38.213"W	0.00	
100.00	0.160	145.950	100.00	-0.13	-0.12	0.08	641096.39	429763.05	32°10'50.569"N	103°52'38.213"W	0.16	
200.00	0.370	167.840	200.00	-0.47	-0.55	0.22	641096.54	429762.62	32°10'50.564"N	103°52'38.211"W	0.23	
300.00	0.240	203.480	300.00	-0.72	-1.05	0.21	641096.52	429762.11	32°10'50.559"N	103°52'38.211"W	0.22	
400.00	0.450	230.090	400.00	-0.62	-1.50	-0.18	641096.14	429761.67	32°10'50.555"N	103°52'38.216"W	0.26	
500.00	0.580	245.610	499.99	-0.20	-1.96	-0.94	641095.38	429761.21	32°10'50.550"N	103°52'38.224"W	0.19	
600.00	0.760	246.710	599.98	0.47	-2.43	-2.01	641094.31	429760.74	32°10'50.546"N	103°52'38.237"W	0.18	
700.00	0.930	247.090	699.97	1.34	-3.01	-3.36	641092.95	429760.16	32°10'50.540"N	103°52'38.253"W	0.17	
800.00	0.890	245.540	799.96	2.26	-3.65	-4.82	641091.50	429759.52	32°10'50.534"N	103°52'38.270"W	0.05	
900.00	0.790	246.960	899.95	3.10	-4.24	-6.16	641090.15	429758.93	32°10'50.528"N	103°52'38.285"W	0.10	
1000.00	0.740	250.600	999.94	3.92	-4.72	-7.40	641088.91	429758.45	32°10'50.523"N	103°52'38.300"W	0.07	
1142.00	0.900	258.700	1141.93	5.33	-5.25	-9.36	641086.95	429757.92	32°10'50.518"N	103°52'38.323"W	0.14	
1331.00	0.500	249.100	1330.91	6.94	-5.83	-11.59	641084.73	429757.34	32°10'50.512"N	103°52'38.349"W	0.22	
1520.00	0.400	286.400	1519.91	8.08	-5.94	-12.99	641083.32	429757.23	32°10'50.511"N	103°52'38.365"W	0.16	
1704.00	0.300	285.400	1703.90	9.17	-5.63	-14.07	641082.24	429757.54	32°10'50.515"N	103°52'38.377"W	0.05	
1893.00	0.800	285.100	1892.89	10.91	-5.15	-15.82	641080.49	429758.01	32°10'50.519"N	103°52'38.398"W	0.26	
2081.00	0.700	265.300	2080.88	13.11	-4.91	-18.23	641078.08	429758.26	32°10'50.522"N	103°52'38.426"W	0.15	
2273.00	0.600	292.500	2272.87	15.06	-4.62	-20.33	641075.98	429758.55	32°10'50.525"N	103°52'38.450"W	0.17	
2462.00	0.900	272.700	2461.85	17.34	-4.17	-22.73	641073.59	429759.00	32°10'50.529"N	103°52'38.478"W	0.21	
2650.00	1.000	260.300	2649.82	19.89	-4.38	-25.82	641070.50	429758.79	32°10'50.527"N	103°52'38.514"W	0.12	
2838.00	1.400	245.800	2837.78	22.44	-5.59	-29.53	641066.78	429757.57	32°10'50.516"N	103°52'38.557"W	0.27	
3027.00	0.800	243.100	3026.75	24.46	-7.14	-32.82	641063.50	429756.03	32°10'50.500"N	103°52'38.596"W	0.32	
3216.00	1.000	172.700	3215.73	24.14	-9.37	-33.78	641062.53	429753.80	32°10'50.478"N	103°52'38.607"W	0.56	
3404.00	1.300	172.400	3403.69	21.80	-13.11	-33.29	641063.02	429750.06	32°10'50.441"N	103°52'38.601"W	0.16	
3591.00	1.100	200.800	3590.65	20.16	-16.89	-33.65	641062.67	429746.28	32°10'50.404"N	103°52'38.606"W	0.33	
3732.00	0.800	188.000	3731.63	19.54	-19.13	-34.27	641062.05	429744.04	32°10'50.382"N	103°52'38.613"W	0.26	
3897.00	0.700	179.200	3896.62	18.55	-21.28	-34.41	641061.90	429741.89	32°10'50.361"N	103°52'38.615"W	0.09	
3993.00	0.800	178.100	3992.61	17.88	-22.54	-34.38	641061.93	429740.63	32°10'50.348"N	103°52'38.615"W	0.11	
4086.00	0.800	184.300	4085.60	17.24	-23.83	-34.41	641061.91	429739.34	32°10'50.335"N	103°52'38.615"W	0.09	
4180.00	0.800	179.400	4179.59	16.60	-25.14	-34.45	641061.87	429738.03	32°10'50.322"N	103°52'38.616"W	0.07	



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Page 3 of 7



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Field	Poker Lake Unit	Wellbore	No. 363H AWB
Facility	Poker Lake Unit No. 363H		

WELLPATH DATA (160 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
1274.00	1.200	160.400	4273.58	15.50	-26.73	-34.12	641062.20	429736.44	32°10'50.307"N	103°52'38.612"W	0.55	
1369.00	0.300	123.300	4368.57	14.48	-27.80	-33.57	641062.74	429735.37	32°10'50.296"N	103°52'38.605"W	1.03	
1462.00	0.400	120.900	4461.57	13.91	-28.10	-33.09	641063.23	429735.07	32°10'50.293"N	103°52'38.600"W	0.11	
1557.00	0.500	106.200	4556.56	13.18	-28.39	-32.41	641063.91	429734.78	32°10'50.290"N	103°52'38.592"W	0.16	
1651.00	0.500	120.800	4650.56	12.37	-28.71	-31.66	641064.65	429734.46	32°10'50.287"N	103°52'38.583"W	0.14	
1746.00	0.500	112.000	4745.56	11.55	-29.08	-30.92	641065.39	429734.09	32°10'50.283"N	103°52'38.575"W	0.08	
1840.00	0.400	131.900	4839.55	10.82	-29.45	-30.30	641066.02	429733.72	32°10'50.280"N	103°52'38.567"W	0.20	
1935.00	0.300	131.500	4934.55	10.25	-29.84	-29.86	641066.45	429733.33	32°10'50.276"N	103°52'38.562"W	0.11	
2028.00	0.300	127.700	5027.55	9.77	-30.15	-29.49	641066.83	429733.02	32°10'50.273"N	103°52'38.558"W	0.02	
2121.00	0.300	139.300	5120.55	9.30	-30.48	-29.14	641067.18	429732.69	32°10'50.269"N	103°52'38.554"W	0.07	
2214.00	0.300	129.300	5213.55	8.83	-30.82	-28.79	641067.53	429732.35	32°10'50.266"N	103°52'38.550"W	0.06	
2309.00	0.200	101.700	5308.55	8.42	-31.01	-28.44	641067.88	429732.16	32°10'50.264"N	103°52'38.546"W	0.16	
2403.00	0.200	121.900	5402.55	8.10	-31.13	-28.14	641068.18	429732.04	32°10'50.263"N	103°52'38.542"W	0.07	
2497.00	0.300	133.400	5496.55	7.70	-31.39	-27.82	641068.50	429731.78	32°10'50.260"N	103°52'38.539"W	0.12	
2592.00	0.400	139.400	5591.54	7.14	-31.81	-27.42	641068.89	429731.36	32°10'50.256"N	103°52'38.534"W	0.11	
2684.00	0.400	142.500	5683.54	6.54	-32.31	-27.02	641069.30	429730.86	32°10'50.251"N	103°52'38.529"W	0.02	
2778.00	0.400	141.100	5777.54	5.92	-32.82	-26.61	641069.71	429730.35	32°10'50.246"N	103°52'38.525"W	0.01	
2870.00	0.400	138.900	5869.54	5.32	-33.32	-26.20	641070.12	429729.85	32°10'50.241"N	103°52'38.520"W	0.02	
2965.00	0.400	150.500	5964.54	4.71	-33.85	-25.82	641070.50	429729.31	32°10'50.236"N	103°52'38.515"W	0.09	
3059.00	0.400	158.700	6058.53	4.17	-34.45	-25.54	641070.78	429728.72	32°10'50.230"N	103°52'38.512"W	0.06	
3154.00	0.400	181.100	6153.53	3.74	-35.09	-25.42	641070.89	429728.08	32°10'50.224"N	103°52'38.511"W	0.16	
3247.00	0.300	184.900	6246.53	3.47	-35.65	-25.45	641070.87	429727.52	32°10'50.218"N	103°52'38.511"W	0.11	
3341.00	0.400	202.900	6340.53	3.32	-36.20	-25.60	641070.72	429726.97	32°10'50.213"N	103°52'38.513"W	0.16	
3436.00	0.300	216.100	6435.53	3.29	-36.71	-25.87	641070.44	429726.46	32°10'50.208"N	103°52'38.516"W	0.13	
3530.00	0.400	204.400	6529.52	3.28	-37.20	-26.15	641070.16	429725.96	32°10'50.203"N	103°52'38.520"W	0.13	
3624.00	1.000	92.900	6623.52	2.52	-37.55	-25.47	641070.85	429725.62	32°10'50.199"N	103°52'38.512"W	1.28	
3686.00	3.300	275.400	6685.49	3.65	-37.40	-26.71	641069.61	429725.76	32°10'50.201"N	103°52'38.526"W	6.93	
3717.00	4.300	269.300	6716.42	5.44	-37.33	-28.76	641067.56	429725.83	32°10'50.201"N	103°52'38.550"W	3.47	
3749.00	6.500	267.900	6748.28	7.98	-37.42	-31.77	641064.55	429725.75	32°10'50.201"N	103°52'38.585"W	6.89	
3780.00	8.800	267.500	6779.00	11.43	-37.58	-35.89	641060.43	429725.59	32°10'50.199"N	103°52'38.633"W	7.42	



Actual Wellpath Report

No. 363H AWP

Page 4 of 7



**BAKER
HUGHES**

REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.363H SHL
Area	Eddy County, NM	Well	No.363H
Field	Poker Lake Unit	Wellbore	No. 363H AWB
Facility	Poker Lake Unit No. 363H		

WELLPATH DATA (160 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5811.00	11.400	266.900	6809.52	15.95	-37.85	-41.32	641055.00	429725.32	32°10'50.197"N	103°52'38.696"W	8.39	
5842.00	14.800	268.300	6839.71	21.82	-38.14	-48.34	641047.98	429725.03	32°10'50.194"N	103°52'38.778"W	11.01	
5874.00	17.300	270.400	6870.46	29.36	-38.22	-57.18	641039.13	429724.95	32°10'50.194"N	103°52'38.881"W	8.02	
5905.00	20.200	272.000	6899.81	38.01	-38.01	-67.14	641029.18	429725.16	32°10'50.196"N	103°52'38.997"W	9.50	
5937.00	23.300	273.700	6929.53	48.47	-37.40	-78.98	641017.34	429725.77	32°10'50.203"N	103°52'39.134"W	9.88	
5969.00	26.300	272.800	6958.57	60.35	-36.65	-92.38	641003.94	429726.52	32°10'50.211"N	103°52'39.290"W	9.45	
5999.00	28.600	270.200	6985.20	72.38	-36.30	-106.20	640990.12	429726.87	32°10'50.215"N	103°52'39.451"W	8.64	
7030.00	31.300	268.900	7012.05	85.58	-36.43	-121.68	640974.65	429726.74	32°10'50.214"N	103°52'39.631"W	8.96	
7062.00	33.500	268.700	7039.07	100.09	-36.79	-138.82	640957.50	429726.38	32°10'50.211"N	103°52'39.830"W	6.88	
7093.00	35.900	269.700	7064.56	115.10	-37.03	-156.46	640939.86	429726.14	32°10'50.210"N	103°52'40.036"W	7.96	
7125.00	37.700	270.200	7090.18	131.52	-37.04	-175.63	640920.70	429726.13	32°10'50.210"N	103°52'40.259"W	5.70	
7156.00	40.100	270.300	7114.30	148.26	-36.96	-195.10	640901.23	429726.21	32°10'50.212"N	103°52'40.485"W	7.74	
7187.00	41.700	270.600	7137.73	165.74	-36.80	-215.39	640880.94	429726.37	32°10'50.215"N	103°52'40.721"W	5.20	
7218.00	43.800	271.600	7160.50	183.99	-36.39	-236.43	640859.90	429726.78	32°10'50.220"N	103°52'40.966"W	7.12	
7249.00	45.800	272.000	7182.49	203.06	-35.70	-258.26	640838.07	429727.47	32°10'50.227"N	103°52'41.220"W	6.52	
7280.00	48.200	271.500	7203.63	222.85	-35.01	-280.92	640815.41	429728.16	32°10'50.235"N	103°52'41.484"W	7.83	
7311.00	51.200	270.100	7223.68	243.28	-34.69	-304.56	640791.78	429728.48	32°10'50.239"N	103°52'41.759"W	10.27	
7342.00	53.700	269.500	7242.57	264.30	-34.78	-329.13	640767.21	429728.39	32°10'50.239"N	103°52'42.045"W	8.21	
7374.00	55.800	268.700	7261.04	286.49	-35.19	-355.26	640741.08	429727.98	32°10'50.236"N	103°52'42.349"W	6.87	
7405.00	57.600	268.500	7278.06	308.38	-35.82	-381.16	640715.18	429727.35	32°10'50.231"N	103°52'42.650"W	5.83	
7437.00	58.600	268.800	7294.97	331.33	-36.46	-408.32	640688.02	429726.71	32°10'50.226"N	103°52'42.966"W	3.22	
7469.00	58.900	268.300	7311.57	354.43	-37.16	-435.67	640660.68	429726.01	32°10'50.220"N	103°52'43.284"W	1.63	
7553.00	60.200	267.500	7354.14	415.10	-39.81	-508.03	640588.32	429723.36	32°10'50.197"N	103°52'44.126"W	1.75	
7623.00	60.800	267.400	7388.61	465.89	-42.52	-568.90	640527.46	429720.65	32°10'50.173"N	103°52'44.835"W	0.87	
7655.00	62.400	267.200	7403.83	489.32	-43.85	-597.01	640499.34	429719.32	32°10'50.161"N	103°52'45.162"W	5.03	
7687.00	64.200	266.900	7418.21	513.04	-45.32	-625.56	640470.80	429717.85	32°10'50.147"N	103°52'45.494"W	5.69	
7719.00	64.900	267.100	7431.96	537.00	-46.83	-654.42	640441.94	429716.34	32°10'50.134"N	103°52'45.830"W	2.26	
7751.00	66.000	267.400	7445.25	561.21	-48.23	-683.49	640412.87	429714.94	32°10'50.121"N	103°52'46.168"W	3.54	
7782.00	66.700	268.000	7457.69	584.95	-49.37	-711.86	640384.50	429713.80	32°10'50.111"N	103°52'46.498"W	2.87	
7814.00	67.700	268.700	7470.09	609.80	-50.22	-741.35	640355.02	429712.95	32°10'50.104"N	103°52'46.841"W	3.72	



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Page 5 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.363H SHL
Area	Eddy County, NM	Well	No.363H
Field	Poker Lake Unit	Wellbore	No. 363H AWB
Facility	Poker Lake Unit No. 363H		

WELLPATH DATA (160 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comment
846.00	68.400	269.700	7482.05	635.03	-50.63	-771.03	640325.34	429712.54	32°10'50.101"N	103°52'47.187"W	3.63	
877.00	68.700	269.600	7493.39	659.68	-50.81	-799.88	640296.49	429712.36	32°10'50.100"N	103°52'47.522"W	1.01	
902.00	69.200	270.500	7502.37	679.69	-50.79	-823.21	640273.16	429712.38	32°10'50.102"N	103°52'47.794"W	3.91	
928.00	69.600	270.700	7511.51	700.69	-50.53	-847.55	640248.83	429712.64	32°10'50.105"N	103°52'48.077"W	1.70	
960.00	69.800	270.500	7522.62	726.58	-50.22	-877.56	640218.82	429712.95	32°10'50.109"N	103°52'48.426"W	0.86	
992.00	69.500	266.100	7533.75	751.83	-51.11	-907.54	640188.84	429712.06	32°10'50.102"N	103°52'48.775"W	12.93	
1024.00	68.400	261.900	7545.25	775.69	-54.22	-937.23	640159.15	429708.95	32°10'50.072"N	103°52'49.121"W	12.72	
1056.00	69.700	261.100	7556.69	798.75	-58.64	-966.79	640129.60	429704.53	32°10'50.030"N	103°52'49.465"W	4.69	
1087.00	73.000	260.700	7566.60	821.23	-63.29	-995.78	640100.60	429699.88	32°10'49.985"N	103°52'49.802"W	10.72	
1119.00	76.600	261.500	7574.99	844.92	-68.06	-1026.29	640070.10	429695.11	32°10'49.939"N	103°52'50.157"W	11.51	
1150.00	80.200	262.300	7581.22	868.50	-72.34	-1056.35	640040.04	429690.83	32°10'49.898"N	103°52'50.507"W	11.88	
1182.00	84.100	263.400	7585.59	893.43	-76.28	-1087.79	640008.60	429686.89	32°10'49.860"N	103°52'50.873"W	12.65	
1215.00	87.400	265.500	7588.04	919.87	-79.46	-1120.54	639975.85	429683.71	32°10'49.830"N	103°52'51.255"W	11.84	
1246.00	87.500	262.800	7589.42	944.66	-82.62	-1151.35	639945.05	429680.55	32°10'49.800"N	103°52'51.613"W	8.71	
1258.00	86.900	261.000	7590.00	953.96	-84.31	-1163.21	639933.18	429678.86	32°10'49.784"N	103°52'51.751"W	15.79	
1353.00	91.000	266.900	7591.75	1029.75	-94.31	-1257.61	639838.80	429668.86	32°10'49.689"N	103°52'52.850"W	7.56	
1448.00	91.500	268.000	7589.67	1108.93	-98.53	-1352.49	639743.92	429664.64	32°10'49.651"N	103°52'53.954"W	1.27	
1543.00	91.900	271.300	7586.85	1190.04	-99.12	-1447.43	639648.99	429664.06	32°10'49.649"N	103°52'55.059"W	3.50	
1639.00	92.100	282.300	7583.49	1277.43	-87.77	-1542.55	639553.87	429675.40	32°10'49.766"N	103°52'56.165"W	11.45	
1734.00	92.100	281.900	7580.01	1367.26	-67.87	-1635.38	639461.05	429695.30	32°10'49.966"N	103°52'57.244"W	0.42	
1829.00	92.200	281.200	7576.45	1456.79	-48.87	-1728.39	639368.05	429714.31	32°10'50.158"N	103°52'58.325"W	0.74	
1924.00	92.500	274.200	7572.55	1543.93	-36.15	-1822.39	639274.05	429727.01	32°10'50.288"N	103°52'59.418"W	7.37	
2020.00	92.500	270.800	7568.36	1628.23	-31.97	-1918.20	639178.25	429731.20	32°10'50.333"N	103°53'00.533"W	3.54	
2116.00	92.300	272.900	7564.34	1712.02	-28.88	-2014.06	639082.40	429734.29	32°10'50.368"N	103°53'01.648"W	2.20	
2210.00	91.900	273.300	7560.89	1795.05	-23.80	-2107.86	638988.61	429739.37	32°10'50.422"N	103°53'02.739"W	0.60	
2305.00	92.000	275.800	7557.66	1880.07	-16.26	-2202.49	638893.98	429746.90	32°10'50.500"N	103°53'03.840"W	2.63	
2401.00	90.900	281.600	7555.23	1968.84	-1.75	-2297.32	638799.16	429761.41	32°10'50.648"N	103°53'04.942"W	6.15	
2496.00	91.100	289.700	7553.57	2060.38	23.85	-2388.70	638707.78	429787.01	32°10'50.905"N	103°53'06.004"W	8.53	
2591.00	90.500	296.100	7552.24	2154.38	60.79	-2476.16	638620.33	429823.96	32°10'51.274"N	103°53'07.020"W	6.77	
2687.00	90.300	299.500	7551.57	2250.21	105.56	-2561.07	638535.43	429868.72	32°10'51.721"N	103°53'08.006"W	3.55	



Actual Wellpath Report

No. 363H AWP

Page 6 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.363H SHL
Area	Eddy County, NM	Well	No.363H
Field	Poker Lake Unit	Wellbore	No. 363H AWP
Facility	Poker Lake Unit No. 363H		

WELLPATH DATA (160 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comment
9781.00	90.700	305.600	7550.75	2344.13	156.11	-2640.26	638456.24	429919.26	32°10'52.224"N	103°53'08.925"W	6.50	
9876.00	90.300	311.300	7549.92	2438.28	215.16	-2714.63	638381.88	429978.31	32°10'52.812"N	103°53'09.787"W	6.01	
9971.00	90.100	314.400	7549.59	2531.23	279.75	-2784.27	638312.24	430042.90	32°10'53.454"N	103°53'10.594"W	3.27	
10067.00	90.200	317.200	7549.34	2624.03	348.57	-2851.19	638245.33	430111.71	32°10'54.137"N	103°53'11.370"W	2.92	
10161.00	90.000	319.100	7549.17	2713.83	418.59	-2913.90	638182.62	430181.73	32°10'54.833"N	103°53'12.096"W	2.03	
10257.00	90.400	321.800	7548.84	2804.33	492.60	-2975.02	638121.50	430255.74	32°10'55.568"N	103°53'12.803"W	2.84	
10351.00	90.200	322.100	7548.35	2892.10	566.62	-3032.96	638063.57	430329.75	32°10'56.303"N	103°53'13.474"W	0.38	
10447.00	89.700	322.600	7548.43	2981.49	642.63	-3091.60	638004.93	430405.75	32°10'57.057"N	103°53'14.153"W	0.74	
10542.00	89.600	322.800	7549.01	3069.74	718.20	-3149.17	637947.37	430481.32	32°10'57.807"N	103°53'14.819"W	0.24	
10636.00	89.500	320.900	7549.75	3157.56	792.12	-3207.23	637889.31	430555.23	32°10'58.541"N	103°53'15.491"W	2.02	
10731.00	89.500	321.600	7550.58	3246.67	866.20	-3266.69	637829.86	430629.31	32°10'59.277"N	103°53'16.179"W	0.74	
10826.00	89.600	320.200	7551.32	3335.98	939.92	-3326.60	637769.95	430703.02	32°11'00.009"N	103°53'16.872"W	1.48	
10921.00	89.700	320.200	7551.90	3425.68	1012.91	-3387.41	637709.15	430776.00	32°11'00.733"N	103°53'17.576"W	0.11	
11016.00	89.800	320.400	7552.32	3515.32	1086.00	-3448.09	637648.47	430849.09	32°11'01.459"N	103°53'18.279"W	0.24	
11112.00	89.600	320.300	7552.82	3605.88	1159.91	-3509.35	637587.22	430923.00	32°11'02.193"N	103°53'18.988"W	0.23	
11208.00	89.600	319.500	7553.49	3696.69	1233.34	-3571.18	637525.39	430996.43	32°11'02.922"N	103°53'19.704"W	0.83	
11303.00	89.400	319.700	7554.32	3786.71	1305.69	-3632.75	637463.82	431068.76	32°11'03.641"N	103°53'20.417"W	0.30	
11398.00	90.100	321.800	7554.73	3876.10	1379.25	-3692.85	637403.72	431142.32	32°11'04.371"N	103°53'21.113"W	2.33	
11494.00	90.000	321.300	7554.65	3965.97	1454.43	-3752.55	637344.03	431217.50	32°11'05.117"N	103°53'21.804"W	0.53	
11588.00	90.100	325.000	7554.57	4053.00	1529.64	-3808.91	637287.67	431292.70	32°11'05.864"N	103°53'22.456"W	3.94	
11683.00	90.700	325.000	7553.91	4139.77	1607.46	-3863.40	637233.19	431370.51	32°11'06.636"N	103°53'23.086"W	0.63	
11778.00	90.200	325.700	7553.16	4226.30	1685.60	-3917.41	637179.18	431448.65	32°11'07.412"N	103°53'23.711"W	0.91	
11872.00	90.700	325.300	7552.42	4311.81	1763.07	-3970.65	637125.94	431526.11	32°11'08.180"N	103°53'24.327"W	0.68	
11966.00	90.700	326.400	7551.27	4397.08	1840.85	-4023.41	637073.18	431603.89	32°11'08.952"N	103°53'24.937"W	1.17	
12063.00	90.900	325.900	7549.92	4484.86	1921.40	-4077.44	637019.16	431684.44	32°11'09.751"N	103°53'25.562"W	0.56	
12157.00	91.900	322.800	7547.62	4571.10	1997.75	-4132.20	636964.40	431760.78	32°11'10.509"N	103°53'26.195"W	3.46	
12252.00	91.900	322.100	7544.47	4659.46	2073.03	-4190.07	636906.54	431836.05	32°11'11.256"N	103°53'26.865"W	0.74	
12348.00	91.600	322.700	7541.54	4748.78	2149.05	-4248.61	636848.00	431912.07	32°11'12.011"N	103°53'27.542"W	0.70	
12443.00	91.100	321.400	7539.30	4837.40	2223.94	-4307.02	636789.60	431986.96	32°11'12.755"N	103°53'28.218"W	1.47	
12538.00	91.100	319.200	7537.48	4927.02	2297.02	-4367.69	636728.93	432060.03	32°11'13.480"N	103°53'28.921"W	2.32	



Actual Wellpath Report

No. 363H AWP

Page 7 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.363H SHL
Area	Eddy County, NM	Well	No.363H
Field	Poker Lake Unit	Wellbore	No. 363H AWB
Facility	Poker Lake Unit No. 363H		

WELLPATH DATA (160 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comment
2633.00	91.100	316.500	7535.65	5017.91	2367.43	-4431.42	636665.20	432130.43	32°11'14.180"N	103°53'29.659"W	2.84	
2728.00	90.400	315.300	7534.41	5109.69	2435.65	-4497.53	636599.10	432198.64	32°11'14.857"N	103°53'30.425"W	1.46	
2823.00	91.300	313.300	7533.00	5202.12	2501.98	-4565.50	636531.13	432264.98	32°11'15.516"N	103°53'31.213"W	2.31	
2918.00	92.700	316.100	7529.68	5294.33	2568.76	-4632.98	636463.66	432331.74	32°11'16.180"N	103°53'31.995"W	3.29	
3013.00	90.400	317.900	7527.11	5385.60	2638.20	-4697.74	636398.90	432401.19	32°11'16.870"N	103°53'32.745"W	3.07	
3108.00	91.000	322.300	7525.95	5475.33	2711.06	-4758.66	636337.99	432474.04	32°11'17.593"N	103°53'33.450"W	4.67	
3203.00	89.900	324.700	7525.21	5563.07	2787.42	-4815.16	636281.49	432550.39	32°11'18.351"N	103°53'34.104"W	2.78	
3298.00	89.500	325.400	7525.70	5649.80	2865.28	-4869.58	636227.08	432628.25	32°11'19.124"N	103°53'34.734"W	0.85	
3354.00	90.100	324.700	7525.90	5700.93	2911.18	-4901.66	636195.00	432674.15	32°11'19.579"N	103°53'35.105"W	1.65	
3428.00	90.100	324.700	7525.77	5768.67	2971.58	-4944.42	636152.24	432734.54	32°11'20.179"N	103°53'35.599"W	0.00	Proj to bit

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
No.363H PBHL		7525.00	2971.37	-4950.51	636146.15	432734.33	32°11'20.177"N	103°53'35.670"W	point

WELLPATH COMPOSITION - Ref Wellbore: No. 363H AWB Ref Wellpath: No. 363H AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	1000.00	Generic gyro - northseeking (Standard)	VES Gyros <100-1000>	No. 363H AWB
1000.00	13354.00	NaviTrak (Standard)	BHI MWD Navitrak <1142-xxxx>	No. 363H AWB
13354.00	13428.00	Blind Drilling (std)	Projection to bit	No. 363H AWB

PRECISION PRESSURE DATA, INC.

TEMPERATURE SURVEY REPORT

Company BOPCO, LP Lease POKER LAKE UNIT Well # 363-H
Field _____ County EDDY State NEW MEXICO
Survey Date 1/13/2013 Time 20:24 Company Rep TERRY BARON

Top of Cement 2570

Total Depth 4900

Zero @ KB

Plug Down @

Casing Size 7

Hole Size

Sacks of Cement

Ran By C. HOMER

Calculated By D. WEST

TEMPERATURE SURVEY REPORT

TEMPERATURE IN DEGREES F

