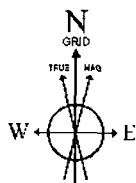
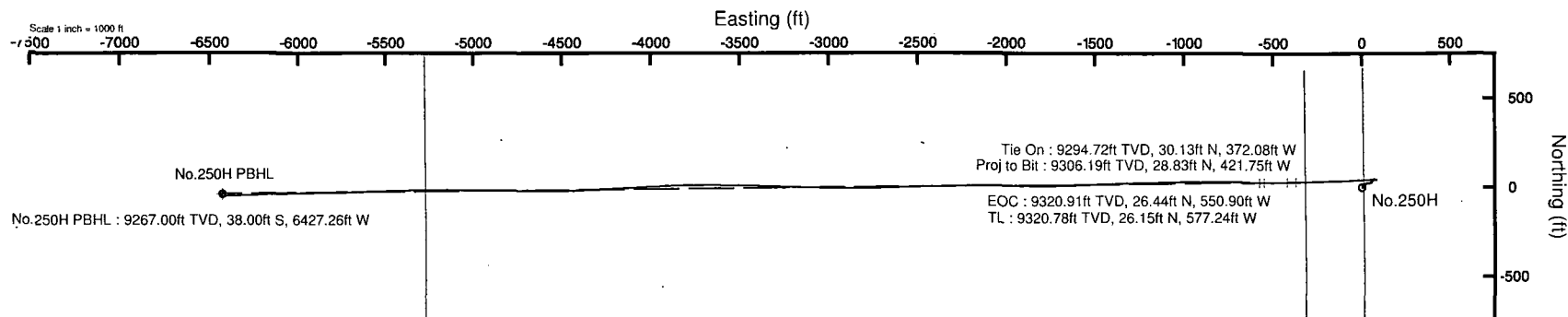




BOPCO, L.P.

Location: Eddy County, NM
Field: Big Eddy
Facility: Big Eddy Unit No.250H

Slot: No.250H
Well: No.250H
Wellbore: No.250H PWB



BGGM (1945.0 to 2013.0) Dip: 60.45° Field: 48750.2 nT
Magnetic North is 7.73 degrees East of True North (at 23/Mar/2012)
Grid North is 0.27 degrees East of True North
To correct azimuth from True to Grid subtract 0.27 degrees
To correct azimuth from Magnetic to Grid add 7.45 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.45 = 97.45

Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	9523.00	77.000	268.500	9294.72	30.13	-372.08	0.00	371.89
Proj to Bit	9574.00	77.000	268.500	9306.19	28.83	-421.75	0.00	421.58
EOC	9704.29	90.000	269.372	9320.91	26.44	-550.90	10.00	550.74
TL	9730.62	90.527	269.372	9320.78	26.15	-577.24	2.00	577.07
No.250H PBHL	15581.25	90.527	269.372	9267.00	-38.00	-6427.26	0.00	6427.37

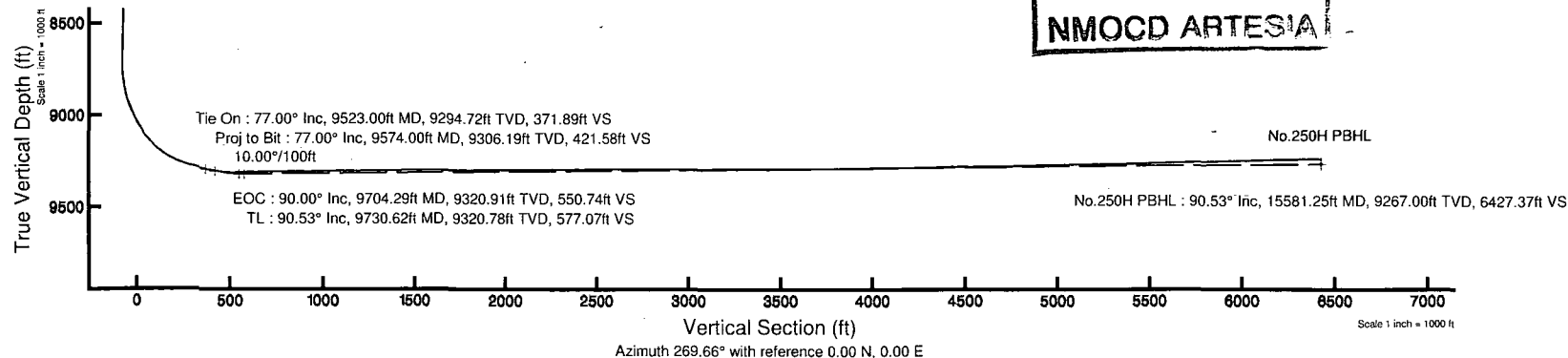
Plot reference wellpath is Rev-H.0

True vertical depths are referenced to Rig on No.250H (KB)	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No.250H (KB)	North Reference: Grid north
Rig on No.250H (KB) to Mean Sea Level: 3506 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: No.250H): -3479 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: gentbry on 27/Sep/2013

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Rev-H.0



Actual Wellpath Report

No.250H AWP

Page 1 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.250H
Area	Eddy County, NM	Well	No.250H
Field	Big Eddy	Wellbore	No.250H AWB
Facility	Big Eddy Unit No.250H		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 4.0.1
North Reference	Grid	User	Gentbry
Scale	0.999937	Report Generated	10/7/2013 at 9:30:57 AM
Convergence at slot	0.27° East	Database/Source file	MidlandDB/No.250H_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	654727.13	587821.94	32°36'54.077"N	103°49'50.969"W
Facility Reference Pt			654727.13	587821.94	32°36'54.077"N	103°49'50.969"W
Field Reference Pt			610823.03	524402.80	32°26'28.262"N	103°58'26.774"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No.250H (KB) to Facility Vertical Datum	27.00ft
Horizontal Reference Pt	Slot	Rig on No.250H (KB) to Mean Sea Level	3506.00ft
Vertical Reference Pt	Rig on No.250H (KB)	Rig on No.250H (KB) to Mud Line at Slot (No.250H)	27.00ft
MD Reference Pt	Rig on No.250H (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	269.66°



Actual Wellpath Report

No.250H AWP

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**BAKER
HUGHES**

REFERENCE WELLPATH IDENTIFICATION			
Operator	BOPCO, L.P.	Slot	No.250H
Area	Eddy County, NM	Well	No.250H
Field	Big Eddy	Wellbore	No.250H AWB
Facility	Big Eddy Unit No.250H		

WELLPATH DATA (181 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	357.190	0.00	0.00	0.00	0.00	654727.13	587821.94	32°36'54.077"N		103°49'50.969"W	0.00	
100.00	0.250	357.190	100.00	0.01	0.22	-0.01	654727.11	587822.15	32°36'54.079"N		103°49'50.969"W	0.25	
200.00	0.230	348.620	200.00	0.06	0.63	-0.06	654727.06	587822.57	32°36'54.083"N		103°49'50.970"W	0.04	
300.00	0.250	344.200	300.00	0.15	1.04	-0.16	654726.97	587822.97	32°36'54.087"N		103°49'50.971"W	0.03	
400.00	0.370	356.380	400.00	0.23	1.57	-0.24	654726.89	587823.51	32°36'54.092"N		103°49'50.972"W	0.14	
500.00	0.500	15.970	499.99	0.13	2.31	-0.14	654726.98	587824.25	32°36'54.100"N		103°49'50.970"W	0.20	
600.00	0.970	36.190	599.99	-0.50	3.42	0.48	654727.60	587825.35	32°36'54.110"N		103°49'50.963"W	0.53	
700.00	1.180	32.940	699.97	-1.57	4.96	1.54	654728.66	587826.90	32°36'54.126"N		103°49'50.951"W	0.22	
800.00	1.260	44.140	799.95	-2.90	6.62	2.86	654729.99	587828.55	32°36'54.142"N		103°49'50.935"W	0.25	
900.00	1.200	36.610	899.92	-4.30	8.25	4.26	654731.38	587830.18	32°36'54.158"N		103°49'50.919"W	0.17	
1000.00	1.390	43.380	999.90	-5.77	9.97	5.71	654732.84	587831.90	32°36'54.175"N		103°49'50.902"W	0.24	
1100.00	1.150	44.690	1099.87	-7.32	11.56	7.25	654734.38	587833.50	32°36'54.191"N		103°49'50.883"W	0.24	
1200.00	1.120	44.750	1199.85	-8.72	12.97	8.65	654735.77	587834.90	32°36'54.205"N		103°49'50.867"W	0.03	
1300.00	0.920	55.080	1299.84	-10.07	14.12	9.99	654737.12	587836.06	32°36'54.216"N		103°49'50.851"W	0.27	
1400.00	0.970	45.200	1399.82	-11.34	15.18	11.25	654738.37	587837.11	32°36'54.226"N		103°49'50.837"W	0.17	
1500.00	0.960	63.070	1499.81	-12.69	16.16	12.60	654739.72	587838.09	32°36'54.236"N		103°49'50.821"W	0.30	
1600.00	1.280	61.410	1599.79	-14.43	17.07	14.33	654741.45	587839.00	32°36'54.245"N		103°49'50.800"W	0.32	
1700.00	1.260	55.510	1699.77	-16.32	18.23	16.21	654743.34	587840.16	32°36'54.256"N		103°49'50.778"W	0.13	
1800.00	1.310	60.680	1799.74	-18.23	19.41	18.12	654745.24	587841.34	32°36'54.268"N		103°49'50.756"W	0.13	
1900.00	1.490	59.110	1899.71	-20.35	20.64	20.23	654747.35	587842.57	32°36'54.280"N		103°49'50.731"W	0.18	
2000.00	1.290	57.990	1999.68	-22.43	21.90	22.30	654749.42	587843.83	32°36'54.292"N		103°49'50.707"W	0.20	
2100.00	0.840	72.600	2099.66	-24.09	22.72	23.95	654751.08	587844.65	32°36'54.300"N		103°49'50.688"W	0.52	
2200.00	0.740	60.410	2199.65	-25.35	23.25	25.21	654752.34	587845.19	32°36'54.306"N		103°49'50.673"W	0.20	
2300.00	0.640	76.740	2299.65	-26.46	23.70	26.32	654753.44	587845.63	32°36'54.310"N		103°49'50.660"W	0.22	
2400.00	0.500	80.740	2399.64	-27.43	23.90	27.29	654754.42	587845.83	32°36'54.312"N		103°49'50.649"W	0.15	
2500.00	0.280	52.860	2499.64	-28.06	24.12	27.92	654755.04	587846.05	32°36'54.314"N		103°49'50.641"W	0.28	
2600.00	0.230	36.280	2599.64	-28.38	24.43	28.23	654755.35	587846.36	32°36'54.317"N		103°49'50.637"W	0.09	
2700.00	0.280	129.960	2699.64	-28.68	24.43	28.54	654755.66	587846.37	32°36'54.317"N		103°49'50.634"W	0.37	
2800.00	0.300	143.360	2799.64	-29.02	24.06	28.88	654756.00	587846.00	32°36'54.313"N		103°49'50.630"W	0.07	
2900.00	0.410	134.660	2899.63	-29.43	23.60	29.29	654756.41	587845.54	32°36'54.309"N		103°49'50.625"W	0.12	
3000.00	0.530	112.360	2999.63	-30.11	23.18	29.97	654757.10	587845.11	32°36'54.305"N		103°49'50.617"W	0.22	
3100.00	0.420	114.240	3099.63	-30.87	22.85	30.74	654757.86	587844.78	32°36'54.301"N		103°49'50.608"W	0.11	
3200.00	0.550	102.490	3199.62	-31.67	22.59	31.54	654758.66	587844.53	32°36'54.299"N		103°49'50.599"W	0.16	
3300.00	0.750	71.960	3299.62	-32.76	22.69	32.63	654759.75	587844.63	32°36'54.300"N		103°49'50.586"W	0.39	
3400.00	0.670	80.630	3399.61	-33.96	22.99	33.83	654760.95	587844.93	32°36'54.303"N		103°49'50.572"W	0.13	
3500.00	0.840	72.660	3499.60	-35.24	23.31	35.11	654762.23	587845.24	32°36'54.306"N		103°49'50.557"W	0.20	
3600.00	0.690	81.440	3599.59	-36.54	23.61	36.40	654763.52	587845.55	32°36'54.309"N		103°49'50.542"W	0.19	
3700.00	0.710	74.480	3699.59	-37.73	23.87	37.59	654764.72	587845.80	32°36'54.311"N		103°49'50.528"W	0.09	
3800.00	0.480	68.250	3799.58	-38.72	24.19	38.58	654765.70	587846.12	32°36'54.314"N		103°49'50.517"W	0.24	
3900.00	0.280	99.310	3899.58	-39.35	24.31	39.21	654766.33	587846.24	32°36'54.315"N		103°49'50.509"W	0.28	
4000.00	0.170	90.810	3999.58	-39.74	24.26	39.60	654766.72	587846.20	32°36'54.315"N		103°49'50.505"W	0.11	
4100.00	0.200	112.980	4099.58	-40.05	24.19	39.91	654767.03	587846.13	32°36'54.314"N		103°49'50.501"W	0.08	
4200.00	0.340	66.210	4199.58	-40.48	24.25	40.34	654767.46	587846.18	32°36'54.315"N		103°49'50.496"W	0.25	
4300.00	0.410	63.890	4299.57	-41.08	24.52	40.93	654768.05	587846.46	32°36'54.317"N		103°49'50.489"W	0.07	
4400.00	0.430	76.030	4399.57	-41.76	24.77	41.62	654768.74	587846.70	32°36'54.320"N		103°49'50.481"W	0.09	



Actual Wellpath Report

No.250H AWP

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**BAKER
HUGHES**

REFERENCE WELLPATH IDENTIFICATION											
Operator	BOPCO, L.P.						Slot	No.250H			
Area	Eddy County, NM						Well	No.250H			
Field	Big Eddy						Wellbore	No.250H AWB			
Facility	Big Eddy Unit No.250H										

WELLPATH DATA (181 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
4500.00	0.410	93.420	4499.57	-42.49	24.84	42.34	654769.46	587846.77	32°36'54.320"N	103°49'50.473"W	0.13	
4600.00	0.490	90.170	4599.57	-43.27	24.82	43.12	654770.25	587846.75	32°36'54.320"N	103°49'50.463"W	0.08	
4700.00	0.460	88.490	4699.56	-44.10	24.83	43.95	654771.07	587846.76	32°36'54.320"N	103°49'50.454"W	0.03	
4800.00	0.440	80.600	4799.56	-44.88	24.90	44.73	654771.85	587846.83	32°36'54.321"N	103°49'50.445"W	0.07	
4900.00	0.290	56.990	4899.56	-45.47	25.10	45.32	654772.45	587847.03	32°36'54.323"N	103°49'50.438"W	0.21	
5000.00	0.430	59.540	4999.55	-46.01	25.43	45.86	654772.98	587847.36	32°36'54.326"N	103°49'50.431"W	0.14	
5100.00	0.400	42.800	5099.55	-46.57	25.87	46.42	654773.54	587847.81	32°36'54.331"N	103°49'50.425"W	0.12	
5200.00	0.450	66.340	5199.55	-47.17	26.29	47.02	654774.14	587848.22	32°36'54.335"N	103°49'50.418"W	0.18	
5300.00	0.280	72.540	5299.55	-47.77	26.52	47.61	654774.73	587848.45	32°36'54.337"N	103°49'50.411"W	0.17	
5400.00	0.240	79.020	5399.55	-48.21	26.63	48.05	654775.17	587848.57	32°36'54.338"N	103°49'50.406"W	0.05	
5500.00	0.360	60.410	5499.54	-48.68	26.83	48.53	654775.65	587848.76	32°36'54.340"N	103°49'50.400"W	0.15	
5600.00	0.440	46.960	5599.54	-49.24	27.24	49.08	654776.20	587849.18	32°36'54.344"N	103°49'50.394"W	0.12	
5700.00	0.400	70.020	5699.54	-49.85	27.63	49.69	654776.81	587849.56	32°36'54.348"N	103°49'50.386"W	0.17	
5800.00	0.510	53.510	5799.54	-50.54	28.01	50.38	654777.50	587849.94	32°36'54.351"N	103°49'50.378"W	0.17	
5900.00	0.570	45.810	5899.53	-51.26	28.62	51.09	654778.21	587850.55	32°36'54.357"N	103°49'50.370"W	0.09	
6000.00	0.570	47.280	5999.53	-51.98	29.31	51.81	654778.93	587851.24	32°36'54.364"N	103°49'50.362"W	0.01	
6100.00	0.650	33.640	6099.52	-52.67	30.12	52.49	654779.61	587852.05	32°36'54.372"N	103°49'50.354"W	0.17	
6200.00	0.650	33.770	6199.52	-53.30	31.06	53.12	654780.24	587852.99	32°36'54.382"N	103°49'50.346"W	0.00	
6300.00	0.850	30.310	6299.51	-54.00	32.17	53.81	654780.93	587854.10	32°36'54.392"N	103°49'50.338"W	0.20	
6400.00	0.710	43.800	6399.50	-54.81	33.26	54.61	654781.74	587855.19	32°36'54.403"N	103°49'50.329"W	0.23	
6500.00	0.870	46.540	6499.49	-55.80	34.23	55.59	654782.72	587856.16	32°36'54.413"N	103°49'50.317"W	0.16	
6600.00	0.710	36.260	6599.48	-56.72	35.25	56.51	654783.63	587857.18	32°36'54.423"N	103°49'50.306"W	0.21	
6700.00	0.880	35.510	6699.47	-57.54	36.37	57.32	654784.45	587858.31	32°36'54.434"N	103°49'50.297"W	0.17	
6800.00	0.830	32.400	6799.46	-58.38	37.61	58.16	654785.28	587859.54	32°36'54.446"N	103°49'50.287"W	0.07	
6900.00	0.830	32.100	6899.45	-59.16	38.84	58.93	654786.05	587860.77	32°36'54.458"N	103°49'50.278"W	0.00	
7000.00	0.780	37.250	6999.44	-59.96	39.99	59.73	654786.85	587861.92	32°36'54.470"N	103°49'50.268"W	0.09	
7100.00	0.710	39.450	7099.43	-60.78	41.01	60.53	654787.65	587862.94	32°36'54.480"N	103°49'50.259"W	0.08	
7200.00	0.420	46.880	7199.42	-61.44	41.74	61.19	654788.32	587863.67	32°36'54.487"N	103°49'50.251"W	0.30	
7300.00	0.420	86.860	7299.42	-62.08	42.01	61.83	654788.95	587863.94	32°36'54.489"N	103°49'50.244"W	0.29	
7400.00	0.620	69.130	7399.42	-62.95	42.22	62.70	654789.82	587864.16	32°36'54.492"N	103°49'50.234"W	0.25	
7500.00	1.390	57.310	7499.40	-64.48	43.07	64.23	654791.35	587865.00	32°36'54.500"N	103°49'50.216"W	0.79	
7600.00	0.970	43.580	7599.38	-66.09	44.34	65.83	654792.95	587866.27	32°36'54.512"N	103°49'50.197"W	0.50	
7700.00	0.950	42.730	7699.37	-67.24	45.56	66.98	654794.10	587867.49	32°36'54.524"N	103°49'50.183"W	0.02	
7800.00	0.560	24.720	7799.36	-68.02	46.61	67.74	654794.86	587868.55	32°36'54.535"N	103°49'50.174"W	0.45	
7900.00	0.290	94.540	7899.35	-68.48	47.04	68.20	654795.32	587868.97	32°36'54.539"N	103°49'50.169"W	0.53	
8000.00	0.410	146.200	7999.35	-68.93	46.72	68.65	654795.77	587868.65	32°36'54.536"N	103°49'50.164"W	0.32	
8100.00	0.800	127.710	8099.35	-69.67	46.00	69.40	654796.52	587867.93	32°36'54.529"N	103°49'50.155"W	0.43	
8200.00	1.290	124.100	8199.33	-71.15	44.94	70.89	654798.01	587866.87	32°36'54.518"N	103°49'50.138"W	0.49	
8300.00	1.470	124.110	8299.30	-73.14	43.59	72.88	654800.00	587865.52	32°36'54.505"N	103°49'50.114"W	0.18	
8400.00	1.230	116.690	8399.27	-75.15	42.39	74.90	654802.02	587864.32	32°36'54.493"N	103°49'50.091"W	0.30	
8500.00	1.400	84.070	8499.25	-77.32	42.03	77.08	654804.20	587863.96	32°36'54.489"N	103°49'50.065"W	0.76	
8600.00	1.160	84.680	8599.22	-79.55	42.25	79.30	654806.42	587864.18	32°36'54.491"N	103°49'50.039"W	0.24	
8650.00	1.140	95.900	8649.21	-80.55	42.25	80.30	654807.42	587864.18	32°36'54.491"N	103°49'50.028"W	0.45	
8708.00	1.500	62.300	8707.20	-81.79	42.54	81.54	654808.66	587864.47	32°36'54.494"N	103°49'50.013"W	1.44	
8739.00	1.500	279.100	8738.19	-81.75	42.79	81.50	654808.62	587864.73	32°36'54.496"N	103°49'50.014"W	9.18	



Actual Wellpath Report

No.250H AWP

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BAKER HUGHES

REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.250H
Area	Eddy County, NM	Well	No.250H
Field	Big Eddy	Wellbore	No.250H AWB
Facility	Big Eddy Unit No.250H		

WELLPATH DATA (181 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
8771.00	5.500	272.700	8770.13	-79.81	42.93	79.56	654806.68	587864.86	32°36'54.498"N	103°49'50.036"W	12.54	
8803.00	7.600	271.200	8801.92	-76.16	43.05	75.91	654803.03	587864.98	32°36'54.499"N	103°49'50.079"W	6.58	
8834.00	9.600	277.000	8832.57	-71.55	43.41	71.29	654798.41	587865.34	32°36'54.503"N	103°49'50.133"W	7.02	
8866.00	12.600	265.000	8863.97	-65.42	43.43	65.17	654792.29	587865.36	32°36'54.503"N	103°49'50.205"W	11.79	
8898.00	15.300	271.300	8895.03	-57.72	43.22	57.47	654784.59	587865.15	32°36'54.502"N	103°49'50.295"W	9.67	
8929.00	18.100	267.600	8924.72	-48.82	43.11	48.56	654775.68	587865.04	32°36'54.501"N	103°49'50.399"W	9.66	
8961.00	20.900	266.600	8954.88	-38.15	42.56	37.90	654765.02	587864.50	32°36'54.496"N	103°49'50.524"W	8.81	
8993.00	24.100	266.000	8984.44	-25.92	41.77	25.68	654752.80	587863.70	32°36'54.489"N	103°49'50.666"W	10.03	
9025.00	26.400	267.800	9013.38	-12.29	41.04	12.05	654739.17	587862.97	32°36'54.482"N	103°49'50.826"W	7.58	
9055.00	28.800	267.800	9039.96	1.60	40.51	-1.84	654725.29	587862.44	32°36'54.478"N	103°49'50.988"W	8.00	
9087.00	30.900	267.400	9067.72	17.51	39.84	-17.75	654709.38	587861.77	32°36'54.472"N	103°49'51.174"W	6.59	
9118.00	34.200	267.500	9093.84	34.18	39.10	-34.41	654692.72	587861.03	32°36'54.465"N	103°49'51.369"W	10.65	
9150.00	38.400	267.300	9119.63	53.10	38.24	-53.33	654673.80	587860.17	32°36'54.458"N	103°49'51.590"W	13.13	
9179.00	41.900	267.400	9141.79	71.78	37.37	-72.01	654655.12	587859.30	32°36'54.450"N	103°49'51.809"W	12.07	
9213.00	45.700	267.700	9166.33	95.30	36.37	-95.51	654631.62	587858.30	32°36'54.441"N	103°49'52.083"W	11.19	
9245.00	49.700	268.700	9187.86	118.95	35.63	-119.17	654607.97	587857.56	32°36'54.435"N	103°49'52.360"W	12.71	
9277.00	54.000	269.100	9207.62	144.11	35.15	-144.32	654582.82	587857.08	32°36'54.431"N	103°49'52.654"W	13.47	
9309.00	58.400	269.700	9225.42	170.69	34.88	-170.90	654556.23	587856.81	32°36'54.430"N	103°49'52.965"W	13.84	
9340.00	62.900	269.000	9240.61	197.71	34.57	-197.91	654529.22	587856.50	32°36'54.428"N	103°49'53.281"W	14.65	
9372.00	67.200	268.500	9254.10	226.71	33.93	-226.91	654500.23	587855.86	32°36'54.423"N	103°49'53.620"W	13.51	
9404.00	71.300	268.500	9265.44	256.62	33.15	-256.82	654470.32	587855.08	32°36'54.417"N	103°49'53.969"W	12.81	
9435.00	75.500	268.500	9274.29	286.32	32.37	-286.51	654440.63	587854.30	32°36'54.410"N	103°49'54.317"W	13.55	
9467.00	76.500	268.500	9282.03	317.36	31.56	-317.55	654409.59	587853.49	32°36'54.404"N	103°49'54.680"W	3.12	
9498.00	77.100	268.500	9289.11	347.53	30.77	-347.72	654379.43	587852.70	32°36'54.397"N	103°49'55.032"W	1.94	
9523.00	77.000	268.500	9294.72	371.89	30.13	-372.08	654355.07	587852.06	32°36'54.392"N	103°49'55.317"W	0.40	
9611.00	82.700	269.700	9310.22	458.47	28.78	-458.65	654268.50	587850.71	32°36'54.383"N	103°49'56.329"W	6.61	
9675.00	91.800	269.900	9313.29	522.33	28.56	-522.51	654204.65	587850.49	32°36'54.384"N	103°49'57.076"W	14.22	
9706.00	91.800	270.200	9312.31	553.32	28.58	-553.50	654173.67	587850.52	32°36'54.385"N	103°49'57.438"W	0.97	
9738.00	91.700	270.300	9311.33	585.30	28.72	-585.48	654141.68	587850.66	32°36'54.388"N	103°49'57.812"W	0.44	
9833.00	90.700	271.000	9309.34	680.26	29.80	-680.45	654046.72	587851.73	32°36'54.403"N	103°49'58.922"W	1.28	
9928.00	90.700	270.000	9308.18	775.25	30.63	-775.44	653951.74	587852.56	32°36'54.416"N	103°50'00.033"W	1.05	
10023.00	90.800	269.800	9306.94	870.24	30.46	-870.43	653856.75	587852.40	32°36'54.419"N	103°50'01.143"W	0.24	
10118.00	90.700	269.500	9305.70	965.23	29.88	-965.42	653761.77	587851.82	32°36'54.417"N	103°50'02.254"W	0.33	
10213.00	90.700	269.200	9304.54	1060.22	28.81	-1060.41	653666.79	587850.74	32°36'54.411"N	103°50'03.364"W	0.32	
10308.00	90.800	268.800	9303.29	1155.21	27.15	-1155.39	653571.81	587849.08	32°36'54.399"N	103°50'04.475"W	0.43	
10403.00	90.700	268.500	9302.05	1250.18	24.91	-1250.35	653476.86	587846.84	32°36'54.381"N	103°50'05.585"W	0.33	
10498.00	90.200	268.000	9301.30	1345.15	22.01	-1345.30	653381.91	587843.94	32°36'54.357"N	103°50'06.695"W	0.74	
10593.00	90.300	268.300	9300.89	1440.12	18.94	-1440.25	653286.97	587840.88	32°36'54.331"N	103°50'07.805"W	0.33	
10688.00	90.200	267.500	9300.47	1535.07	15.46	-1535.19	653192.04	587837.39	32°36'54.301"N	103°50'08.915"W	0.85	
10783.00	90.200	268.000	9300.14	1630.02	11.73	-1630.11	653097.12	587833.66	32°36'54.269"N	103°50'10.025"W	0.53	
10877.00	90.300	268.700	9299.73	1723.99	9.02	-1724.07	653003.17	587830.96	32°36'54.246"N	103°50'11.124"W	0.75	
10971.00	90.200	270.400	9299.32	1817.98	8.29	-1818.07	652909.18	587830.22	32°36'54.243"N	103°50'12.223"W	1.81	
11066.00	90.100	272.100	9299.07	1912.94	10.36	-1913.04	652814.21	587832.29	32°36'54.268"N	103°50'13.333"W	1.79	
11160.00	90.200	271.300	9298.83	2006.88	13.15	-2007.00	652720.26	587835.08	32°36'54.300"N	103°50'14.431"W	0.86	
11255.00	90.300	269.100	9298.41	2101.87	13.48	-2101.99	652625.27	587835.41	32°36'54.308"N	103°50'15.542"W	2.32	



Actual Wellpath Report

No.250H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.250H
Area	Eddy County, NM	Well	No.250H
Field	Big Eddy	Wellbore	No.250H AWP
Facility	Big Eddy Unit No.250H		

WELLPATH DATA (181 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
11350.00	90.800	268.600	9297.50	2196.86	11.57	-2196.97	652530.30	587833.51	32°36'54.293"N	103°50'16.652"W	0.74	
11445.00	90.400	268.400	9296.51	2291.83	9.09	-2291.93	652435.35	587831.02	32°36'54.273"N	103°50'17.762"W	0.47	
11540.00	90.100	269.300	9296.09	2386.82	7.18	-2386.91	652340.38	587829.11	32°36'54.259"N	103°50'18.873"W	1.00	
11635.00	90.100	268.900	9295.93	2481.82	5.69	-2481.89	652245.39	587827.62	32°36'54.248"N	103°50'19.983"W	0.42	
11730.00	90.100	268.000	9295.76	2576.79	3.12	-2576.86	652150.44	587825.05	32°36'54.227"N	103°50'21.094"W	0.95	
11825.00	90.200	268.300	9295.51	2671.76	0.05	-2671.81	652055.49	587821.98	32°36'54.201"N	103°50'22.204"W	0.33	
11920.00	90.200	269.600	9295.18	2766.75	-1.69	-2766.79	651960.52	587820.24	32°36'54.188"N	103°50'23.314"W	1.37	
12014.00	90.100	269.500	9294.93	2860.75	-2.43	-2860.79	651866.53	587819.51	32°36'54.185"N	103°50'24.413"W	0.15	
12109.00	90.100	269.400	9294.77	2955.75	-3.34	-2955.78	651771.54	587818.59	32°36'54.181"N	103°50'25.524"W	0.11	
12204.00	90.200	271.300	9294.52	3050.74	-2.76	-3050.78	651676.55	587819.17	32°36'54.191"N	103°50'26.634"W	2.00	
12299.00	90.200	272.000	9294.19	3145.68	-0.03	-3145.73	651581.60	587821.91	32°36'54.222"N	103°50'27.744"W	0.74	
12394.00	90.200	272.000	9293.86	3240.60	3.29	-3240.68	651486.66	587825.22	32°36'54.259"N	103°50'28.854"W	0.00	
12488.00	90.100	271.500	9293.61	3334.54	6.16	-3334.63	651392.71	587828.10	32°36'54.292"N	103°50'29.952"W	0.54	
12583.00	90.200	271.500	9293.36	3429.49	8.65	-3429.60	651297.75	587830.58	32°36'54.321"N	103°50'31.063"W	0.11	
12678.00	90.100	270.500	9293.11	3524.46	10.31	-3524.58	651202.77	587832.24	32°36'54.342"N	103°50'32.173"W	1.06	
12773.00	90.200	270.300	9292.86	3619.45	10.97	-3619.58	651107.78	587832.90	32°36'54.353"N	103°50'33.283"W	0.24	
12868.00	90.600	269.500	9292.20	3714.45	10.80	-3714.58	651012.79	587832.74	32°36'54.355"N	103°50'34.394"W	0.94	
12963.00	90.700	268.800	9291.12	3809.44	9.39	-3809.56	650917.81	587831.33	32°36'54.346"N	103°50'35.504"W	0.74	
13058.00	90.600	267.300	9290.04	3904.39	6.16	-3904.50	650822.88	587828.10	32°36'54.318"N	103°50'36.615"W	1.58	
13152.00	90.700	267.000	9288.98	3998.29	1.49	-3998.37	650729.01	587823.42	32°36'54.276"N	103°50'37.712"W	0.34	
13247.00	90.700	267.500	9287.82	4093.20	-3.07	-4093.26	650634.14	587818.87	32°36'54.235"N	103°50'38.822"W	0.53	
13342.00	90.800	267.200	9286.57	4188.12	-7.46	-4188.15	650539.25	587814.47	32°36'54.196"N	103°50'39.931"W	0.33	
13437.00	91.600	267.200	9284.58	4283.01	-12.10	-4283.01	650444.39	587809.83	32°36'54.155"N	103°50'41.041"W	0.84	
13532.00	91.700	266.500	9281.85	4377.85	-17.32	-4377.83	650349.58	587804.62	32°36'54.107"N	103°50'42.149"W	0.74	
13626.00	90.200	268.500	9280.29	4471.77	-21.42	-4471.72	650255.70	587800.52	32°36'54.071"N	103°50'43.247"W	2.66	
13721.00	90.600	270.600	9279.63	4566.76	-22.16	-4566.71	650160.72	587799.77	32°36'54.068"N	103°50'44.358"W	2.25	
13816.00	90.700	270.400	9278.55	4661.74	-21.34	-4661.70	650065.73	587800.60	32°36'54.080"N	103°50'45.468"W	0.24	
13910.00	91.100	270.300	9277.07	4755.72	-20.76	-4755.68	649971.75	587801.17	32°36'54.090"N	103°50'46.567"W	0.44	
14006.00	91.200	270.400	9275.15	4851.70	-20.18	-4851.66	649875.78	587801.76	32°36'54.100"N	103°50'47.689"W	0.15	
14101.00	91.100	270.900	9273.24	4946.66	-19.10	-4946.64	649780.81	587802.84	32°36'54.115"N	103°50'48.799"W	0.54	
14195.00	91.100	270.600	9271.44	5040.63	-17.87	-5040.61	649686.84	587804.07	32°36'54.132"N	103°50'49.898"W	0.32	
14291.00	90.700	270.200	9269.93	5136.61	-17.20	-5136.60	649590.86	587804.74	32°36'54.143"N	103°50'51.020"W	0.59	
14385.00	90.700	269.600	9268.78	5230.60	-17.36	-5230.59	649496.88	587804.57	32°36'54.145"N	103°50'52.119"W	0.64	
14479.00	90.600	269.000	9267.71	5324.59	-18.51	-5324.58	649402.90	587803.43	32°36'54.138"N	103°50'53.217"W	0.65	
14574.00	91.700	268.300	9265.81	5419.56	-20.75	-5419.53	649307.95	587801.19	32°36'54.120"N	103°50'54.328"W	1.37	
14669.00	91.600	268.400	9263.07	5514.49	-23.48	-5514.45	649213.04	587798.45	32°36'54.098"N	103°50'55.437"W	0.15	
14764.00	91.700	267.800	9260.33	5609.42	-26.63	-5609.36	649118.13	587795.31	32°36'54.071"N	103°50'56.547"W	0.64	
14858.00	91.700	267.900	9257.55	5703.33	-30.15	-5703.25	649024.25	587791.78	32°36'54.040"N	103°50'57.645"W	0.11	
14954.00	91.600	269.100	9254.78	5799.27	-32.67	-5799.18	648928.33	587789.27	32°36'54.020"N	103°50'58.767"W	1.25	
15049.00	91.700	269.200	9252.05	5894.22	-34.08	-5894.13	648833.38	587787.86	32°36'54.010"N	103°50'59.877"W	0.15	
15144.00	91.600	268.600	9249.31	5989.18	-35.90	-5989.07	648738.45	587786.04	32°36'53.996"N	103°51'00.987"W	0.64	
15236.00	91.700	268.500	9246.66	6081.12	-38.23	-6081.00	648646.52	587783.71	32°36'53.977"N	103°51'02.062"W	0.15	
15332.00	91.700	268.000	9243.81	6177.05	-41.16	-6176.91	648550.62	587780.78	32°36'53.953"N	103°51'03.183"W	0.52	
15427.00	91.100	268.000	9241.49	6271.98	-44.47	-6271.83	648455.71	587777.47	32°36'53.924"N	103°51'04.293"W	0.63	
15508.00	90.700	268.600	9240.22	6352.95	-46.87	-6352.78	648374.76	587775.07	32°36'53.904"N	103°51'05.239"W	0.89	



Actual Wellpath Report

No.250H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BOPCO, L.P.	Slot	No.250H
Area	Eddy County, NM	Well	No.250H
Field	Big Eddy	Wellbore	No.250H AWB
Facility	Big Eddy Unit No.250H		

WELLPATH DATA (181 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
15583.00	90.700	268.600	9239.30	6427.93	-48.71	-6427.75	648299.79	587773.23	32°36'53.889"N	103°51'06.116"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.250H PBHL		9267.00	-38.00	-6427.26	648300.29	587783.94	32°36'53.995"N	103°51'06.110"W	point

WELLPATH COMPOSITION - Ref Wellbore: No.250H AWB Ref Wellpath: No.250H AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8650.00	Generic gyro - northseeking (Standard)	Gyro <100-8650>	No.250H AWB
8650.00	15508.00	NaviTrak (Standard)	BHI MWD NaviTraK <8708-15508>	No.250H AWB
15508.00	15583.00	Blind Drilling (std)	Projection to bit	No.250H AWB