



Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	OXY Permian	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No.3H
Field	(Nimitz) "12" Fed 3H Sec.12, T24S, R30E	Wellbore	No. 3H AWB
Facility	Nimitz 12 Fed No. 3H		30-015-41011

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 3.0.0
North Reference	Grid	User	Gilbjosl
Scale	0.999937	Report Generated	08/Mar/2013 at 8:39:34 AM
Convergence at slot	0.27° East	Database/Source file	WA Midland/No._3H_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	655109.20	450862.10	32°14'18.748"N	103°49'54.020"W
Facility Reference Pt			655109.20	450862.10	32°14'18.748"N	103°49'54.020"W
Field Reference Pt			0.00	0.00	30°59'24.512"N	105°55'44.137"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No. 3H SHL (KB) to Facility Vertical Datum	24.00ft
Horizontal Reference Pt	Slot	Rig on No. 3H SHL (KB) to Mean Sea Level	3513.50ft
Vertical Reference Pt	Rig on No. 3H SHL (KB)	Rig on No. 3H SHL (KB) to Mud Line at Slot (No. 3H SHL)	24.00ft
MD Reference Pt	Rig on No. 3H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.76°



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Facility	Nimitz 12 Fed No. 3H		

WELLPATH DATA (144 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	237.980	0.00	0.00	0.00	0.00	655109.20	450862.10	32°14'18.748"N	103°49'54.020"W	0.00	
184.00	0.090	237.980	184.00	0.08	-0.08	-0.12	655109.08	450862.02	32°14'18.747"N	103°49'54.021"W	0.05	
214.00	0.400	81.680	214.00	0.07	-0.07	-0.04	655109.16	450862.03	32°14'18.747"N	103°49'54.020"W	1.61	
343.00	0.480	291.770	343.00	-0.19	0.19	-0.10	655109.10	450862.29	32°14'18.750"N	103°49'54.021"W	0.66	
403.00	0.400	304.160	403.00	-0.40	0.40	-0.50	655108.70	450862.50	32°14'18.752"N	103°49'54.026"W	0.21	
495.00	0.480	276.780	494.99	-0.63	0.63	-1.15	655108.05	450862.73	32°14'18.754"N	103°49'54.033"W	0.24	
580.00	0.700	296.470	579.99	-0.91	0.90	-1.97	655107.23	450863.00	32°14'18.757"N	103°49'54.043"W	0.35	
670.00	0.400	294.580	669.99	-1.29	1.28	-2.75	655106.45	450863.38	32°14'18.761"N	103°49'54.052"W	0.33	
857.00	0.400	305.250	856.98	-1.94	1.93	-3.87	655105.33	450864.03	32°14'18.767"N	103°49'54.065"W	0.04	
955.00	0.400	355.360	954.98	-2.48	2.46	-4.18	655105.02	450864.56	32°14'18.773"N	103°49'54.068"W	0.35	
1035.00	0.620	323.280	1034.98	-3.11	3.09	-4.46	655104.74	450865.19	32°14'18.779"N	103°49'54.072"W	0.44	
1140.00	0.480	296.560	1139.97	-3.76	3.74	-5.19	655104.01	450865.84	32°14'18.785"N	103°49'54.080"W	0.27	
1234.00	0.620	292.170	1233.97	-4.13	4.11	-6.02	655103.18	450866.21	32°14'18.789"N	103°49'54.090"W	0.16	
1329.00	0.700	321.960	1328.96	-4.79	4.76	-6.85	655102.35	450866.86	32°14'18.796"N	103°49'54.099"W	0.37	
1424.00	0.620	339.980	1423.95	-5.73	5.70	-7.38	655101.82	450867.80	32°14'18.805"N	103°49'54.106"W	0.23	
1518.00	0.790	325.300	1517.95	-6.74	6.71	-7.93	655101.27	450868.81	32°14'18.815"N	103°49'54.112"W	0.26	
1613.00	0.620	331.100	1612.94	-7.73	7.70	-8.55	655100.65	450869.80	32°14'18.825"N	103°49'54.119"W	0.19	
1708.00	0.880	345.780	1707.93	-8.89	8.86	-8.98	655100.22	450870.96	32°14'18.836"N	103°49'54.124"W	0.34	
1802.00	0.790	342.970	1801.92	-10.21	10.18	-9.34	655099.86	450872.28	32°14'18.849"N	103°49'54.128"W	0.11	
1894.00	0.880	357.690	1893.91	-11.53	11.49	-9.56	655099.64	450873.59	32°14'18.862"N	103°49'54.131"W	0.25	
1992.00	1.100	356.370	1991.90	-13.22	13.18	-9.65	655099.55	450875.28	32°14'18.879"N	103°49'54.131"W	0.23	
2086.00	0.790	345.080	2085.88	-14.75	14.71	-9.87	655099.33	450876.80	32°14'18.894"N	103°49'54.134"W	0.38	
2181.00	1.010	336.460	2180.87	-16.15	16.11	-10.37	655098.83	450878.20	32°14'18.908"N	103°49'54.140"W	0.27	
2276.00	0.790	352.590	2275.86	-17.57	17.52	-10.79	655098.41	450879.62	32°14'18.922"N	103°49'54.145"W	0.35	
2370.00	0.790	359.670	2369.85	-18.86	18.81	-10.88	655098.32	450880.91	32°14'18.935"N	103°49'54.146"W	0.10	
2465.00	1.320	21.590	2464.84	-20.53	20.49	-10.48	655098.72	450882.58	32°14'18.951"N	103°49'54.141"W	0.69	
2560.00	1.710	25.290	2559.80	-22.82	22.79	-9.47	655099.73	450884.88	32°14'18.974"N	103°49'54.129"W	0.42	
2654.00	1.580	33.400	2653.76	-25.17	25.14	-8.16	655101.04	450887.23	32°14'18.997"N	103°49'54.114"W	0.28	
2749.00	1.580	19.400	2748.73	-27.49	27.46	-7.01	655102.19	450889.56	32°14'19.020"N	103°49'54.100"W	0.41	
2843.00	1.100	21.290	2842.70	-29.55	29.53	-6.25	655102.95	450891.62	32°14'19.041"N	103°49'54.091"W	0.51	



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Facility	Nimitz 12 Fed No. 3H		

WELLPATH DATA (144 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
2938.00	0.790	9.470	2937.69	-31.05	31.02	-5.81	655103.39	450893.12	32°14'19.055"N	103°49'54.086"W	0.38	
3033.00	0.880	16.360	3032.68	-32.39	32.37	-5.50	655103.70	450894.47	32°14'19.069"N	103°49'54.082"W	0.14	
3127.00	0.700	347.670	3126.67	-33.64	33.62	-5.41	655103.79	450895.72	32°14'19.081"N	103°49'54.081"W	0.46	
3222.00	0.790	15.660	3221.66	-34.84	34.82	-5.36	655103.84	450896.92	32°14'19.093"N	103°49'54.080"W	0.39	
3317.00	0.480	354.170	3316.66	-35.87	35.85	-5.23	655103.97	450897.94	32°14'19.103"N	103°49'54.079"W	0.41	
3411.00	0.880	68.090	3410.65	-36.53	36.51	-4.60	655104.60	450898.60	32°14'19.110"N	103°49'54.071"W	0.93	
3506.00	1.800	117.480	3505.63	-36.10	36.09	-2.60	655106.61	450898.19	32°14'19.105"N	103°49'54.048"W	1.47	
3601.00	1.890	120.160	3600.58	-34.61	34.62	0.08	655109.28	450896.71	32°14'19.091"N	103°49'54.017"W	0.13	
3695.00	1.890	128.290	3694.53	-32.86	32.88	2.64	655111.84	450894.97	32°14'19.073"N	103°49'53.987"W	0.29	
3790.00	2.900	139.370	3789.44	-30.06	30.08	5.43	655114.63	450892.18	32°14'19.046"N	103°49'53.955"W	1.16	
3884.00	4.000	145.390	3883.27	-25.54	25.58	8.85	655118.04	450887.68	32°14'19.001"N	103°49'53.916"W	1.23	
3979.00	3.690	146.290	3978.06	-20.26	20.31	12.42	655121.62	450882.41	32°14'18.949"N	103°49'53.874"W	0.33	
4074.00	3.120	155.280	4072.89	-15.35	15.42	15.20	655124.40	450877.52	32°14'18.900"N	103°49'53.842"W	0.82	
4107.00	1.800	128.280	4105.86	-14.21	14.28	15.98	655125.18	450876.38	32°14'18.889"N	103°49'53.833"W	5.22	
4201.00	2.600	160.200	4199.79	-11.29	11.36	17.87	655127.06	450873.46	32°14'18.860"N	103°49'53.811"W	1.52	
4296.00	2.600	161.000	4294.70	-7.21	7.29	19.30	655128.50	450869.39	32°14'18.820"N	103°49'53.795"W	0.04	
4390.00	2.000	154.000	4388.62	-3.72	3.80	20.71	655129.91	450865.90	32°14'18.785"N	103°49'53.779"W	0.70	
4485.00	2.100	161.300	4483.56	-0.57	0.67	21.99	655131.19	450862.77	32°14'18.754"N	103°49'53.764"W	0.29	
4580.00	2.100	155.700	4578.50	2.67	-2.57	23.27	655132.47	450859.53	32°14'18.722"N	103°49'53.749"W	0.22	
4674.00	0.200	268.000	4672.48	4.24	-4.15	23.81	655133.01	450857.96	32°14'18.706"N	103°49'53.743"W	2.32	
4769.00	0.200	304.600	4767.47	4.15	-4.06	23.51	655132.71	450858.04	32°14'18.707"N	103°49'53.746"W	0.13	
4864.00	0.500	300.600	4862.47	3.85	-3.75	23.02	655132.22	450858.35	32°14'18.710"N	103°49'53.752"W	0.32	
4958.00	0.400	297.200	4956.47	3.49	-3.39	22.37	655131.57	450858.71	32°14'18.714"N	103°49'53.760"W	0.11	
5053.00	0.200	320.100	5051.47	3.20	-3.11	21.97	655131.17	450858.99	32°14'18.716"N	103°49'53.764"W	0.24	
5147.00	0.800	298.300	5145.46	2.76	-2.68	21.29	655130.49	450859.42	32°14'18.721"N	103°49'53.772"W	0.66	
5242.00	0.700	286.100	5240.46	2.28	-2.20	20.15	655129.35	450859.90	32°14'18.726"N	103°49'53.785"W	0.20	
5337.00	0.600	322.200	5335.45	1.73	-1.65	19.29	655128.48	450860.45	32°14'18.731"N	103°49'53.795"W	0.44	
5431.00	0.900	313.600	5429.44	0.83	-0.75	18.45	655127.65	450861.35	32°14'18.740"N	103°49'53.805"W	0.34	
5526.00	0.800	288.500	5524.43	0.10	-0.02	17.28	655126.48	450862.08	32°14'18.747"N	103°49'53.819"W	0.40	
5620.00	0.800	310.500	5618.42	-0.54	0.61	16.16	655125.36	450862.71	32°14'18.754"N	103°49'53.832"W	0.32	



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Area	Eddy County, NM	Well	No.3H
Field	(Nimitz) "12" Fed 3H Sec.12, T24S, R30E	Wellbore	No. 3H AWB
Facility	Nimitz 12 Fed No. 3H		

WELLPATH DATA (144 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
5715.00	1.100	296.000	5713.41	-1.38	1.44	14.83	655124.03	450863.54	32°14'18.762"N	103°49'53.847"W	0.40	
5810.00	1.200	311.000	5808.39	-2.44	2.49	13.26	655122.46	450864.59	32°14'18.772"N	103°49'53.865"W	0.33	
5904.00	1.000	294.800	5902.37	-3.43	3.48	11.78	655120.98	450865.58	32°14'18.782"N	103°49'53.883"W	0.39	
5999.00	0.600	282.300	5997.37	-3.89	3.94	10.54	655119.74	450866.04	32°14'18.787"N	103°49'53.897"W	0.46	
6094.00	0.700	308.800	6092.36	-4.37	4.41	9.60	655118.80	450866.51	32°14'18.791"N	103°49'53.908"W	0.33	
6188.00	0.600	314.700	6186.35	-5.08	5.11	8.80	655118.00	450867.21	32°14'18.798"N	103°49'53.917"W	0.13	
6283.00	0.600	280.600	6281.35	-5.52	5.55	7.96	655117.16	450867.65	32°14'18.803"N	103°49'53.927"W	0.37	
6377.00	0.500	280.200	6375.34	-5.69	5.72	7.07	655116.27	450867.82	32°14'18.804"N	103°49'53.937"W	0.11	
6472.00	0.500	318.000	6470.34	-6.07	6.10	6.39	655115.59	450868.20	32°14'18.808"N	103°49'53.945"W	0.34	
6566.00	0.500	236.100	6564.34	-6.15	6.17	5.77	655114.97	450868.27	32°14'18.809"N	103°49'53.952"W	0.70	
6661.00	0.500	266.700	6659.33	-5.90	5.92	5.01	655114.21	450868.02	32°14'18.807"N	103°49'53.961"W	0.28	
6755.00	0.500	181.700	6753.33	-5.47	5.48	4.59	655113.79	450867.58	32°14'18.802"N	103°49'53.966"W	0.72	
6850.00	0.400	143.800	6848.33	-4.78	4.80	4.78	655113.98	450866.90	32°14'18.796"N	103°49'53.964"W	0.32	
6945.00	0.600	167.400	6943.33	-4.03	4.05	5.08	655114.28	450866.15	32°14'18.788"N	103°49'53.961"W	0.30	
7120.00	0.900	146.600	7118.31	-1.98	2.01	6.04	655115.24	450864.11	32°14'18.768"N	103°49'53.949"W	0.23	
7215.00	5.400	184.000	7213.15	3.10	-3.08	6.14	655115.34	450859.02	32°14'18.717"N	103°49'53.949"W	4.96	
7309.00	11.500	185.500	7306.08	16.85	-16.83	4.93	655114.13	450845.27	32°14'18.581"N	103°49'53.963"W	6.49	
7404.00	10.100	187.500	7399.40	34.53	-34.52	2.93	655112.13	450827.59	32°14'18.407"N	103°49'53.988"W	1.53	
7515.00	5.400	193.700	7509.36	49.25	-49.25	0.42	655109.62	450812.86	32°14'18.261"N	103°49'54.018"W	4.29	
7577.00	11.400	187.500	7570.66	58.16	-58.17	-1.07	655108.13	450803.94	32°14'18.173"N	103°49'54.035"W	9.77	
7609.00	14.700	185.000	7601.83	65.34	-65.35	-1.83	655107.37	450796.76	32°14'18.102"N	103°49'54.045"W	10.46	
7640.00	18.800	183.400	7631.51	74.25	-74.26	-2.47	655106.73	450787.85	32°14'18.014"N	103°49'54.053"W	13.31	
7672.00	22.300	183.800	7661.47	85.45	-85.46	-3.18	655106.02	450776.64	32°14'17.903"N	103°49'54.062"W	10.95	
7703.00	26.000	184.100	7689.75	98.10	-98.12	-4.06	655105.14	450763.99	32°14'17.778"N	103°49'54.072"W	11.94	
7735.00	29.300	183.700	7718.09	112.91	-112.93	-5.07	655104.14	450749.18	32°14'17.631"N	103°49'54.085"W	10.33	
7766.00	33.000	184.300	7744.62	128.90	-128.92	-6.19	655103.01	450733.19	32°14'17.473"N	103°49'54.099"W	11.98	
7798.00	36.200	183.300	7770.96	147.02	-147.05	-7.39	655101.81	450715.06	32°14'17.293"N	103°49'54.114"W	10.16	
7829.00	40.500	182.300	7795.26	166.22	-166.26	-8.32	655100.88	450695.85	32°14'17.103"N	103°49'54.126"W	14.01	
7861.00	44.300	181.500	7818.89	187.78	-187.82	-9.03	655100.17	450674.29	32°14'16.890"N	103°49'54.135"W	11.99	
7892.00	48.700	180.400	7840.22	210.26	-210.30	-9.39	655099.81	450651.82	32°14'16.668"N	103°49'54.141"W	14.42	



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7924.00	53.200	179.000	7860.38	235.10	-235.14	-9.25	655099.95	450626.98	32°14'16.422"N	103°49'54.140"W	14.47	
7955.00	57.800	178.200	7877.93	260.64	-260.67	-8.62	655100.58	450601.44	32°14'16.169"N	103°49'54.134"W	14.99	
7987.00	62.800	177.600	7893.78	288.41	-288.44	-7.60	655101.60	450573.68	32°14'15.894"N	103°49'54.124"W	15.71	
8018.00	66.900	176.500	7906.96	316.43	-316.46	-6.15	655103.05	450545.66	32°14'15.617"N	103°49'54.109"W	13.61	
8050.00	69.300	176.300	7918.89	346.07	-346.09	-4.29	655104.91	450516.03	32°14'15.324"N	103°49'54.089"W	7.52	
8081.00	71.200	176.200	7929.37	375.19	-375.20	-2.38	655106.82	450486.92	32°14'15.036"N	103°49'54.068"W	6.14	
8113.00	75.000	176.000	7938.67	405.74	-405.74	-0.30	655108.90	450456.38	32°14'14.733"N	103°49'54.045"W	11.89	
8144.00	77.700	176.700	7945.98	435.81	-435.80	1.62	655110.82	450426.33	32°14'14.436"N	103°49'54.025"W	8.98	
8176.00	80.900	177.900	7951.92	467.22	-467.21	3.10	655112.30	450394.92	32°14'14.125"N	103°49'54.009"W	10.66	
8208.00	84.900	179.300	7955.88	498.96	-498.94	3.87	655113.07	450363.19	32°14'13.811"N	103°49'54.002"W	13.23	
8239.00	88.000	179.900	7957.80	529.89	-529.88	4.09	655113.29	450332.25	32°14'13.505"N	103°49'54.001"W	10.18	
8349.00	89.800	181.300	7959.91	639.85	-639.85	2.94	655112.14	450222.29	32°14'12.417"N	103°49'54.020"W	2.07	
8444.00	89.400	183.000	7960.57	734.77	-734.77	-0.63	655108.57	450127.37	32°14'11.477"N	103°49'54.067"W	1.84	
8538.00	89.500	184.200	7961.47	828.55	-828.58	-6.53	655102.67	450033.57	32°14'10.549"N	103°49'54.141"W	1.28	
8634.00	90.000	183.500	7961.89	924.30	-924.36	-12.98	655096.23	449937.80	32°14'09.602"N	103°49'54.221"W	0.90	
8729.00	90.500	183.300	7961.48	1019.11	-1019.20	-18.61	655090.59	449842.97	32°14'08.664"N	103°49'54.292"W	0.57	
8823.00	89.300	185.900	7961.64	1112.77	-1112.88	-26.15	655083.05	449749.29	32°14'07.737"N	103°49'54.385"W	3.05	
8918.00	90.600	186.800	7961.72	1207.14	-1207.30	-36.65	655072.55	449654.88	32°14'06.803"N	103°49'54.512"W	1.66	
9012.00	90.700	185.300	7960.66	1300.56	-1300.77	-46.56	655062.64	449561.42	32°14'05.879"N	103°49'54.633"W	1.60	
9107.00	89.300	172.800	7960.66	1395.36	-1395.56	-44.99	655064.21	449466.63	32°14'04.941"N	103°49'54.620"W	13.24	
9201.00	89.300	170.800	7961.81	1488.45	-1488.59	-31.58	655077.62	449373.61	32°14'04.020"N	103°49'54.468"W	2.13	
9296.00	89.500	173.100	7962.80	1582.55	-1582.64	-18.28	655090.92	449279.56	32°14'03.088"N	103°49'54.319"W	2.43	
9390.00	90.200	175.500	7963.05	1676.12	-1676.17	-8.95	655100.25	449186.04	32°14'02.162"N	103°49'54.215"W	2.66	
9485.00	89.500	175.300	7963.30	1770.84	-1770.86	-1.33	655107.87	449091.35	32°14'01.225"N	103°49'54.132"W	0.77	
9581.00	90.000	177.600	7963.72	1866.67	-1866.67	-4.62	655113.82	448995.55	32°14'00.277"N	103°49'54.068"W	2.45	
9675.00	91.700	182.800	7962.32	1960.62	-1960.62	4.29	655113.49	448901.60	32°13'59.347"N	103°49'54.077"W	5.82	
9770.00	91.800	183.500	7959.42	2055.41	-2055.43	-0.93	655108.27	448806.80	32°13'58.409"N	103°49'54.142"W	0.74	
9865.00	89.300	178.500	7958.51	2150.35	-2150.38	-2.58	655106.62	448711.86	32°13'57.470"N	103°49'54.167"W	5.88	
9958.00	90.200	176.800	7958.91	2243.28	-2243.29	1.23	655110.43	448618.95	32°13'56.550"N	103°49'54.128"W	2.07	
10053.00	91.400	176.200	7957.59	2338.12	-2338.11	7.03	655116.23	448524.15	32°13'55.612"N	103°49'54.065"W	1.41	



Actual Wellpath Report

No. 3H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	OXY Permian	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No.3H
Field	(Nimitz) "12" Fed 3H Sec.12, T24S, R30E	Wellbore	No. 3H AWB
Facility	Nimitz 12 Fed No. 3H		

WELLPATH DATA (144 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
10149.00	91.200	176.000	7955.41	2433.89	-2433.86	13.56	655122.75	448428.40	32°13'54.664"N	103°49'53.994"W	0.29	
10243.00	89.000	176.400	7955.24	2527.71	-2527.65	19.78	655128.98	448334.62	32°13'53.735"N	103°49'53.927"W	2.38	
10338.00	90.300	177.400	7955.82	2622.58	-2622.50	24.92	655134.12	448239.77	32°13'52.797"N	103°49'53.872"W	1.73	
10431.00	89.300	179.400	7956.15	2715.55	-2715.46	27.52	655136.72	448146.82	32°13'51.877"N	103°49'53.847"W	2.40	
10526.00	88.900	179.800	7957.64	2810.54	-2810.45	28.18	655137.38	448051.84	32°13'50.937"N	103°49'53.845"W	0.60	
10622.00	91.800	182.200	7957.05	2906.50	-2906.41	26.51	655135.71	447955.88	32°13'49.987"N	103°49'53.869"W	3.92	
10716.00	90.600	183.200	7955.09	3000.35	-3000.28	22.08	655131.28	447862.01	32°13'49.058"N	103°49'53.926"W	1.66	
10811.00	89.300	183.200	7955.17	3095.18	-3095.13	16.78	655125.98	447767.17	32°13'48.120"N	103°49'53.993"W	1.37	
10905.00	89.000	183.200	7956.56	3189.00	-3188.98	11.53	655120.73	447673.33	32°13'47.192"N	103°49'54.059"W	0.32	
11000.00	89.100	181.400	7958.14	3283.89	-3283.88	7.72	655116.92	447578.43	32°13'46.253"N	103°49'54.109"W	1.90	
11105.00	89.800	182.100	7959.15	3388.82	-3388.83	4.51	655113.71	447473.49	32°13'45.214"N	103°49'54.152"W	0.94	
11200.00	89.800	181.600	7959.48	3483.75	-3483.78	1.45	655110.64	447378.55	32°13'44.275"N	103°49'54.192"W	0.53	
11294.00	89.800	180.500	7959.81	3577.73	-3577.76	-0.28	655108.92	447284.57	32°13'43.345"N	103°49'54.218"W	1.17	
11389.00	89.800	180.200	7960.14	3672.72	-3672.76	-0.86	655108.34	447189.58	32°13'42.405"N	103°49'54.230"W	0.32	
11483.00	90.100	179.400	7960.22	3766.72	-3766.76	-0.53	655108.67	447095.59	32°13'41.475"N	103°49'54.231"W	0.91	
11578.00	90.500	179.500	7959.72	3861.72	-3861.75	0.38	655109.58	447000.60	32°13'40.535"N	103°49'54.225"W	0.43	
11673.00	91.000	178.500	7958.48	3956.70	-3956.73	2.04	655111.24	446905.63	32°13'39.595"N	103°49'54.211"W	1.18	
11767.00	90.000	178.800	7957.66	4050.68	-4050.69	4.25	655113.45	446811.67	32°13'38.665"N	103°49'54.191"W	1.11	
11862.00	90.400	178.600	7957.33	4145.66	-4145.67	6.41	655115.61	446716.70	32°13'37.725"N	103°49'54.171"W	0.47	
11956.00	90.500	178.400	7956.59	4239.63	-4239.63	8.87	655118.07	446622.74	32°13'36.795"N	103°49'54.147"W	0.24	
12051.00	90.600	178.100	7955.68	4334.60	-4334.59	11.77	655120.97	446527.80	32°13'35.855"N	103°49'54.118"W	0.33	
12145.00	89.800	177.800	7955.35	4428.55	-4428.52	15.13	655124.33	446433.87	32°13'34.926"N	103°49'54.084"W	0.91	
12243.00	90.100	177.400	7955.43	4526.48	-4526.44	19.24	655128.44	446335.96	32°13'33.957"N	103°49'54.042"W	0.51	
12296.00	90.100	177.400	7955.34	4579.43	-4579.38	21.64	655130.84	446283.02	32°13'33.433"N	103°49'54.017"W	0.00	Proj to bit



Actual Wellpath Report
No. 3H AWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	OXY Permian	Slot	No. 3H SHL
Area	Eddy County, NM	Well	No.3H
Field	(Nimitz) "12" Fed 3H Sec.12, T24S, R30E	Wellbore	No. 3H AWP
Facility	Nimitz 12 Fed No. 3H		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
No. 3H PBHL		7962.00	-4588.00	18.90	655128.10	446274.40	32°13'33.348"N	103°49'54.049"W	point

WELLPATH COMPOSITION - Ref Wellbore: No. 3H AWP					Ref Wellpath: No. 3H AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model			Log Name/Comment			Wellbore	
0.00	4107.00	ISCWSA MWD, Rev. 2 (Standard)			SLB / MWD <184-4107>			No. 3H AWP	
4107.00	12243.00	NaviTrak (Standard)			BHI / Navitrak MWD <4201-xxxx>			No. 3H AWP	
12243.00	12296.00	Blind Drilling (std)			Projection to bit			No. 3H AWP	



OXY Permian

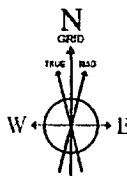
Location: Eddy County, NM
Field: (Nimitz) "12" Fed 3H Sec.12, T24S, R30E
Facility: Nimitz 12 Fed No. 3H

Slot: No. 3H SHL
Well: No.3H
Wellbore: No. 3H PWB



Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	7640.00	18.800	183.400	7631.31	-75.17	-2.15	0.00	75.16
Proj To Bit	7692.00	25.600	183.000	7679.43	-94.78	-3.24	13.08	94.76
EOC	8251.15	90.000	179.616	7962.00	-543.30	-8.22	11.53	543.26
No.3H PBHL	12295.94	90.000	179.616	7962.00	-4588.00	18.89	0.00	4588.04

Plot reference wellpath is Rev-C.0	
True vertical depths are referenced to Rig on No. 3H SHL (KB)	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No. 3H SHL (KB)	North Reference: Grid north
Rig on No. 3H SHL (KB) to Mean Sea Level: 3513.5 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: No. 3H SHL): -3489.5 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: gantbrly on 02/22/2013



BGGM (1945.0 to 2014.0) Dip: 60.07° Field: 48417.2 nT
Magnetic North is 7.62 degrees East of True North (at 01/15/2013)
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 7.35 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.35 = 97.35

