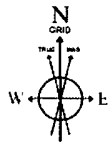




BOPCO, L.P.

Location Eddy County, NM
Field Poker Lake Unit
Facility Poker Lake Unit No. 355H

Slot No 355H SHL
Well No 355H
Wellbore No 355H PWB



BGGM (1945.0 to 2013.0) Dip: 80.03° Field: 48457.4 nT
Magnetic North is 7.64 degrees East of True North (at 01/13/2012)

Grid North is 0.29 degrees East of True North
To correct azimuth from True to Grid subtract 0.29 degrees
To correct azimuth from Magnetic to Grid add 7.34 degrees

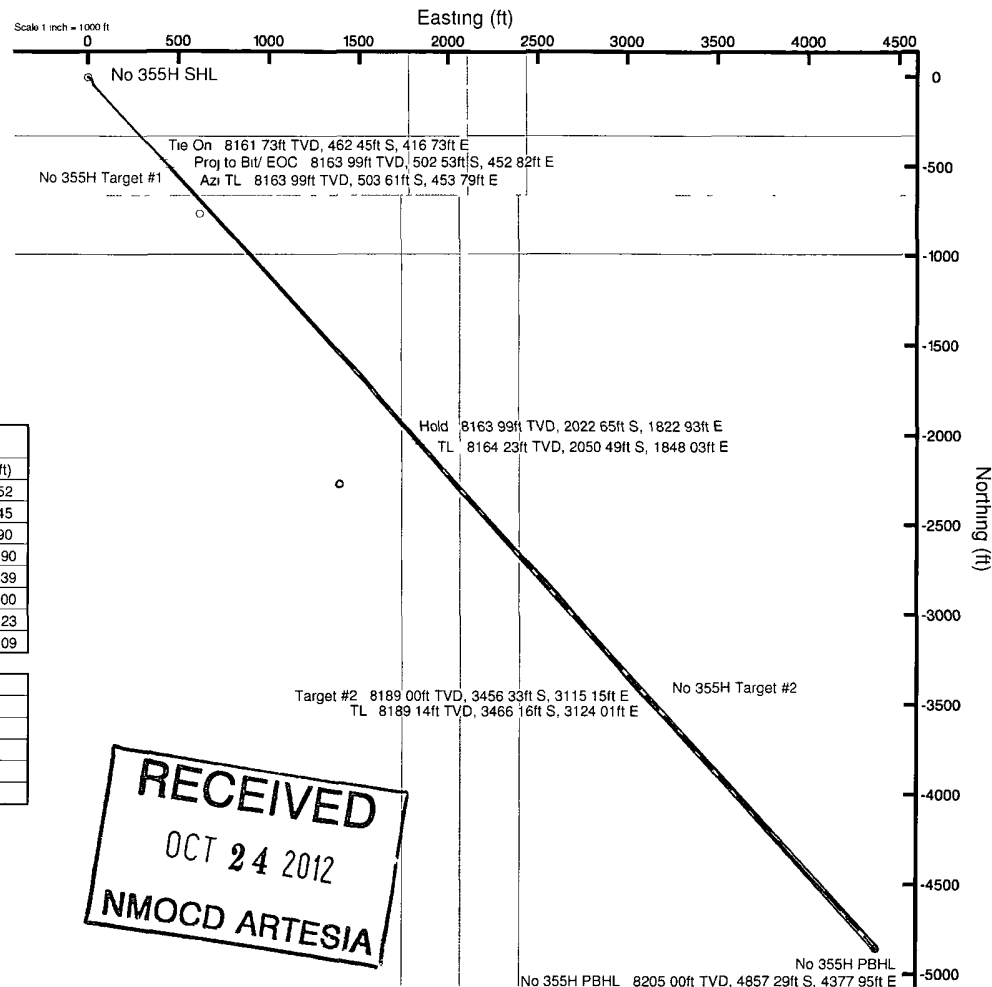
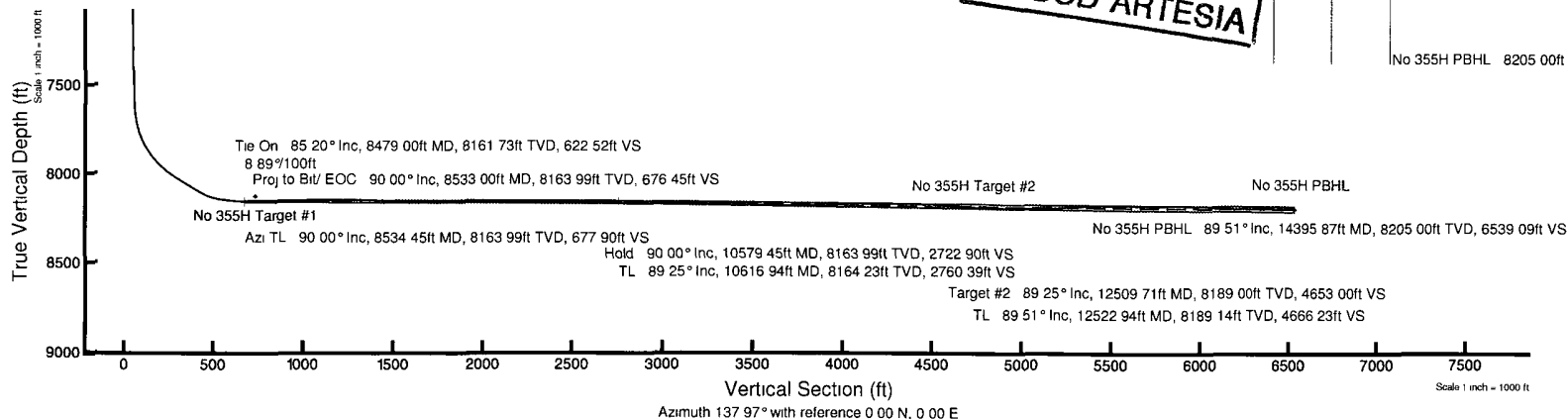
For example if the Magnetic North Azimuth = 90 degs then the Grid North Azimuth = 90 + 7.34 = 97.34



Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	8479.00	85.200	138.000	8161.73	-462.45	416.73	0.00	622.52
Proj to Bit/ EOC	8533.00	90.000	138.000	8163.99	-502.53	452.82	8.89	676.45
Azi TL	8534.45	90.000	137.971	8163.99	-503.61	453.79	2.00	677.90
Hold	10579.45	90.000	137.971	8163.99	-2022.65	1822.93	0.00	2722.90
TL	10616.94	89.250	137.971	8164.23	-2050.49	1848.03	2.00	2760.39
Target #2	12509.71	89.250	137.971	8189.00	-3456.33	3115.15	0.00	4653.00
TL	12522.94	89.515	137.969	8189.14	-3466.16	3124.01	2.00	4666.23
No 355H PBHL	14395.87	89.515	137.969	8205.00	-4857.29	4377.95	0.00	6539.09

Plot reference wellpath is Rev F 0	
True vertical depths are referenced to Rig on No 355H SHL (KB)	Grid System NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No 355H SHL (KB)	North Reference Grid north
Rig on No 355H SHL (KB) to Mean Sea Level 3457 feet	Scale True distance
Mean Sea Level to Mud line (At Slot No 355H SHL) 3435 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by gentbry on 6/23/2012



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Actual Wellpath Report

No. 355H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No.355H SHL
Area	Eddy County, NM	Well	No.355H
Field	Poker Lake Unit	Wellbore	No. 355H AWB
Facility	Poker Lake Unit No. 355H		

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	Gentbry
Scale	0.999943	Report Generated	7/3/2012 at 7:35:18 AM
Convergence at slot	0.29° East	Database/Source file	WA Midland/No. 355H_AWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	671062.51	425479.00	32°10'06.783"N	103°46'49.798"W
Facility Reference Pt			671062.51	425479.00	32°10'06.783"N	103°46'49.798"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 355H SHL (KB) to Facility Vertical Datum	22.00ft
Horizontal Reference Pt	Slot	Rig on No 355H SHL (KB) to Mean Sea Level	3457.00ft
Vertical Reference Pt	Rig on No.355H SHL (KB)	Rig on No.355H SHL (KB) to Mud Line at Slot (No.355H SHL)	22.00ft
MD Reference Pt	Rig on No.355H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	137.97°



Actual Wellpath Report

No. 355H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No.355H SHL
Area	Eddy County, NM	Well	No.355H
Field	Poker Lake Unit	Wellbore	No. 355H AWB
Facility	Poker Lake Unit No. 355H		

WELLPATH DATA (173 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	105.490	0.00	0.00	0.00	0.00	671062.51	425479.00	32°10'06.783"N	103°46'49.798"W	0.00	
77.30	0.200	105.490	77.30	0.11	-0.04	0.13	671062.64	425478.96	32°10'06.783"N	103°46'49.796"W	0.26	
170.80	0.300	106.740	170.80	0.46	-0.15	0.52	671063.03	425478.85	32°10'06.781"N	103°46'49.792"W	0.11	
264.30	0.320	109.150	264.30	0.90	-0.31	1.00	671063.51	425478.69	32°10'06.780"N	103°46'49.786"W	0.03	
357.80	0.470	121.860	357.80	1.50	-0.59	1.58	671064.09	425478.41	32°10'06.777"N	103°46'49.779"W	-0.18	
451.40	0.640	115.590	451.39	2.35	-1.02	2.37	671064.88	425477.98	32°10'06.773"N	103°46'49.770"W	0.19	
544.90	0.630	115.770	544.89	3.31	-1.47	3.31	671065.82	425477.53	32°10'06.768"N	103°46'49.759"W	0.01	
638.40	0.610	108.890	638.38	4.22	-1.86	4.24	671066.75	425477.14	32°10'06.764"N	103°46'49.749"W	0.08	
731.90	0.590	93.920	731.87	5.00	-2.05	5.19	671067.70	425476.95	32°10'06.762"N	103°46'49.738"W	0.17	
825.40	0.590	117.850	825.37	5.80	-2.31	6.10	671068.61	425476.69	32°10'06.760"N	103°46'49.727"W	0.26	
919.00	0.690	133.240	918.96	6.81	-2.92	6.93	671069.44	425476.08	32°10'06.754"N	103°46'49.717"W	0.21	
1012.50	0.660	135.690	1012.46	7.91	-3.69	7.72	671070.23	425475.31	32°10'06.746"N	103°46'49.708"W	0.04	
1106.00	0.570	131.780	1105.95	8.91	-4.39	8.44	671070.95	425474.61	32°10'06.739"N	103°46'49.700"W	0.11	
1199.50	0.620	129.510	1199.45	9.87	-5.02	9.18	671071.69	425473.98	32°10'06.733"N	103°46'49.691"W	0.06	
1293.00	0.560	125.740	1292.94	10.82	-5.61	9.94	671072.45	425473.39	32°10'06.727"N	103°46'49.682"W	0.08	
1386.60	0.440	121.130	1386.54	11.61	-6.06	10.62	671073.13	425472.94	32°10'06.722"N	103°46'49.675"W	0.14	
1480.10	0.320	119.770	1480.04	12.20	-6.37	11.15	671073.66	425472.63	32°10'06.719"N	103°46'49.668"W	0.13	
1573.60	0.130	127.040	1573.54	12.56	-6.57	11.47	671073.98	425472.43	32°10'06.717"N	103°46'49.665"W	0.21	
1667.10	0.030	92.370	1667.04	12.68	-6.63	11.57	671074.08	425472.37	32°10'06.717"N	103°46'49.664"W	0.11	
1760.60	0.050	10.590	1760.54	12.67	-6.59	11.61	671074.12	425472.41	32°10'06.717"N	103°46'49.663"W	0.06	
1854.20	0.060	322.170	1854.14	12.60	-6.51	11.58	671074.09	425472.49	32°10'06.718"N	103°46'49.663"W	0.05	
1947.70	0.100	249.380	1947.64	12.52	-6.50	11.48	671073.99	425472.50	32°10'06.718"N	103°46'49.665"W	0.11	
2041.20	0.180	231.530	2041.14	12.48	-6.63	11.29	671073.80	425472.38	32°10'06.717"N	103°46'49.667"W	0.10	
2134.70	0.210	226.050	2134.63	12.47	-6.84	11.05	671073.56	425472.17	32°10'06.715"N	103°46'49.670"W	0.04	
2228.20	0.160	212.600	2228.13	12.51	-7.06	10.85	671073.36	425471.94	32°10'06.712"N	103°46'49.672"W	-0.07	
2321.80	0.170	185.710	2321.73	12.64	-7.31	10.77	671073.28	425471.69	32°10'06.710"N	103°46'49.673"W	0.08	
2415.30	0.200	183.180	2415.23	12.85	-7.61	10.75	671073.26	425471.39	32°10'06.707"N	103°46'49.673"W	0.03	
2508.80	0.320	182.810	2508.73	13.15	-8.04	10.73	671073.23	425470.96	32°10'06.703"N	103°46'49.673"W	0.13	
2602.30	0.330	189.470	2602.23	13.50	-8.56	10.67	671073.18	425470.44	32°10'06.698"N	103°46'49.674"W	0.04	
2695.80	0.240	200.000	2695.73	13.76	-9.01	10.56	671073.07	425469.99	32°10'06.693"N	103°46'49.676"W	-0.11	
2789.30	0.120	212.710	2789.23	13.88	-9.28	10.44	671072.95	425469.72	32°10'06.691"N	103°46'49.677"W	0.13	
2882.90	0.030	301.990	2882.83	13.88	-9.35	10.36	671072.87	425469.65	32°10'06.690"N	103°46'49.678"W	0.13	
2976.40	0.070	85.230	2976.33	13.89	-9.33	10.40	671072.91	425469.67	32°10'06.690"N	103°46'49.677"W	0.10	
3069.90	0.170	83.480	3069.83	14.01	-9.31	10.59	671073.10	425469.69	32°10'06.690"N	103°46'49.675"W	0.11	
3163.40	0.380	94.660	3163.33	14.32	-9.32	11.04	671073.55	425469.68	32°10'06.690"N	103°46'49.670"W	0.23	
3256.90	0.510	102.400	3256.82	14.88	-9.43	11.76	671074.27	425469.57	32°10'06.689"N	103°46'49.662"W	0.15	
3350.50	0.510	106.770	3350.42	15.57	-9.64	12.56	671075.07	425469.36	32°10'06.687"N	103°46'49.652"W	0.04	
3444.00	0.420	108.500	3443.92	16.23	-9.87	13.29	671075.80	425469.13	32°10'06.685"N	103°46'49.644"W	0.10	
3537.50	0.510	108.730	3537.42	16.89	-10.12	14.00	671076.51	425468.88	32°10'06.682"N	103°46'49.635"W	0.10	
3631.00	0.730	114.110	3630.91	17.80	-10.49	14.94	671077.45	425468.51	32°10'06.678"N	103°46'49.625"W	0.24	
3724.60	0.740	119.660	3724.50	18.92	-11.04	16.01	671078.52	425467.97	32°10'06.673"N	103°46'49.612"W	0.08	
3818.10	0.610	124.360	3818.00	19.97	-11.61	16.95	671079.46	425467.39	32°10'06.667"N	103°46'49.601"W	0.15	
3911.60	0.660	133.450	3911.49	20.99	-12.27	17.75	671080.26	425466.73	32°10'06.661"N	103°46'49.592"W	0.12	
4005.10	0.860	144.150	4004.98	22.23	-13.21	18.55	671081.06	425465.80	32°10'06.651"N	103°46'49.583"W	0.26	
4098.60	0.840	147.100	4098.47	23.60	-14.35	19.33	671081.84	425464.65	32°10'06.640"N	103°46'49.574"W	0.05	



Actual Wellpath Report

No. 355H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No.355H SHL
Area	Eddy County, NM	Well	No.355H
Field	Poker Lake Unit	Wellbore	No. 355H AWB
Facility	Poker Lake Unit No. 355H		

WELLPATH DATA (173 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
4192 10	0 560	146 030	4191.96	24 73	-15.30	19 96	671082 47	425463.70	32°10'06.630"N	103°46'49 566"W	0 30	
4285 70	0 450	145.760	4285.56	25 55	-15 99	20 42	671082 93	425463 01	32°10'06 624"N	103°46'49 561"W	0 12	
4379 20	0 230	151 920	4379 06	26.10	-16 46	20 72	671083 23	425462 54	32°10'06 619"N	103°46'49 558"W	0 24	
4472 70	0 280	163 720	4472 56	26 48	-16 84	20 87	671083 38	425462 16	32°10'06 615"N	103°46'49 556"W	0 08	
4566.20	0.280	168.450	4566.06	26.89	-17.28	20.98	671083.49	425461.72	32°10'06.611"N	103°46'49 555"W	0.02	
4659 80	0 400	157 220	4659.66	27 39	-17 81	21 15	671083 66	425461 19	32°10'06 606"N	103°46'49 553"W	0 15	
4753 30	0 450	140 290	4753.15	28 07	-18 39	21 51	671084 02	425460 61	32°10'06 600"N	103°46'49 549"W	0 14	
4846 80	0 490	128 590	4846.65	28 83	-18 92	22 06	671084 57	425460 08	32°10'06 595"N	103°46'49 542"W	0 11	
4940.30	0 430	119 430	4940.15	29 56	-19.35	22 68	671085 19	425459 65	32°10'06 590"N	103°46'49 535"W	0 10	
5033.80	0.420	127.160	5033.64	30.22	-19.73	23.26	671085.77	425459.28	32°10'06.587"N	103°46'49 528"W	0.06	
5127 40	0 240	121 050	5127 24	30 75	-20 03	23 70	671086.21	425458 97	32°10'06 583"N	103°46'49 523"W	0 20	
5220 90	0 170	123.080	5220 74	31 07	-20.21	23 98	671086 49	425458 79	32°10'06 582"N	103°46'49 520"W	0 08	
5314 40	0 130	155.640	5314 24	31 31	-20.38	24 14	671086 65	425458 62	32°10'06 580"N	103°46'49 518"W	0 10	
5407 90	0 110	187.810	5407 74	31 46	-20.57	24 18	671086 68	425458 43	32°10'06.578"N	103°46'49 518"W	0 07	
5501.40	0.180	186.840	5501.24	31.62	-20.80	24.15	671086.65	425458.20	32°10'06.576"N	103°46'49 518"W	0.07	
5594 90	0 230	199.340	5594 74	31.81	-21.13	24 07	671086 57	425457 87	32°10'06 573"N	103°46'49 519"W	0 07	
5688 50	0 190	196.630	5688 34	31.98	-21 45	23 96	671086 47	425457 55	32°10'06 569"N	103°46'49 520"W	0 04	
5782 00	0 080	163 520	5781.84	32 12	-21 66	23.93	671086.44	425457 34	32°10'06 567"N	103°46'49 521"W	0 14	
5875 50	0 200	161 940	5875.34	32 32	-21 88	24.00	671086.51	425457.12	32°10'06 565"N	103°46'49 520"W	0 13	
5969.00	0.420	170.840	5968.84	32.76	-22.37	24.11	671086.62	425456.63	32°10'06.560"N	103°46'49 519"W	0.24	
6062.60	0 610	176.000	6062.43	33 44	-23 21	24.20	671086 71	425455.79	32°10'06 552"N	103°46'49 518"W	0 21	
6156.10	0 640	181.160	6155.93	34 21	-24 23	24.22	671086 73	425454 77	32°10'06.542"N	103°46'49 517"W	0 07	
6249 60	0 630	176 220	6249 42	35 00	-25 26	24 24	671086 75	425453.74	32°10'06.532"N	103°46'49 517"W	0 06	
6343 10	0 690	162 280	6342 92	35 92	-26 31	24 45	671086 96	425452 69	32°10'06 521"N	103°46'49 515"W	0 18	
6436.60	0.760	158.480	6436.41	37.01	-27.43	24.85	671087.36	425451.58	32°10'06.510"N	103°46'49 510"W	0.09	
6530 10	1 190	167 370	6529.90	38 44	-28 95	25 29	671087 80	425450 05	32°10'06 495"N	103°46'49 505"W	0 49	
6623 70	1 360	169 270	6623.47	40 23	-30.99	25 71	671088 22	425448 01	32°10'06 475"N	103°46'49 501"W	0 19	
6717 20	0 990	160 360	6716 95	41 93	-32 84	26 19	671088 69	425446 16	32°10'06 457"N	103°46'49 495"W	0 44	
6810 70	0 840	160 790	6810 44	43 31	-34 25	26 68	671089 19	425444 75	32°10'06 443"N	103°46'49 489"W	0 16	
6904.20	0.710	167.840	6903.93	44.44	-35.46	27.03	671089.54	425443.54	32°10'06.431"N	103°46'49 485"W	0.17	
6997 80	0 770	170 300	6997.52	45 47	-36 65	27 26	671089 77	425442.35	32°10'06 419"N	103°46'49 483"W	0 07	
7091.30	0 740	159 840	7091 02	46 56	-37 84	27 57	671090 08	425441.17	32°10'06 407"N	103°46'49 479"W	0 15	
7184 80	0 680	161 410	7184.51	47 63	-38 93	27 96	671090 47	425440.07	32°10'06 396"N	103°46'49 475"W	0 07	
7278.30	0 810	161 020	7278 00	48 75	-40.08	28 35	671090 86	425438.92	32°10'06 385"N	103°46'49 470"W	0 14	
7371.80	0.960	160.480	7371.49	50.08	-41.44	28.83	671091.33	425437.56	32°10'06.371"N	103°46'49 465"W	0.16	
7465 40	1 070	156 470	7465 07	51 64	-42.98	29 44	671091 95	425436.02	32°10'06.356"N	103°46'49 458"W	0 14	
7558 90	1.060	154 510	7558 56	53.29	-44.56	30 16	671092.67	425434 44	32°10'06.340"N	103°46'49 450"W	0 04	
7595 00	1.200	149 100	7594 65	53.98	-45.19	30 50	671093.00	425433 81	32°10'06 334"N	103°46'49 446"W	0 49	
7626 00	2 800	143 000	7625 63	55.06	-46.07	31 12	671093.63	425432.93	32°10'06 325"N	103°46'49 439"W	5 20	
7657.00	5.400	140.600	7656.55	57.27	-47.81	32.50	671095.01	425431.20	32°10'06.308"N	103°46'49 423"W	8.40	
7689.00	8.300	138 800	7688 32	61.08	-50 71	34 98	671097.49	425428 30	32°10'06.279"N	103°46'49 394"W	9 09	
7720 00	11 700	139.300	7718.84	66 46	-54.77	38.50	671101.01	425424 23	32°10'06 239"N	103°46'49 353"W	10 97	
7751 00	15 100	139 100	7748.99	73 65	-60 21	43 20	671105.70	425418 79	32°10'06 185"N	103°46'49 299"W	10 97	
7783.00	18 900	137 900	7779 59	83 00	-67 21	49 40	671111 91	425411 79	32°10'06 115"N	103°46'49 227"W	11 92	
7815.00	22.500	137.700	7809.52	94.31	-75.59	57.00	671119.51	425403 42	32°10'06.032"N	103°46'49 139"W	11 25	



Actual Wellpath Report

No. 355H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No.355H SHL
Area	Eddy County, NM	Well	No.355H
Field	Poker Lake Unit	Wellbore	No. 355H AWB
Facility	Poker Lake Unit No. 355H		

WELLPATH DATA (173 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
7846.00	26.600	137.100	7837.71	107.19	-85.06	65.72	671128.23	425393.94	32°10'05.938"N	103°46'49.038"W	13.25	
7878.00	30.600	137.400	7865.80	122.50	-96.31	76.11	671138.62	425382.70	32°10'05.826"N	103°46'48.918"W	12.51	
7909.00	34.700	137.300	7891.90	139.22	-108.61	87.44	671149.95	425370.40	32°10'05.704"N	103°46'48.787"W	13.23	
7940.00	38.800	137.600	7916.73	157.76	-122.27	99.98	671162.49	425356.74	32°10'05.568"N	103°46'48.642"W	13.24	
7972.00	42.300	137.000	7941.04	178.56	-137.55	114.09	671176.59	425341.45	32°10'05.416"N	103°46'48.479"W	11.01	
8004.00	46.200	137.300	7963.96	200.88	-153.92	129.27	671191.77	425325.09	32°10'05.253"N	103°46'48.303"W	12.21	
8035.00	50.100	137.400	7984.64	223.97	-170.90	144.91	671207.42	425308.11	32°10'05.084"N	103°46'48.122"W	12.58	
8065.00	53.400	137.700	8003.21	247.53	-188.29	160.81	671223.31	425290.72	32°10'04.912"N	103°46'47.938"W	11.03	
8097.00	57.500	137.700	8021.35	273.88	-207.78	178.55	671241.05	425271.24	32°10'04.718"N	103°46'47.733"W	12.81	
8129.00	58.800	137.800	8038.24	301.06	-227.90	196.82	671259.32	425251.12	32°10'04.518"N	103°46'47.522"W	4.07	
8160.00	58.900	137.400	8054.27	327.59	-247.49	214.71	671277.21	425231.53	32°10'04.323"N	103°46'47.315"W	1.15	
8191.00	58.500	136.900	8070.38	354.07	-266.91	232.73	671295.22	425212.11	32°10'04.130"N	103°46'47.106"W	1.89	
8221.00	57.900	136.900	8086.19	379.56	-285.52	250.15	671312.64	425193.49	32°10'03.945"N	103°46'46.905"W	2.00	
8288.00	62.500	137.300	8119.48	437.68	-328.11	289.71	671352.20	425150.91	32°10'03.521"N	103°46'46.447"W	6.89	
8319.00	68.200	135.900	8132.40	465.84	-348.56	309.07	671371.56	425130.46	32°10'03.318"N	103°46'46.223"W	18.84	
8351.00	74.500	135.800	8142.63	496.12	-370.31	330.17	671392.66	425108.72	32°10'03.102"N	103°46'45.979"W	19.69	
8383.00	80.600	136.100	8149.52	527.33	-392.75	351.89	671414.38	425086.27	32°10'02.879"N	103°46'45.728"W	19.08	
8414.00	82.100	136.700	8154.19	557.97	-414.95	373.02	671435.51	425064.08	32°10'02.658"N	103°46'45.483"W	5.20	
8446.00	83.000	137.400	8158.34	589.69	-438.17	394.64	671457.13	425040.85	32°10'02.427"N	103°46'45.233"W	3.55	
8479.00	85.200	138.000	8161.73	622.52	-462.45	416.73	671479.22	425016.58	32°10'02.186"N	103°46'44.978"W	6.91	
8539.00	91.000	138.900	8163.72	682.45	-507.31	456.49	671518.97	424971.72	32°10'01.740"N	103°46'44.518"W	9.78	
8635.00	91.000	138.500	8162.04	778.43	-579.42	519.84	671582.32	424899.62	32°10'01.023"N	103°46'43.785"W	0.42	
8731.00	91.000	138.100	8160.37	874.42	-651.09	583.69	671646.17	424827.95	32°10'00.310"N	103°46'43.047"W	0.42	
8826.00	91.800	137.800	8158.04	969.39	-721.61	647.30	671709.77	424757.44	32°09'59.609"N	103°46'42.311"W	0.90	
8922.00	90.200	137.900	8156.37	1065.37	-792.77	711.71	671774.18	424686.28	32°09'58.902"N	103°46'41.566"W	1.67	
9017.00	89.900	137.600	8156.29	1160.37	-863.09	775.59	671838.05	424615.96	32°09'58.203"N	103°46'40.827"W	0.45	
9111.00	90.100	138.100	8156.29	1254.37	-932.78	838.67	671901.13	424546.28	32°09'57.510"N	103°46'40.097"W	0.57	
9207.00	88.500	138.300	8157.46	1350.36	-1004.34	902.65	671965.10	424474.72	32°09'56.799"N	103°46'39.357"W	1.68	
9302.00	89.600	139.000	8159.03	1445.33	-1075.64	965.40	672027.85	424403.42	32°09'56.090"N	103°46'38.632"W	1.37	
9398.00	88.400	136.800	8160.71	1541.31	-1146.85	1029.75	672092.19	424332.21	32°09'55.382"N	103°46'37.887"W	2.61	
9494.00	88.200	136.300	8163.56	1637.24	-1216.52	1095.74	672158.18	424262.56	32°09'54.689"N	103°46'37.124"W	0.56	
9590.00	88.600	137.800	8166.24	1733.19	-1286.75	1161.12	672223.56	424192.32	32°09'53.991"N	103°46'36.368"W	1.62	
9685.00	89.900	137.000	8167.48	1828.17	-1356.67	1225.42	672287.85	424122.41	32°09'53.296"N	103°46'35.624"W	1.61	
9780.00	89.500	136.300	8167.98	1923.14	-1425.75	1290.63	672353.06	424053.33	32°09'52.609"N	103°46'34.869"W	0.85	
9874.00	91.400	137.200	8167.24	2017.11	-1494.22	1355.03	672417.46	423984.87	32°09'51.928"N	103°46'34.124"W	2.24	
9970.00	90.900	136.200	8165.31	2113.07	-1564.07	1420.85	672483.28	423915.03	32°09'51.233"N	103°46'33.363"W	1.16	
10064.00	91.100	137.700	8163.67	2207.04	-1632.75	1485.01	672547.43	423846.35	32°09'50.550"N	103°46'32.621"W	1.61	
10160.00	90.800	137.800	8162.08	2303.02	-1703.80	1549.55	672611.97	423775.30	32°09'49.844"N	103°46'31.874"W	0.33	
10256.00	90.300	139.200	8161.16	2399.01	-1775.69	1613.16	672675.57	423703.41	32°09'49.129"N	103°46'31.139"W	1.55	
10350.00	90.300	140.100	8160.67	2492.97	-1847.33	1674.01	672736.43	423631.78	32°09'48.417"N	103°46'30.435"W	0.96	
10446.00	87.400	139.300	8162.59	2588.90	-1920.52	1736.09	672798.49	423558.59	32°09'47.690"N	103°46'29.717"W	3.13	
10541.00	87.600	140.500	8166.74	2683.75	-1993.12	1797.22	672859.62	423486.00	32°09'46.968"N	103°46'29.011"W	1.28	
10638.00	88.800	140.700	8169.79	2780.60	-2068.03	1858.76	672921.16	423411.09	32°09'46.224"N	103°46'28.299"W	1.25	
10734.00	89.800	139.800	8170.96	2876.51	-2141.84	1920.14	672982.53	423337.29	32°09'45.490"N	103°46'27.590"W	1.40	
10828.00	90.500	138.300	8170.71	2970.49	-2212.83	1981.74	673044.13	423266.30	32°09'44.785"N	103°46'26.878"W	1.76	



Actual Wellpath Report

No. 355H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.355H SHL
Area	Eddy County, NM	Well	No.355H
Field	Poker Lake Unit	Wellbore	No. 355H AWB
Facility	Poker Lake Unit No. 355H		

WELLPATH DATA (173 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
10924.00	91.200	138.800	8169.29	3066.48	-2284.78	2045.28	673107.67	423194.36	32°09'44.070"N	103°46'26.143"W	0.90	
11018.00	89.700	136.400	8168.55	3160.46	-2354.18	2108.66	673171.04	423124.96	32°09'43.379"N	103°46'25.410"W	3.01	
11114.00	90.300	136.400	8168.55	3256.42	-2423.70	2174.86	673237.24	423055.44	32°09'42.688"N	103°46'24.644"W	0.62	
11210.00	87.800	135.300	8170.14	3352.34	-2492.57	2241.71	673304.09	422986.58	32°09'42.003"N	103°46'23.870"W	2.85	
11305.00	86.800	134.100	8174.62	3447.07	-2559.31	2309.16	673371.54	422919.84	32°09'41.339"N	103°46'23.090"W	1.64	
11400.00	87.400	134.600	8179.42	3541.76	-2625.64	2377.01	673439.38	422853.52	32°09'40.679"N	103°46'22.305"W	0.82	
11496.00	88.700	135.800	8182.69	3637.59	-2693.71	2444.61	673506.98	422785.45	32°09'40.002"N	103°46'21.522"W	1.84	
11591.00	90.400	136.400	8183.44	3732.53	-2762.16	2510.48	673572.84	422717.00	32°09'39.322"N	103°46'20.760"W	1.90	
11686.00	90.700	137.200	8182.52	3827.51	-2831.41	2575.51	673637.86	422647.76	32°09'38.633"N	103°46'20.008"W	0.90	
11781.00	91.900	139.000	8180.37	3922.48	-2902.10	2638.93	673701.29	422577.08	32°09'37.930"N	103°46'19.275"W	2.28	
11876.00	91.900	140.200	8177.22	4017.39	-2974.40	2700.47	673762.82	422504.77	32°09'37.212"N	103°46'18.563"W	1.26	
11972.00	90.500	141.500	8175.21	4113.24	-3048.83	2761.06	673823.41	422430.35	32°09'36.472"N	103°46'17.863"W	1.99	
12067.00	90.200	141.800	8174.63	4208.04	-3123.33	2820.00	673882.35	422355.85	32°09'35.732"N	103°46'17.182"W	0.45	
12162.00	89.900	142.500	8174.54	4302.79	-3198.34	2878.30	673940.63	422280.85	32°09'34.986"N	103°46'16.508"W	0.80	
12258.00	87.800	141.600	8176.47	4398.52	-3274.02	2937.32	673999.65	422205.17	32°09'34.235"N	103°46'15.826"W	2.38	
12353.00	86.400	140.500	8181.28	4493.26	-3347.81	2996.96	674059.29	422131.39	32°09'33.501"N	103°46'15.137"W	1.87	
12449.00	86.000	136.700	8187.64	4589.02	-3419.65	3060.29	674122.62	422059.56	32°09'32.787"N	103°46'14.405"W	3.97	
12544.00	86.800	137.100	8193.61	4683.82	-3488.88	3125.08	674187.40	421990.33	32°09'32.099"N	103°46'13.655"W	0.94	
12639.00	88.100	135.600	8197.83	4778.68	-3557.54	3190.58	674252.90	421921.67	32°09'31.416"N	103°46'12.898"W	2.09	
12735.00	89.100	135.000	8200.18	4874.55	-3625.76	3258.09	674320.40	421853.46	32°09'30.737"N	103°46'12.117"W	1.21	
12831.00	89.600	134.800	8201.27	4970.40	-3693.52	3326.08	674388.39	421785.70	32°09'30.063"N	103°46'11.330"W	0.56	
12927.00	90.800	135.200	8200.93	5066.27	-3761.40	3393.96	674456.27	421717.83	32°09'29.388"N	103°46'10.544"W	1.32	
13022.00	92.000	135.800	8198.61	5161.15	-3829.13	3460.53	674522.83	421650.09	32°09'28.714"N	103°46'09.774"W	1.41	
13118.00	93.700	137.400	8193.84	5257.00	-3898.79	3526.40	674588.70	421580.44	32°09'28.022"N	103°46'09.012"W	2.43	
13213.00	93.100	139.600	8188.20	5351.82	-3969.82	3589.24	674651.53	421509.42	32°09'27.316"N	103°46'08.286"W	2.40	
13308.00	91.300	140.300	8184.56	5446.69	-4042.48	3650.32	674712.61	421436.76	32°09'26.593"N	103°46'07.580"W	2.03	
13404.00	89.300	139.200	8184.05	5542.63	-4115.74	3712.34	674774.63	421363.50	32°09'25.865"N	103°46'06.863"W	2.38	
13499.00	89.100	139.000	8185.38	5637.61	-4187.54	3774.53	674836.82	421291.71	32°09'25.151"N	103°46'06.144"W	0.30	
13595.00	90.400	138.500	8185.80	5733.59	-4259.72	3837.83	674900.11	421219.54	32°09'24.434"N	103°46'05.412"W	1.45	
13690.00	90.100	138.900	8185.39	5828.59	-4331.09	3900.53	674962.81	421148.17	32°09'23.725"N	103°46'04.687"W	0.53	
13786.00	86.900	138.100	8187.90	5924.54	-4402.95	3964.11	675026.38	421076.31	32°09'23.010"N	103°46'03.952"W	3.44	
13881.00	86.400	136.400	8193.45	6019.36	-4472.59	4028.48	675090.75	421006.68	32°09'22.318"N	103°46'03.207"W	1.86	
13977.00	88.000	136.400	8198.14	6115.21	-4542.03	4094.60	675156.87	420937.24	32°09'21.627"N	103°46'02.442"W	1.67	
14073.00	88.800	136.000	8200.82	6211.12	-4611.29	4161.02	675223.29	420867.99	32°09'20.938"N	103°46'01.674"W	0.93	
14166.00	90.000	136.000	8201.79	6304.06	-4678.18	4225.62	675287.88	420801.10	32°09'20.273"N	103°46'00.927"W	1.29	
14261.00	90.900	135.300	8201.05	6398.98	-4746.11	4292.03	675354.28	420733.17	32°09'19.597"N	103°46'00.159"W	1.20	
14337.00	91.700	135.200	8199.32	6474.87	-4800.07	4345.52	675407.77	420679.22	32°09'19.061"N	103°45'59.540"W	1.06	
14395.00	91.700	135.200	8197.60	6532.78	-4841.21	4386.37	675448.62	420638.08	32°09'18.651"N	103°45'59.067"W	0.00	Proj to Bit



Actual Wellpath Report

No. 355H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No.355H SHL
Area	Eddy County, NM	Well	No.355H
Field	Poker Lake Unit	Wellbore	No. 355H AWB
Facility	Poker Lake Unit No. 355H		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
No.355H Target #1		8134.00	-545.96	492.09	671554.57	424933.07	32°10'01.355"N	103°46'44.106"W	point
No.355H Target #2		8189.00	-3456.33	3115.15	674177.48	422022.87	32°09'32.421"N	103°46'13.769"W	point
No.355H PBHL		8205.00	-4857.29	4377.95	675440.20	420622.00	32°09'18.493"N	103°45'59.166"W	point

WELLPATH COMPOSITION - Ref Wellbore: No. 355H AWB					Ref Wellpath: No. 355H AWP	
Start MD [ft]	End MD [ft]	Positional Uncertainty Model			Log Name/Comment	Wellbore
0.00	7558.90	Genenc gyro - northseeking (Standard)			Gyrodata / Gyros <77.3-7558 9>	No. 355H AWB
7558.90	14337.00	NaviTrak (Standard)			BHI / Navitrak MWD 8-3/4" - <7595-xxxx>	No. 355H AWB
14337.00	14395.00	Blind Drilling (std)			Projection to bit	No. 355H AWB