



Actual Wellpath Report

No. 6H AWB

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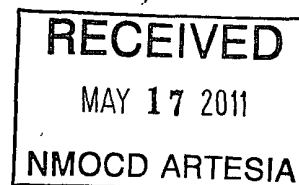
INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	OXY Permian	Slot	No. 6H SHL
Area	Eddy County, NM	Well	No. 6H
Field	(Cypress) Acadia Parish	Wellbore	No. 6H AWB
Facility	Cypress 34 Federal No. 6H		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect® 2.0
North Reference	Grid	User	Gentbry
Scale	0.999923	Report Generated	2/28/2011 at 8:46:50 AM
Convergence at slot	0.19° East	Database/Source file	WA Midland/No. 6H_AWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	609472.90	456671.10	32°15'18.034"N	103°58'45.143"W
Facility Reference Pt			609472.90	456671.10	32°15'18.034"N	103°58'45.143"W
Field Reference Pt			608653.20	457919.60	32°15'30.416"N	103°58'54.641"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No. 6H SHL (RT) to Facility Vertical Datum	16.50ft
Horizontal Reference Pt	Slot	Rig on No. 6H SHL (RT) to Mean Sea Level	3051.10ft
Vertical Reference Pt	Rig on No. 6H SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 6H SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	3.03°



SUR: M-34-23s-29e, 400/S & 400/W
BHL: D-34-23s-29e, 631/N & 625/W
API # 30-015-38366



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Area	Eddy County, NM	Well	No. 6H
Field	(Cypress) Acadia Parish	Wellbore	No. 6H AWB
Facility	Cypress 34 Federal No. 6H		

WELLPATH DATA (146 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00	0.000	156.800	0.00	0.00	0.00	0.00	609472.90	456671.10	32°15'18.034"N	103°58'45.143"W	0.00	
100.00	0.700	156.800	100.00	-0.55	-0.56	0.24	609473.14	456670.54	32°15'18.029"N	103°58'45.140"W	0.70	
200.00	0.390	207.700	199.99	-1.41	-1.42	0.32	609473.22	456669.68	32°15'18.020"N	103°58'45.139"W	0.55	
300.00	0.800	16.660	299.99	-1.04	-1.06	0.37	609473.26	456670.04	32°15'18.024"N	103°58'45.138"W	1.19	
400.00	1.160	19.040	399.98	0.62	0.57	0.90	609473.80	456671.67	32°15'18.040"N	103°58'45.132"W	0.36	
500.00	1.070	23.520	499.96	2.46	2.38	1.60	609474.50	456673.48	32°15'18.058"N	103°58'45.124"W	0.13	
600.00	0.840	22.920	599.94	4.03	3.91	2.26	609475.16	456675.01	32°15'18.073"N	103°58'45.116"W	0.23	
700.00	0.760	46.390	699.93	5.20	5.05	3.02	609475.92	456676.15	32°15'18.084"N	103°58'45.107"W	0.33	
800.00	0.600	69.780	799.93	5.89	5.68	3.99	609476.89	456676.78	32°15'18.090"N	103°58'45.096"W	0.32	
900.00	0.680	76.440	899.92	6.26	6.00	5.06	609477.96	456677.10	32°15'18.093"N	103°58'45.083"W	0.11	
1000.00	0.760	79.920	999.91	6.58	6.26	6.29	609479.19	456677.36	32°15'18.096"N	103°58'45.069"W	0.09	
1100.00	0.880	86.050	1099.90	6.83	6.43	7.71	609480.61	456677.53	32°15'18.097"N	103°58'45.053"W	0.15	
1200.00	0.670	109.900	1199.89	6.75	6.28	9.03	609481.93	456677.38	32°15'18.096"N	103°58'45.037"W	0.38	
1300.00	0.690	153.880	1299.89	6.05	5.54	9.84	609482.74	456676.64	32°15'18.089"N	103°58'45.028"W	0.51	
1400.00	1.070	182.230	1399.88	4.60	4.07	10.07	609482.97	456675.17	32°15'18.074"N	103°58'45.025"W	0.57	
1500.00	1.330	188.180	1499.85	2.51	1.99	9.87	609482.77	456673.09	32°15'18.053"N	103°58'45.028"W	0.29	
1600.00	1.230	188.070	1599.83	0.28	-0.22	9.55	609482.45	456670.88	32°15'18.032"N	103°58'45.031"W	0.10	
1700.00	1.110	182.860	1699.81	-1.76	-2.25	9.35	609482.25	456668.85	32°15'18.011"N	103°58'45.034"W	0.16	
1800.00	0.710	146.020	1799.80	-3.22	-3.74	9.65	609482.55	456667.36	32°15'17.997"N	103°58'45.030"W	0.69	
1900.00	0.560	137.230	1899.79	-4.06	-4.61	10.33	609483.23	456666.49	32°15'17.988"N	103°58'45.022"W	0.18	
2000.00	0.210	116.880	1999.79	-4.47	-5.05	10.83	609483.72	456666.05	32°15'17.984"N	103°58'45.017"W	0.37	
2100.00	0.050	109.450	2099.79	-4.56	-5.15	11.03	609483.93	456665.95	32°15'17.983"N	103°58'45.014"W	0.16	
2200.00	0.060	188.310	2199.79	-4.62	-5.21	11.06	609483.96	456665.89	32°15'17.982"N	103°58'45.014"W	0.07	
2300.00	0.150	199.360	2299.79	-4.80	-5.39	11.01	609483.91	456665.71	32°15'17.980"N	103°58'45.015"W	0.09	
2400.00	0.770	127.010	2399.78	-5.30	-5.92	11.51	609484.40	456665.18	32°15'17.975"N	103°58'45.009"W	0.74	
2500.00	2.140	137.340	2499.75	-6.98	-7.69	13.31	609486.21	456663.41	32°15'17.958"N	103°58'44.988"W	1.39	
2600.00	1.880	135.020	2599.69	-9.38	-10.23	15.73	609488.63	456660.87	32°15'17.932"N	103°58'44.960"W	0.27	
2700.00	3.330	153.720	2699.58	-13.01	-13.99	18.18	609491.08	456657.11	32°15'17.895"N	103°58'44.931"W	1.66	
2800.00	4.950	165.480	2799.32	-19.66	-20.77	20.55	609493.44	456650.33	32°15'17.828"N	103°58'44.904"W	1.82	
2900.00	4.870	165.350	2898.95	-27.82	-29.06	22.70	609495.60	456642.05	32°15'17.746"N	103°58'44.879"W	0.08	
3098.00	3.200	165.200	3096.46	-41.09	-42.53	26.24	609499.14	456628.57	32°15'17.612"N	103°58'44.839"W	0.84	
3130.00	3.200	163.200	3128.41	-42.78	-44.25	26.72	609499.62	456626.85	32°15'17.595"N	103°58'44.833"W	0.35	
3224.00	2.000	168.100	3222.31	-46.83	-48.37	27.82	609500.72	456622.74	32°15'17.555"N	103°58'44.821"W	1.30	
3319.00	2.500	135.700	3317.24	-49.84	-51.47	29.61	609502.51	456619.63	32°15'17.524"N	103°58'44.800"W	1.41	
3413.00	1.900	107.800	3411.17	-51.62	-53.42	32.53	609505.42	456617.69	32°15'17.504"N	103°58'44.766"W	1.29	
3507.00	1.200	91.400	3505.14	-51.99	-53.92	34.99	609507.89	456617.19	32°15'17.499"N	103°58'44.737"W	0.87	
3602.00	1.200	85.100	3600.12	-51.83	-53.86	36.98	609509.88	456617.25	32°15'17.500"N	103°58'44.714"W	0.14	
3697.00	0.900	83.600	3695.10	-51.57	-53.69	38.71	609511.61	456617.42	32°15'17.502"N	103°58'44.694"W	0.32	
3791.00	0.900	89.300	3789.09	-51.40	-53.60	40.18	609513.08	456617.51	32°15'17.502"N	103°58'44.677"W	0.10	
3886.00	1.500	34.500	3884.07	-50.29	-52.56	41.63	609514.53	456618.54	32°15'17.513"N	103°58'44.660"W	1.29	
3978.00	2.000	27.300	3976.03	-47.80	-50.14	43.05	609515.95	456620.96	32°15'17.537"N	103°58'44.643"W	0.59	
4071.00	2.100	28.200	4068.97	-44.78	-47.20	44.60	609517.50	456623.90	32°15'17.566"N	103°58'44.625"W	0.11	
4166.00	1.400	5.000	4163.92	-42.04	-44.51	45.53	609518.42	456626.59	32°15'17.592"N	103°58'44.614"W	1.03	
4261.00	1.500	347.800	4258.89	-39.68	-42.14	45.36	609518.26	456628.97	32°15'17.616"N	103°58'44.616"W	0.47	
4356.00	1.100	350.400	4353.87	-37.59	-40.02	44.95	609517.85	456631.08	32°15'17.637"N	103°58'44.621"W	0.43	



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Area	Eddy County, NM	Well	No. 6H
Field	(Cypress) Acadia Parish	Wellbore	No. 6H AWB
Facility	Cypress 34 Federal No. 6H		

WELLPATH DATA (146 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4450.00	1.300	343.200	4447.85	-35.71	-38.11	44.49	609517.39	456632.99	32°15'17.656"N	103°58'44.626"W	0.27	
4544.00	1.200	346.900	4541.83	-33.76	-36.13	43.96	609516.86	456634.97	32°15'17.675"N	103°58'44.632"W	0.14	
4638.00	1.100	342.000	4635.81	-31.97	-34.32	43.46	609516.35	456636.79	32°15'17.693"N	103°58'44.638"W	0.15	
4733.00	1.300	340.200	4730.79	-30.13	-32.44	42.81	609515.71	456638.67	32°15'17.712"N	103°58'44.645"W	0.21	
4827.00	1.100	336.800	4824.76	-28.34	-30.60	42.09	609514.99	456640.50	32°15'17.730"N	103°58'44.654"W	0.23	
4922.00	1.300	341.900	4919.74	-26.51	-28.74	41.40	609514.30	456642.36	32°15'17.748"N	103°58'44.662"W	0.24	
5015.00	1.200	340.900	5012.72	-24.63	-26.82	40.75	609513.65	456644.28	32°15'17.767"N	103°58'44.669"W	0.11	
5112.00	1.300	335.000	5109.70	-22.72	-24.86	39.96	609512.85	456646.24	32°15'17.787"N	103°58'44.678"W	0.17	
5206.00	1.100	331.300	5203.68	-21.01	-23.10	39.07	609511.97	456648.00	32°15'17.804"N	103°58'44.689"W	0.23	
5300.00	1.100	320.800	5297.66	-19.57	-21.61	38.07	609510.97	456649.49	32°15'17.819"N	103°58'44.700"W	0.21	
5395.00	1.100	307.100	5392.64	-18.39	-20.36	36.76	609509.66	456650.75	32°15'17.831"N	103°58'44.715"W	0.28	
5492.00	1.300	316.100	5489.62	-17.11	-19.00	35.26	609508.16	456652.10	32°15'17.845"N	103°58'44.733"W	0.28	
5525.00	2.900	343.000	5522.60	-16.07	-17.93	34.76	609507.65	456653.17	32°15'17.856"N	103°58'44.739"W	5.57	
5557.00	5.000	355.800	5554.52	-13.93	-15.77	34.42	609507.31	456655.33	32°15'17.877"N	103°58'44.742"W	7.08	
5588.00	7.300	0.500	5585.34	-10.62	-12.45	34.33	609507.23	456658.65	32°15'17.910"N	103°58'44.743"W	7.59	
5619.00	10.200	2.500	5615.98	-5.91	-7.74	34.47	609507.37	456663.36	32°15'17.956"N	103°58'44.742"W	9.40	
5651.00	12.800	3.700	5647.33	0.47	-1.37	34.82	609507.72	456669.73	32°15'18.019"N	103°58'44.737"W	8.16	
5682.00	14.900	4.200	5677.43	7.89	6.03	35.34	609508.23	456677.13	32°15'18.093"N	103°58'44.731"W	6.79	
5714.00	16.300	4.800	5708.25	16.49	14.61	36.01	609508.91	456685.71	32°15'18.178"N	103°58'44.723"W	4.40	
5745.00	17.800	4.700	5737.89	25.58	23.67	36.77	609509.66	456694.77	32°15'18.267"N	103°58'44.714"W	4.84	
5777.00	18.700	4.800	5768.28	35.60	33.66	37.60	609510.49	456704.75	32°15'18.366"N	103°58'44.704"W	2.81	
5808.00	20.100	4.700	5797.52	45.89	43.92	38.45	609511.35	456715.01	32°15'18.467"N	103°58'44.693"W	4.52	
5840.00	21.300	4.300	5827.45	57.19	55.19	39.34	609512.23	456726.29	32°15'18.579"N	103°58'44.682"W	3.78	
5871.00	22.500	3.600	5856.21	68.76	66.73	40.13	609513.03	456737.82	32°15'18.693"N	103°58'44.673"W	3.96	
5903.00	24.300	3.400	5885.58	81.46	79.41	40.91	609513.80	456750.51	32°15'18.819"N	103°58'44.663"W	5.63	
5935.00	25.900	3.200	5914.56	95.04	92.97	41.69	609514.58	456764.06	32°15'18.953"N	103°58'44.654"W	5.01	
5966.00	27.700	2.800	5942.23	109.01	106.92	42.42	609515.31	456778.01	32°15'19.091"N	103°58'44.645"W	5.84	
5998.00	28.600	2.000	5970.44	124.11	122.01	43.05	609515.94	456793.10	32°15'19.240"N	103°58'44.637"W	3.05	
6029.00	29.500	2.200	5997.54	139.16	137.05	43.60	609516.50	456808.14	32°15'19.389"N	103°58'44.630"W	2.92	
6061.00	30.400	3.100	6025.27	155.13	153.01	44.34	609517.24	456824.09	32°15'19.547"N	103°58'44.620"W	3.14	
6092.00	31.600	3.600	6051.84	171.10	168.94	45.27	609518.17	456840.03	32°15'19.704"N	103°58'44.609"W	3.96	
6124.00	32.300	4.500	6078.99	188.03	185.84	46.47	609519.37	456856.92	32°15'19.872"N	103°58'44.594"W	2.65	
6155.00	33.400	5.100	6105.03	204.84	202.59	47.88	609520.78	456873.68	32°15'20.037"N	103°58'44.577"W	3.70	
6187.00	34.800	5.500	6131.53	222.76	220.46	49.54	609522.43	456891.54	32°15'20.214"N	103°58'44.557"W	4.43	
6218.00	36.600	5.000	6156.70	240.84	238.47	51.19	609524.09	456909.55	32°15'20.392"N	103°58'44.537"W	5.88	
6250.00	38.800	4.000	6182.02	260.40	257.98	52.72	609525.62	456929.05	32°15'20.585"N	103°58'44.519"W	7.14	
6281.00	42.200	2.800	6205.59	280.53	278.07	53.91	609526.80	456949.15	32°15'20.784"N	103°58'44.504"W	11.25	
6313.00	45.500	2.700	6228.67	302.69	300.21	54.97	609527.87	456971.29	32°15'21.003"N	103°58'44.491"W	10.31	
6344.00	46.600	2.800	6250.18	325.01	322.50	56.04	609528.94	456993.58	32°15'21.224"N	103°58'44.478"W	3.56	
6376.00	46.600	2.600	6272.17	348.26	345.73	57.14	609530.03	457016.80	32°15'21.453"N	103°58'44.464"W	0.45	
6439.00	46.900	2.500	6315.33	394.15	391.57	59.18	609532.07	457062.64	32°15'21.907"N	103°58'44.438"W	0.49	
6502.00	48.300	2.600	6357.81	440.67	438.04	61.25	609534.14	457109.11	32°15'22.367"N	103°58'44.413"W	2.23	
6534.00	48.700	2.400	6379.02	464.63	461.99	62.29	609535.19	457133.05	32°15'22.604"N	103°58'44.399"W	1.33	
6565.00	49.200	1.900	6399.38	488.01	485.35	63.17	609536.07	457156.41	32°15'22.835"N	103°58'44.388"W	2.02	
6597.00	50.000	2.100	6420.12	512.37	509.70	64.02	609536.92	457180.76	32°15'23.076"N	103°58'44.378"W	2.54	



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REFERENCE WELLPATH IDENTIFICATION

Operator	OXY Permian	Slot	No. 6H SHL
Area	Eddy County, NM	Well	No. 6H
Field	(Cypress) Acadia Parish	Wellbore	No. 6H AWB
Facility	Cypress 34 Federal No. 6H		

WELLPATH DATA (146 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
6627.00	51.300	1.700	6439.14	535.57	532.89	64.79	609537.68	457203.95	32°15'23.305"N	103°58'44.368"W	4.45	
6660.00	52.400	1.800	6459.52	561.51	558.83	65.58	609538.48	457229.88	32°15'23.562"N	103°58'44.357"W	3.34	
6691.00	53.100	1.900	6478.29	586.18	583.49	66.38	609539.27	457254.54	32°15'23.806"N	103°58'44.347"W	2.27	
6721.00	53.600	2.100	6496.19	610.25	607.54	67.22	609540.11	457278.60	32°15'24.044"N	103°58'44.337"W	1.75	
6754.00	54.300	2.400	6515.61	636.92	634.20	68.27	609541.16	457305.25	32°15'24.308"N	103°58'44.323"W	2.24	
6786.00	55.500	2.700	6534.01	663.10	660.36	69.43	609542.33	457331.41	32°15'24.566"N	103°58'44.309"W	3.83	
6815.00	56.700	2.500	6550.19	687.17	684.40	70.52	609543.42	457355.45	32°15'24.804"N	103°58'44.295"W	4.18	
6849.00	58.000	2.000	6568.53	715.80	713.01	71.65	609544.54	457384.05	32°15'25.087"N	103°58'44.281"W	4.02	
6883.00	59.000	1.400	6586.30	744.78	741.98	72.51	609545.40	457413.03	32°15'25.374"N	103°58'44.270"W	3.30	
6914.00	59.900	1.400	6602.05	771.46	768.67	73.16	609546.05	457439.71	32°15'25.638"N	103°58'44.261"W	2.90	
6945.00	60.900	2.800	6617.36	798.41	795.61	74.15	609547.04	457466.64	32°15'25.905"N	103°58'44.249"W	5.08	
6977.00	61.300	4.200	6632.83	826.43	823.57	75.86	609548.75	457494.60	32°15'26.181"N	103°58'44.228"W	4.03	
7008.00	62.300	4.400	6647.48	853.74	850.81	77.91	609550.80	457521.85	32°15'26.451"N	103°58'44.203"W	3.28	
7040.00	64.900	3.900	6661.71	882.39	879.40	79.98	609552.87	457550.43	32°15'26.733"N	103°58'44.177"W	8.24	
7072.00	67.800	2.500	6674.54	911.70	908.66	81.61	609554.51	457579.69	32°15'27.023"N	103°58'44.157"W	9.91	
7103.00	70.600	3.100	6685.55	940.68	937.60	83.03	609555.92	457608.63	32°15'27.309"N	103°58'44.140"W	9.21	
7135.00	73.100	3.800	6695.52	971.08	967.95	84.86	609557.75	457638.98	32°15'27.610"N	103°58'44.117"W	8.08	
7166.00	76.500	3.900	6703.64	1000.99	997.80	86.87	609559.76	457668.82	32°15'27.905"N	103°58'44.093"W	10.97	
7197.00	79.800	4.000	6710.01	1031.32	1028.06	88.96	609561.85	457699.08	32°15'28.204"N	103°58'44.067"W	10.65	
7229.00	83.600	4.300	6714.63	1062.98	1059.64	91.25	609564.14	457730.65	32°15'28.517"N	103°58'44.039"W	11.91	
7244.00	85.600	4.000	6716.04	1077.90	1074.53	92.33	609565.22	457745.54	32°15'28.664"N	103°58'44.026"W	13.48	
7290.00	89.400	2.800	6718.04	1123.85	1120.39	95.05	609567.95	457791.41	32°15'29.118"N	103°58'43.993"W	8.66	
7385.00	91.900	2.300	6716.97	1218.83	1215.29	99.28	609572.17	457886.29	32°15'30.057"N	103°58'43.940"W	2.68	
7482.00	92.800	1.900	6712.99	1315.74	1312.14	102.83	609575.72	457983.13	32°15'31.015"N	103°58'43.895"W	1.02	
7573.00	90.900	1.500	6710.05	1406.66	1403.05	105.53	609578.42	458074.04	32°15'31.914"N	103°58'43.860"W	2.13	
7667.00	89.600	1.000	6709.64	1500.61	1497.02	107.58	609580.47	458168.00	32°15'32.844"N	103°58'43.832"W	1.48	
7765.00	89.700	1.000	6710.24	1598.55	1595.00	109.29	609582.18	458265.98	32°15'33.814"N	103°58'43.809"W	0.10	
7860.00	90.100	2.400	6710.41	1693.52	1689.96	112.11	609585.00	458360.93	32°15'34.753"N	103°58'43.772"W	1.53	
7954.00	89.200	3.000	6710.98	1787.52	1783.85	116.54	609589.43	458454.81	32°15'35.682"N	103°58'43.717"W	1.15	
8049.00	90.300	2.600	6711.40	1882.51	1878.74	121.18	609594.07	458549.69	32°15'36.621"N	103°58'43.659"W	1.23	
8143.00	89.100	2.900	6711.89	1976.51	1972.63	125.69	609598.58	458643.57	32°15'37.550"N	103°58'43.603"W	1.32	
8236.00	89.400	3.300	6713.10	2069.50	2065.48	130.72	609603.61	458736.42	32°15'38.469"N	103°58'43.541"W	0.54	
8330.00	89.200	3.200	6714.25	2163.49	2159.32	136.05	609608.93	458830.25	32°15'39.397"N	103°58'43.475"W	0.24	
8424.00	88.800	1.700	6715.89	2257.47	2253.22	140.06	609612.95	458924.14	32°15'40.326"N	103°58'43.425"W	1.65	
8518.00	89.800	1.100	6717.04	2351.43	2347.18	142.36	609615.25	459018.10	32°15'41.256"N	103°58'43.395"W	1.24	
8617.00	89.900	1.800	6717.30	2450.39	2446.15	144.86	609617.75	459117.06	32°15'42.235"N	103°58'43.362"W	0.71	
8711.00	88.900	2.600	6718.29	2544.37	2540.07	148.47	609621.36	459210.97	32°15'43.164"N	103°58'43.316"W	1.36	
8806.00	90.600	3.200	6718.70	2639.37	2634.95	153.28	609626.17	459305.84	32°15'44.103"N	103°58'43.256"W	1.90	
8901.00	89.300	3.300	6718.78	2734.36	2729.79	158.66	609631.55	459400.68	32°15'45.041"N	103°58'43.190"W	1.37	
8994.00	89.400	2.600	6719.84	2827.36	2822.66	163.45	609636.34	459493.54	32°15'45.960"N	103°58'43.131"W	0.76	
9089.00	90.300	2.900	6720.09	2922.35	2917.55	168.01	609640.89	459588.42	32°15'46.899"N	103°58'43.074"W	1.00	
9184.00	90.600	2.700	6719.34	3017.35	3012.44	172.65	609645.53	459683.30	32°15'47.838"N	103°58'43.016"W	0.38	
9279.00	90.300	2.100	6718.59	3112.34	3107.35	176.63	609649.51	459778.20	32°15'48.777"N	103°58'42.966"W	0.71	
9373.00	89.600	2.700	6718.68	3206.33	3201.27	180.56	609653.45	459872.11	32°15'49.706"N	103°58'42.917"W	0.98	
9468.00	89.700	0.000	6719.26	3301.28	3296.23	182.80	609655.69	459967.07	32°15'50.645"N	103°58'42.887"W	2.84	



Actual Wellpath Report

No. 6H AWB

Page 5 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	OXY Permian	Slot	No. 6H SHL
Area	Eddy County, NM	Well	No. 6H
Field	(Cypress) Acadia Parish	Wellbore	No. 6H AWB
Facility	Cypress 34 Federal No. 6H		

WELLPATH DATA (146 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
9562.00	90.100	0.500	6719.42	3395.17	3390.23	183.21	609656.10	460061.06	32°15'51.576"N	103°58'42.879"W	0.68	
9655.00	89.900	1.700	6719.42	3488.12	3483.21	185.00	609657.88	460154.03	32°15'52.496"N	103°58'42.854"W	1.31	
9751.00	91.200	1.200	6718.50	3584.07	3579.17	187.43	609660.31	460249.99	32°15'53.445"N	103°58'42.822"W	1.45	
9845.00	91.900	0.900	6715.96	3677.98	3673.12	189.15	609662.03	460343.93	32°15'54.375"N	103°58'42.799"W	0.81	
9940.00	91.900	1.900	6712.81	3772.89	3768.04	191.47	609664.35	460438.84	32°15'55.314"N	103°58'42.768"W	1.05	
10035.00	90.900	3.000	6710.49	3867.86	3862.92	195.53	609668.41	460533.71	32°15'56.253"N	103°58'42.717"W	1.56	
10130.00	90.400	4.900	6709.41	3962.83	3957.68	202.07	609674.95	460628.47	32°15'57.190"N	103°58'42.637"W	2.07	
10224.00	91.200	3.800	6708.10	4056.80	4051.40	209.20	609682.08	460722.18	32°15'58.117"N	103°58'42.551"W	1.45	
10319.00	91.100	4.800	6706.19	4151.75	4146.11	216.32	609689.20	460816.89	32°15'59.054"N	103°58'42.464"W	1.06	
10367.00	91.600	4.600	6705.06	4199.72	4193.94	220.25	609693.14	460864.71	32°15'59.527"N	103°58'42.416"W	1.12	
10422.00	91.600	4.600	6703.52	4254.68	4248.74	224.66	609697.54	460919.50	32°16'00.070"N	103°58'42.363"W	0.00	Proj to Bit

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
No. 6H PBHL		6724.00	4257.54	236.12	609709.00	460928.30	32°16'00.156"N	103°58'42.229"W	point

WELLPATH COMPOSITION Ref Wellbore: No. 6H AWB Ref Wellpath: No. 6H AWB

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	2900.00	Generic gyro - northseeking (Standard)	Gyro	No. 6H AWB
2900.00	10422.00	NaviTrak (Standard)	MWD	No. 6H AWB

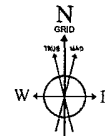
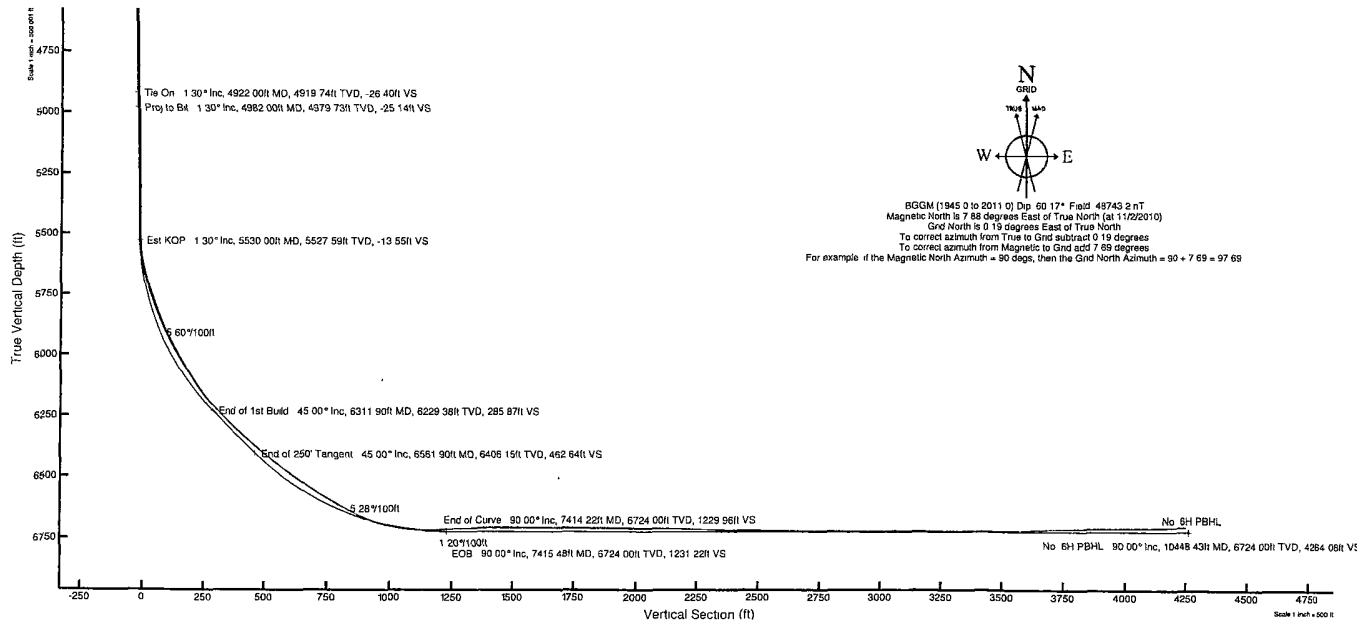
Location Eddy County, NM
Field (Cypress) Acadia Parish
Facility Cypress 34 Federal No. 6H

Slot No 6H SHL
Well No 6H
Wellbore No 6H PWR

HUGHES
INTEQ

Well Profile Data							
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	VS (ft)
Tie On	4922.00	1.300	341.900	4919.74	-28.74	41.40	-26.40
Proj to Bit	4982.00	1.300	341.900	4979.73	-27.45	40.98	-25.14
Est KOP	5530.00	1.300	341.900	5527.59	-15.83	37.11	-13.55
End of 1st Build	6311.90	45.000	2.700	6229.38	283.65	47.91	285.87
End of 250' Tangent	6561.90	45.000	2.700	6406.15	460.23	56.24	462.64
End of Curve	7414.22	90.000	2.700	6724.00	1226.73	92.39	1229.96
EOB	7415.48	90.000	2.715	6724.00	1227.99	92.45	1231.22
No 6H PBHL	10448.43	90.000	2.715	6724.00	4257.54	236.12	4264.08

Plot reference wellpath is Plan #2	
True vertical depths are referenced to Rig on No. 6H SHL (RT)	Grid System NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No. 6H SHL (RT)	North Reference Grid north
Rig on No. 6H SHL (RT) to Mean Sea Level 3051.1 feet	Scale True distance
Mean Sea Level to Mud line (Facility Cypress 34 Federal No. 6H) -3034.6 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by gentlby on 2/15/2011



BGGM (1945.0 to 2011.0) Dip 60.17° Field 48743.2 nT
Magnetic North is 7.88 degrees East of True North (at 1/2/2010)
Grid North is 0.19 degrees East of True North
To correct azimuth from True to Grid subtract 0.19 degrees
To correct azimuth from Magnetic to Grid add 7.69 degrees
For example if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.69 = 97.69

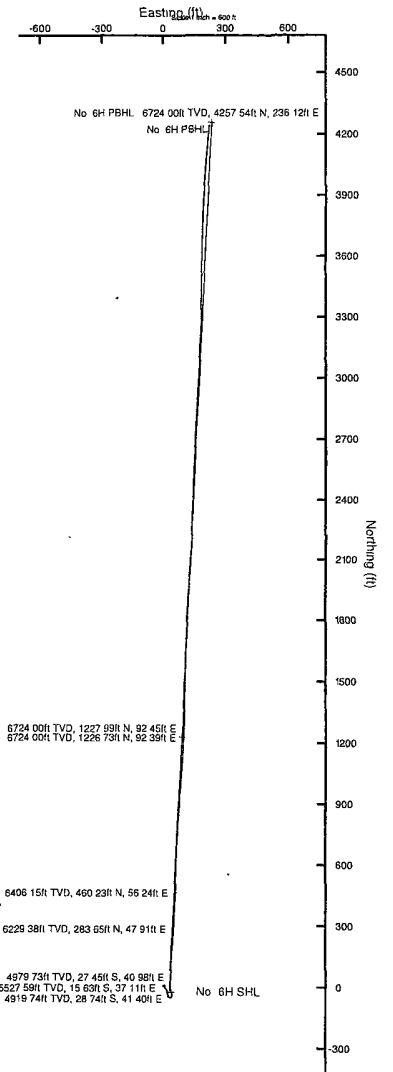
EOB 6724.00ft TVD, 1227.99ft N, 92.45ft E
End of Curve 6724.00ft TVD, 1226.73ft N, 92.39ft E

End of 250' Tangent 6406.15ft TVD, 460.23ft N, 56.24ft E

End of 1st Build 6229.38ft TVD, 283.65ft N, 47.91ft E

Proj to Bit 4979.73ft TVD, 27.45ft S, 40.98ft E
Est KOP 5527.59ft TVD, 15.83ft S, 37.11ft E
Tie On 4919.74ft TVD, 28.74ft S, 41.40ft E

No 6H SHL



2105 MARKET STREET
MIDLAND, TX 79703
24 HR (432) 694-9517

STATE OF NEW MEXICO

COUNTY OF Eddy

I, Rex Long, Directional Driller certify that I am employed by Baker Hughes INTEQ; did conduct

or supervise on the day(s) of Feb 14, 2011 through Feb 26, 2011 the

taking of MWD surveys from a depth of 2,900 to a depth of 10,422 that

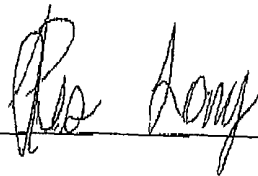
the data is true, correct, complete and within the limitations of the tool as set forth by Baker Hughes INTEQ; that I am

authorized and qualified to make this report; that this survey was conducted at the request of Oxy

for the Cypress 34 Federal No. 6H well in Eddy

County, NM; and that I have reviewed this report and find that it conforms to

the principles and procedures as set forth by INTEQ.



Field Service Engineer: Rex Long