

1625 N. French Dr., Hobbs, NM 88240

1301 W Grand Avenue, Artesia, NM 88210

1000 Rio Brazos Rd., Aztec, NM 87410

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102

Revised July 16, 2010

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-39166	Pool Code 96047	Pool Name Poker Lake SW (Delaware)
Property Code 306402	Property Name POKER LAKE UNIT	Well Number 315H
OGRID No. 260737	Operator Name BOPCO, L.P.	Elevation 3474'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	13	24 S	30 E		1650	NORTH	710	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	11	24 S	30 E		1582	NORTH	1128	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
280			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

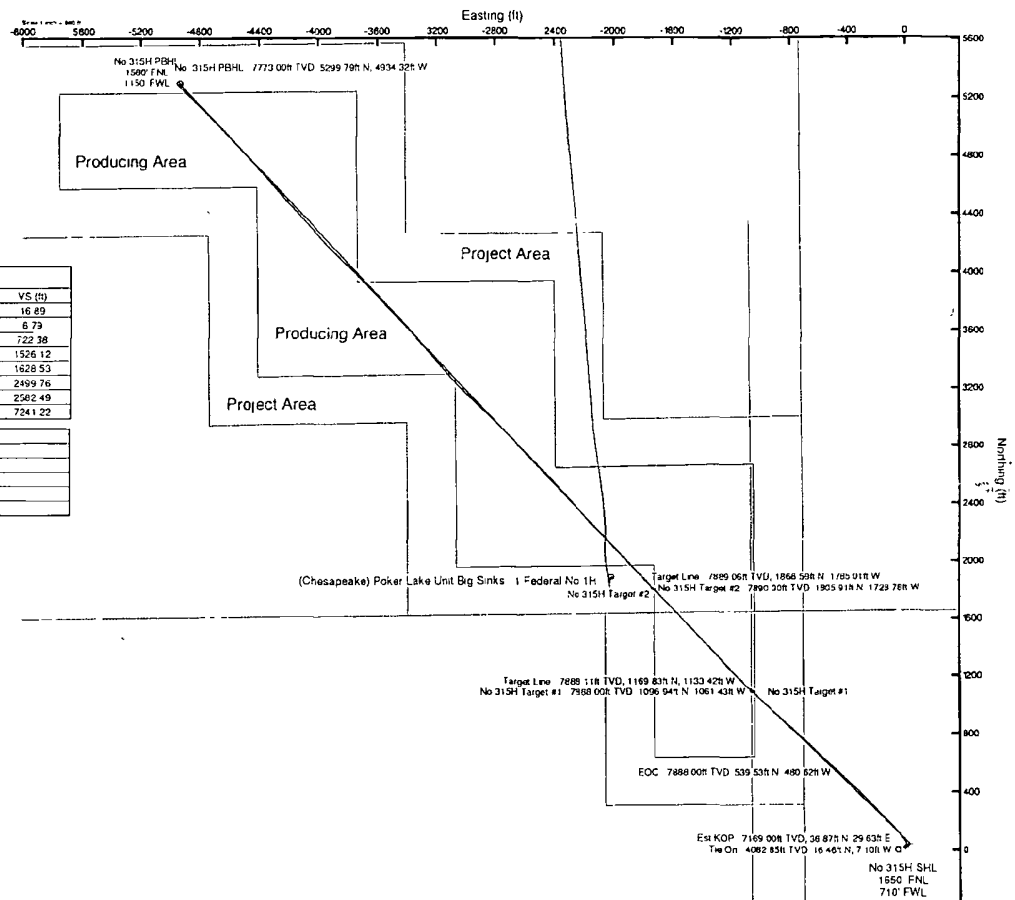
OPERATOR CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.	
Sandra J. Belt Signature	12-29-11 Date
Sandra J. Belt Printed Name	
Email Address _____	
SURVEYOR CERTIFICATION	
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.	
Date Surveyed	OCT 17 2011
Signature & Seal of Professional Surveyor	[Seal of Gary L. Jones, State of New Mexico, No. 7977]
Certificate No.	Gary L. Jones 7977
BASIN SURVEYS 24656	



BOPCO, L.P.

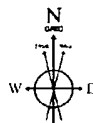
Location Eddy County, NM
Field Poker Lake Unit
Facility Poker Lake Unit No. 315H

Slot No 315H SHL
Well No 315H
Wellbore No 315H PWB

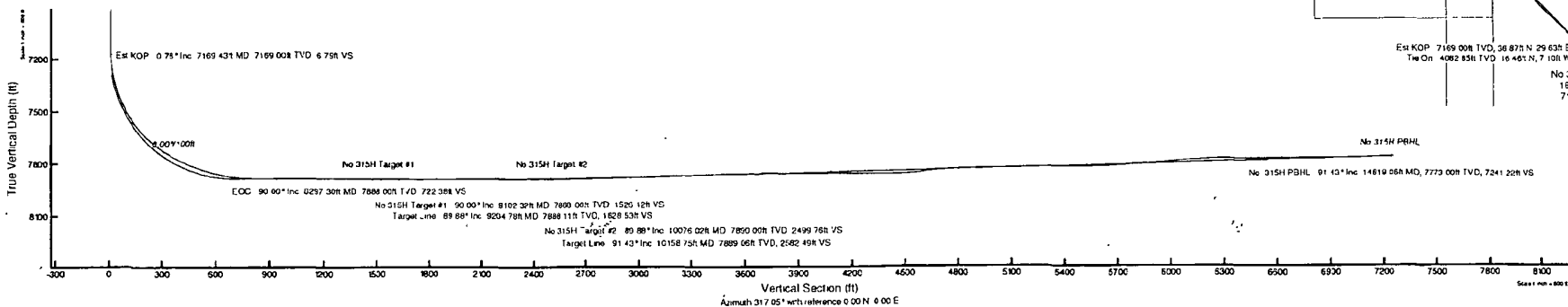


Well Profile Data							
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	VS (ft)
Tie On	4083.00	0.780	60.950	4082.85	16.46	-7.10	16.89
Est KOP	7169.43	0.780	60.950	7169.00	36.87	29.83	6.79
EOC	6297.30	93.000	313.822	7888.00	539.53	-480.62	722.38
No 315H Target #1	9102.32	93.000	313.822	7888.00	1096.94	-106.43	1526.12
Target Line	9204.78	89.876	316.894	7888.11	1169.83	1133.42	1628.53
No 315H Target #2	10075.02	89.876	316.894	7890.00	1805.91	-1728.78	2499.76
Target Line	10158.75	91.427	317.470	7889.06	1860.59	-1785.01	2582.49
No 315H PBHL	11819.06	91.427	317.470	7773.00	5299.79	-4934.32	7241.22

Plot reference wellpath is Plot #1	
True vertical depths are referenced to Rig on No 315H SHL (KB)	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US Feet
Measured depths are referenced to Rig on No 315H SHL (KB)	North Reference: Grid North
Rig on No 315H SHL (KB) to Mean Sea Level: 3497 feet	Scale: True distance
Mean Sea Level to Mudline (At Slot No 315H SHL): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: garth on 8/12/2011



BGM (1845 9 to 2012 0) Dip 50.14° True 48620.1 NT
Magnetic North is 7.78 degrees East of True North (at 4/20/2011)
Grid North is 0.25 degrees East of True North
To correct Azimuth from True to Grid subtract 0.25 degrees
To correct Azimuth from Magnetic to Grid add 7.51 degrees
For example: if the Magnetic North Azimuth = 90 degrees then the Grid North Azimuth = 90 + 7.51 = 97.51



30-015-39166



Actual Wellpath Report

No. 315H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.315H SHL
Area	Eddy County, NM	Well	No.315H
Field	Poker Lake Unit	Wellbore	No. 315H AWB
Facility	Poker Lake Unit No. 315H		

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	0.999936	Report Generated	9/6/2011 at 7:57:03 AM
Convergence at slot	0.26° East	Database/Source file	WA Midland/No._315H_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.09	49.95	652513.56	444288.43	32°13'13.814"N	103°50'24.592"W
Facility Reference Pt			652463.61	444288.34	32°13'13.815"N	103°50'25.173"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.315H SHL (KB) to Facility Vertical Datum	3497.00ft
Horizontal Reference Pt	Slot	Rig on No.315H SHL (KB) to Mean Sea Level	3497.00ft
Vertical Reference Pt	Rig on No.315H SHL (KB)	Rig on No.315H SHL (KB) to Mud Line at Slot (No.315H SHL)	3497.00ft
MD Reference Pt	Rig on No.315H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	317.05°



Actual Wellpath Report

No. 315H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.315H SHL
Area	Eddy County, NM	Well	No.315H
Field	Poker Lake Unit	Wellbore	No. 315H AWB
Facility	Poker Lake Unit No. 315H		

WELLPATH DATA (174 stations) † = interpolated/extrapolated station

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	88.370	0.00	0.00	0.00	0.00	652513.56	444288.43	32°13'13.814"N	103°50'24.592"W	0.00	
19.00	0.000	88.370	19.00	0.00	0.00	0.00	652513.56	444288.43	32°13'13.814"N	103°50'24.592"W	0.00	
100.00	0.190	88.370	100.00	-0.09	0.00	0.13	652513.69	444288.43	32°13'13.814"N	103°50'24.590"W	0.23	
200.00	0.250	66.760	200.00	-0.27	0.09	0.50	652514.06	444288.52	32°13'13.815"N	103°50'24.586"W	0.10	
300.00	0.410	311.050	300.00	-0.25	-0.24	0.63	652514.19	444288.67	32°13'13.816"N	103°50'24.585"W	0.31	
400.00	0.240	332.020	400.00	0.05	0.49	0.46	652514.02	444288.92	32°13'13.819"N	103°50'24.587"W	0.14	
500.00	0.270	338.480	500.00	0.47	0.90	0.27	652513.83	444289.33	32°13'13.823"N	103°50'24.589"W	0.04	
600.00	0.180	331.010	600.00	0.84	1.25	0.11	652513.67	444289.68	32°13'13.826"N	103°50'24.591"W	0.09	
700.00	0.280	344.780	700.00	1.21	1.63	-0.03	652513.53	444290.06	32°13'13.830"N	103°50'24.592"W	0.11	
800.00	0.580	344.570	799.99	1.88	2.35	-0.23	652513.33	444290.78	32°13'13.837"N	103°50'24.595"W	0.30	
900.00	0.560	312.430	899.99	2.81	3.17	-0.72	652512.84	444291.60	32°13'13.845"N	103°50'24.600"W	0.32	
1000.00	0.330	294.670	999.99	3.56	3.62	-1.35	652512.21	444292.05	32°13'13.850"N	103°50'24.608"W	0.27	
1100.00	0.550	311.150	1099.98	4.31	4.05	-1.97	652511.59	444292.48	32°13'13.854"N	103°50'24.615"W	0.25	
1200.00	0.490	325.820	1199.98	5.21	4.72	-2.57	652510.99	444293.15	32°13'13.861"N	103°50'24.622"W	0.15	
1300.00	0.500	324.010	1299.97	6.06	5.43	-3.07	652510.49	444293.86	32°13'13.868"N	103°50'24.627"W	0.02	
1400.00	0.570	325.200	1399.97	6.99	6.19	-3.61	652509.95	444294.62	32°13'13.876"N	103°50'24.634"W	0.07	
1500.00	0.530	324.900	1499.97	7.94	6.98	-4.16	652509.40	444295.41	32°13'13.883"N	103°50'24.640"W	0.04	
1600.00	0.650	302.900	1599.96	8.95	7.66	-4.90	652508.66	444296.09	32°13'13.890"N	103°50'24.649"W	0.25	
1700.00	0.600	321.080	1699.95	10.02	8.38	-5.71	652507.86	444296.81	32°13'13.897"N	103°50'24.658"W	0.20	
1800.00	0.600	296.590	1799.95	11.03	9.02	-6.50	652507.06	444297.45	32°13'13.904"N	103°50'24.667"W	0.25	
1900.00	0.450	322.580	1899.94	11.91	9.57	-7.21	652506.35	444298.00	32°13'13.909"N	103°50'24.675"W	0.28	
2000.00	0.460	314.220	1999.94	12.71	10.16	-7.74	652505.83	444298.59	32°13'13.915"N	103°50'24.682"W	0.07	
2100.00	0.150	301.560	2099.94	13.23	10.51	-8.13	652505.43	444298.94	32°13'13.918"N	103°50'24.686"W	0.32	
2200.00	0.230	332.670	2199.94	13.55	10.75	-8.34	652505.22	444299.18	32°13'13.921"N	103°50'24.689"W	0.13	
2300.00	0.210	289.430	2299.94	13.91	10.99	-8.60	652504.96	444299.42	32°13'13.923"N	103°50'24.692"W	0.16	
2400.00	0.360	275.010	2399.94	14.30	11.08	-9.09	652504.47	444299.51	32°13'13.924"N	103°50'24.697"W	0.17	
2500.00	0.300	284.800	2499.94	14.76	11.18	-9.66	652503.91	444299.61	32°13'13.925"N	103°50'24.704"W	0.08	
2600.00	0.540	293.050	2599.93	15.41	11.43	-10.34	652503.22	444299.86	32°13'13.928"N	103°50'24.712"W	0.25	
2700.00	0.230	284.620	2699.93	16.01	11.66	-10.97	652502.59	444300.09	32°13'13.930"N	103°50'24.719"W	0.31	
2800.00	0.550	324.500	2799.93	16.66	12.10	-11.44	652502.12	444300.53	32°13'13.934"N	103°50'24.725"W	0.40	
2900.00	0.450	316.710	2899.92	17.53	12.78	-11.99	652501.57	444301.21	32°13'13.941"N	103°50'24.731"W	0.12	
3000.00	0.540	347.350	2999.92	18.32	13.53	-12.36	652501.20	444301.96	32°13'13.949"N	103°50'24.735"W	0.28	
3100.00	0.580	330.020	3099.92	19.22	14.42	-12.72	652500.84	444302.85	32°13'13.957"N	103°50'24.739"W	0.17	
3200.00	0.500	319.000	3199.91	20.15	15.19	-13.26	652500.30	444303.62	32°13'13.965"N	103°50'24.746"W	0.13	
3300.00	0.600	330.370	3299.91	21.10	15.98	-13.80	652499.76	444304.41	32°13'13.973"N	103°50'24.752"W	0.15	
3400.00	0.560	354.830	3399.90	22.00	16.92	-14.11	652499.45	444305.35	32°13'13.982"N	103°50'24.755"W	0.25	
3500.00	0.830	64.000	3499.90	22.17	17.72	-13.50	652500.06	444306.15	32°13'13.990"N	103°50'24.748"W	0.82	
3600.00	0.620	65.910	3599.89	21.78	18.26	-12.35	652501.21	444306.69	32°13'13.995"N	103°50'24.735"W	0.21	
3700.00	0.530	121.710	3699.88	21.16	18.24	-11.47	652502.09	444306.67	32°13'13.995"N	103°50'24.725"W	0.54	
3800.00	0.790	123.750	3799.88	20.05	17.61	-10.50	652503.06	444306.04	32°13'13.989"N	103°50'24.713"W	0.26	
3900.00	1.010	120.730	3899.87	18.53	16.78	-9.17	652504.39	444305.21	32°13'13.981"N	103°50'24.698"W	0.22	
4000.00	0.520	99.640	3999.86	17.32	16.25	-7.96	652505.60	444304.68	32°13'13.975"N	103°50'24.684"W	0.56	
4083.00	0.780	60.950	4082.85	16.89	16.46	-7.10	652506.46	444304.89	32°13'13.977"N	103°50'24.674"W	0.60	
4174.00	0.600	354.300	4173.85	17.12	17.24	-6.61	652506.96	444305.67	32°13'13.985"N	103°50'24.668"W	0.85	
4237.00	0.400	6.400	4236.84	17.52	17.79	-6.61	652506.95	444306.22	32°13'13.990"N	103°50'24.668"W	0.36	



Actual Wellpath Report

No. 315H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.315H SHL
Area	Eddy County, NM	Well	No.315H
Field	Poker Lake Unit	Wellbore	No. 315H AWP
Facility	Poker Lake Unit No. 315H		

WELLPATH DATA (174 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
4427.00	0.600	21.100	4426.84	18.39	19.37	-6.18	652507.38	444307.80	32°13'14.006"N	103°50'24.663"W	0.12	
4617.00	0.900	16.800	4616.82	19.58	21.73	-5.39	652508.17	444310.16	32°13'14.029"N	103°50'24.654"W	0.16	
4807.00	1.000	22.400	4806.79	21.02	24.69	-4.33	652509.23	444313.12	32°13'14.059"N	103°50'24.641"W	0.07	
5092.00	1.300	218.300	5091.77	21.57	24.45	-5.39	652508.18	444312.88	32°13'14.056"N	103°50'24.653"W	0.80	
5377.00	0.800	76.100	5376.75	20.11	22.59	-5.46	652508.10	444310.82	32°13'14.036"N	103°50'24.654"W	0.70	
5662.00	0.800	80.000	5661.72	18.06	23.22	-1.57	652511.99	444311.65	32°13'14.044"N	103°50'24.609"W	0.02	
5947.00	0.800	76.100	5946.70	16.01	24.04	2.32	652515.88	444312.47	32°13'14.052"N	103°50'24.564"W	0.02	
6232.00	0.800	82.800	6231.67	13.88	24.77	6.23	652519.79	444313.20	32°13'14.059"N	103°50'24.518"W	0.03	
6517.00	0.900	118.600	6516.64	10.60	23.95	10.17	652523.73	444312.37	32°13'14.051"N	103°50'24.472"W	0.19	
6800.00	0.800	120.900	6799.61	6.59	21.87	13.82	652527.37	444310.30	32°13'14.030"N	103°50'24.430"W	0.04	
6987.00	0.800	138.600	6986.59	4.03	20.22	15.80	652529.36	444308.65	32°13'14.013"N	103°50'24.407"W	0.13	
7018.00	0.900	135.800	7017.59	3.57	19.88	16.11	652529.67	444308.31	32°13'14.010"N	103°50'24.403"W	0.35	
7048.00	0.700	125.100	7047.58	3.16	19.61	16.43	652529.98	444308.04	32°13'14.007"N	103°50'24.400"W	0.83	
7079.00	0.600	115.800	7078.58	2.82	19.43	16.73	652530.29	444307.86	32°13'14.006"N	103°50'24.396"W	0.47	
7111.00	0.400	72.800	7110.58	2.62	19.39	16.98	652530.54	444307.82	32°13'14.005"N	103°50'24.393"W	1.28	
7143.00	1.600	336.100	7142.58	2.99	19.83	16.91	652530.47	444308.26	32°13'14.010"N	103°50'24.394"W	5.29	
7174.00	3.700	329.400	7173.54	4.38	21.09	16.23	652529.78	444309.51	32°13'14.022"N	103°50'24.402"W	6.84	
7206.00	5.700	331.000	7205.43	6.93	23.36	14.93	652528.49	444311.79	32°13'14.045"N	103°50'24.417"W	6.26	
7237.00	7.400	330.600	7236.23	10.36	26.45	13.20	652526.76	444314.88	32°13'14.075"N	103°50'24.437"W	5.49	
7269.00	9.700	330.900	7267.87	14.98	30.60	10.88	652524.44	444319.03	32°13'14.116"N	103°50'24.464"W	7.19	
7301.00	11.900	330.900	7299.30	20.81	35.84	7.96	652521.52	444324.27	32°13'14.168"N	103°50'24.497"W	6.87	
7331.00	14.200	329.800	7328.52	27.40	41.72	4.61	652518.17	444330.15	32°13'14.227"N	103°50'24.536"W	7.71	
7362.00	16.500	328.600	7358.42	35.42	48.77	0.40	652513.96	444337.20	32°13'14.297"N	103°50'24.585"W	7.49	
7394.00	18.800	327.200	7388.91	44.95	56.98	-4.76	652508.80	444345.41	32°13'14.378"N	103°50'24.644"W	7.31	
7425.00	21.500	326.700	7418.01	55.47	65.93	-10.59	652502.97	444354.36	32°13'14.467"N	103°50'24.712"W	8.93	
7456.00	24.000	325.600	7446.59	67.31	75.88	-17.27	652496.29	444364.31	32°13'14.566"N	103°50'24.789"W	8.18	
7488.00	26.700	325.000	7475.51	80.86	87.14	-25.07	652488.49	444375.57	32°13'14.678"N	103°50'24.879"W	8.48	
7519.00	29.400	324.200	7502.87	95.31	99.02	-33.52	652480.05	444387.45	32°13'14.795"N	103°50'24.977"W	8.79	
7551.00	32.300	322.900	7530.34	111.61	112.22	-43.27	652470.29	444400.64	32°13'14.926"N	103°50'25.090"W	9.30	
7581.00	34.800	320.700	7555.34	128.13	125.24	-53.53	652460.03	444413.66	32°13'15.056"N	103°50'25.208"W	9.27	
7612.00	37.400	318.900	7580.38	146.38	139.18	-65.32	652448.24	444427.60	32°13'15.194"N	103°50'25.345"W	9.06	
7643.00	40.100	317.400	7604.56	165.77	153.62	-78.27	652435.29	444442.04	32°13'15.338"N	103°50'25.495"W	9.22	
7674.00	42.400	315.300	7627.87	186.21	168.41	-92.39	652421.18	444456.82	32°13'15.485"N	103°50'25.658"W	8.66	
7705.00	45.900	314.800	7650.11	207.78	183.68	-107.64	652405.93	444472.10	32°13'15.637"N	103°50'25.835"W	11.35	
7737.00	48.800	314.500	7671.78	231.30	200.22	-124.38	652389.19	444488.64	32°13'15.801"N	103°50'26.029"W	9.09	
7768.00	51.300	314.900	7691.69	255.04	216.94	-141.27	652372.30	444505.35	32°13'15.967"N	103°50'26.225"W	8.12	
7799.00	53.600	315.400	7710.58	279.60	234.36	-158.60	652354.97	444522.77	32°13'16.140"N	103°50'26.426"W	7.53	
7830.00	55.500	315.600	7728.56	304.84	252.37	-176.30	652337.27	444540.78	32°13'16.319"N	103°50'26.631"W	6.15	
7861.00	57.500	316.200	7745.67	330.69	270.94	-194.29	652319.28	444559.35	32°13'16.504"N	103°50'26.839"W	6.65	
7893.00	59.600	316.300	7762.36	357.98	290.65	-213.17	652300.41	444579.06	32°13'16.700"N	103°50'27.058"W	6.57	
7922.00	62.100	316.400	7776.49	383.31	308.98	-230.65	652282.93	444597.39	32°13'16.882"N	103°50'27.260"W	8.63	
7953.00	64.100	316.700	7790.51	410.95	329.05	-249.66	652263.92	444617.46	32°13'17.081"N	103°50'27.480"W	6.51	
7985.00	66.400	315.500	7803.91	440.00	349.98	-269.81	652243.77	444638.39	32°13'17.290"N	103°50'27.714"W	7.95	
8015.00	68.000	314.100	7815.53	467.64	369.47	-289.43	652224.15	444657.87	32°13'17.483"N	103°50'27.941"W	6.85	
8047.00	69.800	313.500	7827.05	497.44	390.13	-310.98	652202.60	444678.53	32°13'17.689"N	103°50'28.191"W	5.89	



Actual Wellpath Report

No. 315H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.315H SHL
Area	Eddy County, NM	Well	No.315H
Field	Poker Lake Unit	Wellbore	No. 315H AWB
Facility	Poker Lake Unit No. 315H		

WELLPATH DATA (174 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
8078.00	71.800	313.500	7837.25	526.66	410.28	-332.21	652181.37	444698.68	32°13'17.889"N	103°50'28.437"W	6.45	
8110.00	73.500	313.100	7846.79	557.14	431.23	-354.44	652159.14	444719.63	32°13'18.097"N	103°50'28.695"W	5.44	
8142.00	74.900	312.900	7855.50	587.85	452.23	-376.96	652136.62	444740.63	32°13'18.306"N	103°50'28.956"W	4.42	
8173.00	76.600	312.700	7863.13	617.81	472.64	-399.01	652114.58	444761.04	32°13'18.509"N	103°50'29.211"W	5.52	
8204.00	78.400	312.400	7869.84	647.98	493.41	-421.30	652092.29	444781.50	32°13'18.713"N	103°50'29.470"W	5.88	
8236.00	80.700	312.100	7875.65	679.34	514.26	-444.60	652068.99	444802.66	32°13'18.923"N	103°50'29.740"W	7.25	
8265.00	82.400	312.300	7879.91	707.92	533.53	-465.84	652047.75	444821.93	32°13'19.115"N	103°50'29.986"W	5.90	
8296.00	84.900	313.300	7883.34	738.65	554.46	-488.45	652025.14	444842.86	32°13'19.323"N	103°50'30.248"W	8.68	
8328.00	86.900	313.300	7885.62	770.49	576.35	-511.68	652001.92	444864.74	32°13'19.541"N	103°50'30.517"W	6.25	
8359.00	88.200	314.000	7886.95	801.41	597.73	-534.09	651979.51	444886.12	32°13'19.753"N	103°50'30.777"W	4.76	
8389.00	89.000	313.400	7887.68	831.35	618.45	-555.77	651957.83	444906.84	32°13'19.959"N	103°50'31.028"W	3.33	
8421.00	90.700	313.600	7887.77	863.29	640.48	-578.98	651934.62	444928.86	32°13'20.178"N	103°50'31.297"W	5.35	
8453.00	91.600	313.800	7887.12	895.23	662.58	-602.11	651911.49	444950.97	32°13'20.398"N	103°50'31.565"W	2.88	
8483.00	92.300	313.800	7886.10	925.16	683.33	-623.75	651889.85	444971.72	32°13'20.604"N	103°50'31.816"W	2.33	
8514.00	91.200	313.300	7885.16	956.09	704.68	-646.21	651867.40	444993.06	32°13'20.816"N	103°50'32.076"W	3.90	
8577.00	90.000	313.000	7884.50	1018.94	747.76	-692.17	651821.44	445036.14	32°13'21.245"N	103°50'32.609"W	1.96	
8671.00	90.600	313.000	7884.00	1112.70	811.87	-760.91	651752.70	445100.25	32°13'21.882"N	103°50'33.406"W	0.64	
8764.00	87.500	313.400	7885.55	1205.47	875.52	-828.69	651684.93	445163.89	32°13'22.515"N	103°50'34.191"W	3.36	
8858.00	89.100	313.300	7888.34	1299.23	940.01	-897.01	651616.61	445228.38	32°13'23.156"N	103°50'34.983"W	1.71	
8953.00	88.800	313.600	7890.08	1394.02	1005.33	-965.97	651547.66	445293.70	32°13'23.806"N	103°50'35.782"W	0.45	
9054.00	90.300	313.500	7890.87	1494.83	1074.92	-1039.16	651474.47	445363.28	32°13'24.498"N	103°50'36.631"W	1.49	
9107.00	90.300	313.500	7890.59	1547.73	1111.40	-1077.61	651436.02	445399.76	32°13'24.861"N	103°50'37.076"W	0.00	
9168.00	90.600	314.400	7890.11	1608.64	1153.73	-1121.52	651392.11	445442.09	32°13'25.281"N	103°50'37.585"W	1.56	
9230.00	88.700	314.200	7890.49	1670.56	1197.03	-1165.89	651347.74	445485.38	32°13'25.712"N	103°50'38.099"W	3.08	
9324.00	90.400	313.100	7891.23	1764.53	1264.80	-1231.00	651282.65	445553.15	32°13'26.385"N	103°50'38.854"W	4.53	
9418.00	91.100	319.000	7890.00	1858.48	1335.25	-1293.21	651220.43	445623.59	32°13'27.085"N	103°50'39.574"W	1.21	
9512.00	89.300	316.000	7889.67	1952.47	1404.55	-1356.71	651156.94	445692.88	32°13'27.774"N	103°50'40.310"W	3.72	
9605.00	91.300	318.200	7889.18	2045.45	1472.66	-1420.01	651093.65	445761.00	32°13'28.451"N	103°50'41.043"W	3.20	
9700.00	90.300	317.400	7887.86	2140.43	1543.03	-1483.81	651029.84	445831.36	32°13'29.150"N	103°50'41.782"W	1.35	
9794.00	90.400	316.600	7887.28	2234.43	1611.78	-1547.92	650965.74	445900.10	32°13'29.833"N	103°50'42.524"W	0.86	
9887.00	90.400	317.600	7886.63	2327.43	1679.90	-1611.23	650902.44	445968.22	32°13'30.510"N	103°50'43.258"W	1.08	
9981.00	90.800	317.700	7885.65	2421.42	1749.37	-1674.55	650839.13	446037.68	32°13'31.200"N	103°50'43.991"W	0.44	
10075.00	90.200	317.800	7884.83	2515.41	1818.94	-1737.75	650775.93	446107.25	32°13'31.892"N	103°50'44.723"W	0.65	
10169.00	90.600	317.900	7884.17	2609.40	1888.63	-1800.82	650712.85	446176.94	32°13'32.584"N	103°50'45.454"W	0.44	
10263.00	90.600	317.100	7883.19	2703.39	1957.93	-1864.33	650649.36	446246.23	32°13'33.273"N	103°50'46.189"W	0.85	
10356.00	91.400	317.900	7881.57	2796.37	2026.49	-1927.15	650586.54	446314.78	32°13'33.954"N	103°50'46.917"W	1.22	
10450.00	90.900	316.000	7879.68	2890.34	2095.16	-1991.30	650522.39	446383.45	32°13'34.636"N	103°50'47.660"W	2.09	
10544.00	90.200	314.000	7878.78	2984.27	2161.62	-2057.76	650455.94	446449.91	32°13'35.297"N	103°50'48.430"W	2.25	
10638.00	91.400	317.700	7877.46	3078.23	2229.05	-2123.21	650390.49	446517.33	32°13'35.967"N	103°50'49.188"W	4.14	
10732.00	91.200	319.700	7875.33	3172.16	2299.65	-2185.24	650328.47	446587.93	32°13'36.669"N	103°50'49.907"W	2.14	
10826.00	93.200	321.000	7871.72	3265.93	2371.96	-2245.17	650268.54	446660.24	32°13'37.387"N	103°50'50.601"W	2.54	
10919.00	89.600	317.100	7869.45	3358.81	2442.16	-2306.08	650207.63	446730.43	32°13'38.084"N	103°50'51.306"W	5.71	
11013.00	92.200	319.900	7867.97	3452.75	2512.54	-2368.35	650145.37	446800.80	32°13'38.783"N	103°50'52.027"W	4.06	
11107.00	92.000	318.000	7864.53	3546.63	2583.38	-2430.04	650083.68	446871.63	32°13'39.487"N	103°50'52.741"W	2.03	
11201.00	89.700	313.900	7863.13	3640.58	2650.91	-2495.37	650018.36	446939.16	32°13'40.158"N	103°50'53.498"W	5.00	



Actual Wellpath Report

No. 315H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.315H SHL
Area	Eddy County, NM	Well	No.315H
Field	Poker Lake Unit	Wellbore	No. 315H AWP
Facility	Poker Lake Unit No. 315H		

WELLPATH DATA (174 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
11295.00	90.500	316.700	7862.97	3734.52	2717.72	-2561.48	649952.25	447005.97	32°13'40.822"N	103°50'54.265"W	3.10	
11389.00	90.800	316.700	7861.90	3828.51	2786.12	-2625.94	649887.79	447074.37	32°13'41.502"N	103°50'55.011"W	0.32	
11483.00	90.000	315.500	7861.25	3922.50	2853.85	-2691.12	649822.62	447142.09	32°13'42.175"N	103°50'55.766"W	1.53	
11577.00	89.900	315.200	7861.33	4016.46	2920.72	-2757.18	649756.56	447208.96	32°13'42.840"N	103°50'56.532"W	0.34	
11671.00	90.700	315.100	7860.84	4110.40	2987.36	-2823.47	649690.27	447275.60	32°13'43.502"N	103°50'57.300"W	0.86	
11765.00	89.700	314.000	7860.51	4204.31	3053.31	-2890.46	649623.29	447341.53	32°13'44.158"N	103°50'58.077"W	1.58	
11859.00	90.100	315.300	7860.67	4298.23	3119.37	-2957.33	649556.43	447407.59	32°13'44.814"N	103°50'58.851"W	1.45	
11953.00	90.000	316.300	7860.59	4392.20	3186.75	-3022.86	649490.90	447474.97	32°13'45.484"N	103°50'59.611"W	1.07	
12047.00	92.800	318.400	7858.29	4486.16	3255.86	-3086.52	649427.24	447544.07	32°13'46.171"N	103°51'00.348"W	3.72	
12140.00	95.500	319.200	7851.56	4578.86	3325.64	-3147.61	649366.15	447613.85	32°13'46.864"N	103°51'01.056"W	3.03	
12235.00	95.500	319.700	7842.46	4673.34	3397.50	-3209.09	649304.68	447685.70	32°13'47.578"N	103°51'01.768"W	0.52	
12329.00	93.400	319.500	7835.17	4766.96	3468.86	-3269.83	649243.95	447757.06	32°13'48.287"N	103°51'02.471"W	2.24	
12422.00	91.300	317.900	7831.35	4859.83	3538.66	-3331.15	649182.63	447826.86	32°13'48.980"N	103°51'03.181"W	2.84	
12516.00	91.100	316.900	7829.38	4953.81	3607.84	-3394.76	649119.02	447896.03	32°13'49.667"N	103°51'03.918"W	1.08	
12610.00	90.900	317.200	7827.74	5047.80	3676.63	-3458.80	649054.99	447964.82	32°13'50.351"N	103°51'04.660"W	0.98	
12704.00	90.400	316.800	7826.68	5141.79	3745.37	-3522.90	648990.89	448033.56	32°13'51.034"N	103°51'05.403"W	0.68	
12798.00	91.900	318.000	7824.79	5235.76	3814.55	-3586.51	648927.28	448102.73	32°13'51.721"N	103°51'06.140"W	2.04	
12935.00	89.300	316.500	7823.36	5372.74	3915.13	-3679.49	648834.31	448203.31	32°13'52.721"N	103°51'07.217"W	2.19	
13029.00	90.000	315.900	7823.93	5466.73	3982.98	-3744.55	648769.25	448271.14	32°13'53.395"N	103°51'07.970"W	0.98	
13123.00	91.200	314.200	7822.95	5560.66	4049.50	-3810.96	648702.86	448337.66	32°13'54.056"N	103°51'08.740"W	2.21	
13216.00	93.100	315.900	7819.46	5653.53	4115.26	-3876.61	648637.21	448403.42	32°13'54.710"N	103°51'09.501"W	2.74	
13310.00	93.200	317.000	7814.29	5747.38	4183.29	-3941.28	648572.55	448471.44	32°13'55.386"N	103°51'10.250"W	1.17	
13404.00	94.200	318.500	7808.22	5841.17	4252.72	-4004.34	648509.48	448540.87	32°13'56.076"N	103°51'10.981"W	1.92	
13498.00	94.500	319.200	7801.09	5934.86	4323.30	-4066.02	648447.81	448611.44	32°13'56.777"N	103°51'11.695"W	0.81	
13591.00	95.200	318.300	7793.23	6027.48	4392.97	-4127.12	648386.71	448681.11	32°13'57.469"N	103°51'12.403"W	1.22	
13685.00	93.000	318.000	7786.51	6121.22	4462.80	-4189.67	648324.17	448750.94	32°13'58.163"N	103°51'13.127"W	2.36	
13779.00	93.700	318.700	7781.02	6215.03	4532.92	-4252.03	648261.81	448821.05	32°13'58.859"N	103°51'13.850"W	1.05	
13873.00	89.100	319.400	7778.72	6308.92	4603.88	-4313.60	648200.24	448892.00	32°13'59.564"N	103°51'14.563"W	4.95	
13967.00	89.600	319.900	7779.79	6402.82	4675.51	-4374.46	648139.39	448963.63	32°14'00.276"N	103°51'15.267"W	0.75	
14061.00	90.200	318.600	7779.95	6496.74	4746.72	-4435.82	648078.04	449034.83	32°14'00.983"N	103°51'15.978"W	1.52	
14155.00	89.800	318.000	7779.95	6590.72	4816.90	-4498.35	648015.51	449105.01	32°14'01.680"N	103°51'16.702"W	0.77	
14248.00	89.700	317.400	7780.36	6683.71	4885.69	-4560.94	647952.92	449173.79	32°14'02.364"N	103°51'17.427"W	0.65	
14342.00	90.100	316.700	7780.52	6777.71	4954.49	-4624.99	647888.88	449242.59	32°14'03.047"N	103°51'18.169"W	0.86	
14436.00	90.400	316.300	7780.11	6871.71	5022.67	-4689.69	647824.18	449310.77	32°14'03.725"N	103°51'18.919"W	0.53	
14530.00	90.400	316.400	7779.46	6965.70	5090.69	-4754.57	647759.30	449378.78	32°14'04.401"N	103°51'19.671"W	0.11	
14624.00	91.100	316.100	7778.23	7059.68	5158.58	-4819.57	647694.31	449446.67	32°14'05.076"N	103°51'20.424"W	0.81	
14717.00	92.600	315.600	7775.22	7152.61	5225.28	-4884.31	647629.57	449513.36	32°14'05.738"N	103°51'21.174"W	1.70	
14769.00	92.700	315.000	7772.82	7204.53	5262.20	-4920.85	647593.04	449550.28	32°14'06.105"N	103°51'21.598"W	1.17	
14819.00	92.700	315.000	7770.46	7254.44	5297.51	-4956.16	647557.72	449585.59	32°14'06.456"N	103°51'22.007"W	-0.00	Proj to Bit



Actual Wellpath Report

No. 315H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.315H SHL
Area	Eddy County, NM	Well	No.315H
Field	Poker Lake Unit	Wellbore	No. 315H AWB
Facility	Poker Lake Unit No. 315H		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
No.315H PBHL		7773.00	5299.79	-4934.31	647579.57	449587.87	32°14'06.478"N	103°51'21.753"W	point
No.315H Target #1		7888.00	1096.94	-1061.43	651452.20	445385.30	32°13'24.717"N	103°50'36.889"W	point
No.315H Target #2		7890.00	1805.91	-1728.78	650784.89	446094.22	32°13'31.762"N	103°50'44.619"W	point

WELLPATH COMPOSITION - Ref Wellbore: No. 315H AWB Ref Wellpath: No. 315H AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
19.00	4083.00	Gyrodatta standard - Drop gyro or Multi-shot	Gyro	No. 315H-AWB
4083.00	14819.00	NaviTrak (Standard)	MWD	No. 315H AWB

**McVAY DRILLING COMPANY**

P.O. Box 2450
Hobbs, New Mexico 88241
(575) 397-3311
FAX: 39-DRILL

RECEIVED *STB*

NOV 7 2011

BOPCO WTD PRODUCTION

Well Name and Num: Poker Lake Unit 315H
Location: Sec. 13, T24S, R30E
Operator: BOPCo
Drilling Contractor: McVay Drilling Company

30-015-39166

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>
0.66	216	0.60	4174	34.80	7581	87.50	8764
0.53	455	0.60	4427	40.19	7643	89.10	8858
0.95	739	0.90	4617	48.80	7737	88.80	8953
0.40	869	1.00	4807	57.50	7861	90.24	9324
0.40	1060	1.30	5092	64.10	7953	89.30	9512
0.50	1252	0.80	5377	68.00	8015	90.40	9794
0.60	1442	0.80	5662	71.80	8078	90.80	9981
0.70	1632	0.80	5947	74.90	8142	90.60	10263
0.70	1917	0.80	6232	76.60	8173	93.20	10826
0.60	2202	0.90	6517	78.40	8204	89.60	10919
0.30	2487	0.80	6889	80.70	8236	92.00	11107
0.60	2772	0.60	7079	84.90	8296	90.50	11295
0.70	3058	3.70	7174	88.20	8359	90.00	11483
0.60	3342	9.70	7269	90.20	8421	89.90	11577
0.80	3627	16.50	7362	92.30	8483	89.70	11765
1.40	3817	24.00	7456	90.00	8577	90.00	11951
0.60	4079	29.40	7519	90.60	8671	95.50	12140



McVAY DRILLING COMPANY
P.O. Box 2450
Hobbs, New Mexico 88241
(575) 397-3311
FAX: 39-DRILL

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BOPCO WTD PRODUCTION

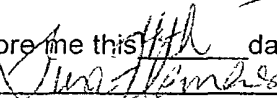
Well Name and Num: Poker Lake Unit 315H
Location: Sec. 13, T24S, R30E
Operator: BOPCo
Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>
95.36	12326	90.40	14530
91.30	12422	91.10	14624
90.90	12610	92.60	14717
90.40	12703	92.70	14769
91.90	12798		
89.30	12935		
93.10	13216		
94.20	13404		
94.50	13498		
95.20	13591		
93.00	13685		
93.70	13779		
89.10	13873		
89.80	14155		
89.70	14248		
90.10	14342		
90.40	14436		

By: 

Subscribed and sworn to before me this 4th day of November, 2011


Notary Public, Lea County, New Mexico

