



Actual Wellpath Report

10 Fed No. 4 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	OXY Permian	Slot	Lost Tank 10 Fed No. 4
Area	Eddy County, NM	Well	10 Fed No. 4
Field	Lost Tank	Wellbore	10 Fed No. 4 AWB
Facility	Lost Tank Pad A		

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	Gomeoscr
Scale	0.999945	Report Generated	1/5/2011 at 7:36:32 AM
Convergence at slot	0.31° East	Database/Source file	WA Midland/10_Fed_No._4_AWB.xml

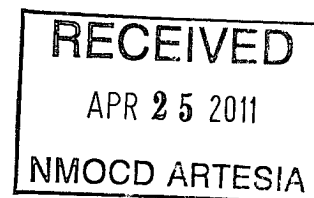
WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	100.61	-0.40	677702.50	514800.60	32°24'50.345"N	103°45'26.970"W
Facility Reference Pt			677702.90	514700.00	32°24'49.350"N	103°45'26.971"W
Field Reference Pt			677702.20	514850.60	32°24'50.840"N	103°45'26.970"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on Lost Tank 10 Fed No. 4 (KB) to Facility Vertical Datum	3525.70ft
Horizontal Reference Pt	Slot	Rig on Lost Tank 10 Fed No. 4 (KB) to Mean Sea Level	3525.70ft
Vertical Reference Pt	Rig on Lost Tank 10 Fed No. 4 (KB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on Lost Tank 10 Fed No. 4 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	193.40°

30-015-37961





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Field	Lost Tank	Wellbore	10 Fed No. 4 AWP
Facility	Lost Tank Pad A		

WELLPATH DATA (108 stations) † = interpolated/extrapolated station

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]
0.00†	0.000	316.970	0.00	0.00	0.00	0.00	677702.50	514800.60	32°24'50.345"N	103°45'26.970"W	0.00
16.50	0.000	316.970	16.50	0.00	0.00	0.00	677702.50	514800.60	32°24'50.345"N	103°45'26.970"W	0.00
109.70	0.190	316.970	109.70	-0.09	0.11	-0.11	677702.39	514800.71	32°24'50.347"N	103°45'26.971"W	0.20
201.30	0.180	333.100	201.30	-0.28	0.35	-0.27	677702.23	514800.95	32°24'50.349"N	103°45'26.973"W	0.06
286.10	0.280	343.420	286.10	-0.54	0.59	-0.17	677702.33	514801.19	32°24'50.351"N	103°45'26.971"W	0.37
376.40	0.150	31.340	376.40	-0.80	0.83	-0.02	677702.48	514801.43	32°24'50.354"N	103°45'26.970"W	0.30
466.70	0.040	350.550	466.70	-0.94	0.97	-0.04	677702.46	514801.57	32°24'50.355"N	103°45'26.970"W	0.14
556.30	0.190	336.950	556.30	-1.10	1.14	-0.04	677702.46	514801.74	32°24'50.357"N	103°45'26.970"W	0.18
646.00	0.200	334.100	646.00	-1.37	1.44	-0.13	677702.37	514802.04	32°24'50.360"N	103°45'26.971"W	0.05
751.00	0.400	326.100	751.00	-1.80	1.93	-0.36	677702.14	514802.53	32°24'50.365"N	103°45'26.974"W	0.19
887.00	0.440	326.900	886.99	-2.52	2.79	-0.86	677701.64	514803.39	32°24'50.373"N	103°45'26.979"W	0.05
1022.00	0.700	47.900	1021.99	-3.44	3.92	-1.60	677700.90	514804.52	32°24'50.384"N	103°45'26.988"W	0.19
1157.00	0.300	129.98	1156.98	-4.30	4.84	-1.79	677700.71	514805.44	32°24'50.393"N	103°45'26.990"W	0.53
1292.00	0.200	77.300	1291.98	-4.69	5.13	-1.30	677701.20	514805.73	32°24'50.396"N	103°45'26.984"W	0.12
1427.00	0.400	90.700	1426.98	-4.90	5.18	-0.59	677701.91	514805.78	32°24'50.397"N	103°45'26.976"W	0.16
1563.00	0.400	93.700	1562.97	-5.08	5.14	0.35	677702.85	514805.74	32°24'50.396"N	103°45'26.965"W	0.02
1698.00	0.500	127.100	1697.97	-4.93	4.76	1.29	677703.79	514805.36	32°24'50.392"N	103°45'26.954"W	0.20
1834.00	0.500	113.000	1833.97	-4.59	4.17	2.31	677704.81	514804.77	32°24'50.387"N	103°45'26.942"W	0.09
1969.00	0.500	116.400	1968.96	-4.36	3.67	3.38	677705.88	514804.27	32°24'50.382"N	103°45'26.930"W	0.02
2104.00	0.800	110.900	2103.95	-4.10	3.08	4.79	677707.29	514803.68	32°24'50.376"N	103°45'26.913"W	0.23
2240.00	1.100	126.300	2239.93	-3.47	1.96	6.73	677709.23	514802.56	32°24'50.364"N	103°45'26.891"W	0.29
2375.00	0.900	166.600	2374.91	-2.02	0.17	8.02	677710.52	514800.77	32°24'50.347"N	103°45'26.876"W	0.53
2510.00	1.300	167.600	2509.89	0.30	-2.36	8.59	677711.09	514798.24	32°24'50.322"N	103°45'26.869"W	0.30
2645.00	0.400	171.800	2644.87	2.12	-4.32	8.99	677711.49	514796.28	32°24'50.302"N	103°45'26.865"W	0.67
2780.00	0.100	99.400	2779.87	2.55	-4.81	9.17	677711.67	514795.79	32°24'50.297"N	103°45'26.863"W	0.28
2916.00	0.040	58.800	2915.87	2.51	-4.80	9.33	677711.83	514795.80	32°24'50.297"N	103°45'26.861"W	0.05
3051.00	0.500	314.400	3050.87	2.17	-4.37	8.95	677711.45	514796.23	32°24'50.302"N	103°45'26.865"W	0.38
3186.00	0.800	318.400	3185.86	1.33	-3.25	7.90	677710.40	514797.35	32°24'50.313"N	103°45'26.878"W	0.22
3322.00	0.600	88.800	3321.86	0.61	-2.53	7.99	677710.49	514798.07	32°24'50.320"N	103°45'26.877"W	0.94
3457.00	1.700	103.600	3456.83	0.43	-2.98	10.64	677713.14	514797.62	32°24'50.315"N	103°45'26.846"W	0.84
3593.00	0.600	154.500	3592.80	1.00	-4.10	12.91	677715.41	514796.50	32°24'50.304"N	103°45'26.819"W	1.03
3728.00	0.800	167.200	3727.79	2.39	-5.66	13.42	677715.92	514794.94	32°24'50.289"N	103°45'26.813"W	0.19
3863.00	0.600	139.100	3862.78	3.65	-7.11	14.09	677716.59	514793.49	32°24'50.274"N	103°45'26.806"W	0.29
3999.00	0.700	112.600	3998.77	4.20	-7.97	15.32	677717.82	514792.63	32°24'50.266"N	103°45'26.791"W	0.23
4043.00	0.800	114.200	4042.77	4.30	-8.20	15.85	677718.35	514792.40	32°24'50.263"N	103°45'26.785"W	0.23
4118.00	0.800	114.200	4117.76	4.49	-8.63	16.81	677719.31	514791.98	32°24'50.259"N	103°45'26.774"W	0.00
4145.00	0.970	122.740	4144.76	4.61	-8.83	17.17	677719.67	514791.77	32°24'50.257"N	103°45'26.770"W	0.80
4190.00	0.780	103.240	4189.75	4.73	-9.10	17.79	677720.29	514791.50	32°24'50.254"N	103°45'26.763"W	0.78
4235.00	0.320	263.700	4234.75	4.77	-9.19	17.96	677720.46	514791.41	32°24'50.254"N	103°45'26.761"W	2.42
4280.00	1.900	261.540	4279.74	5.09	-9.31	17.10	677719.60	514791.29	32°24'50.252"N	103°45'26.771"W	3.51
4325.00	3.350	257.390	4324.69	5.95	-9.71	15.08	677717.58	514790.89	32°24'50.249"N	103°45'26.794"W	3.25
4370.00	4.900	246.800	4369.58	7.67	-10.75	12.03	677714.53	514789.85	32°24'50.238"N	103°45'26.830"W	3.82
4415.00	6.650	246.280	4414.35	10.39	-12.56	7.88	677710.38	514788.04	32°24'50.221"N	103°45'26.878"W	3.89
4461.00	7.910	245.850	4459.97	13.92	-14.92	2.55	677705.05	514785.68	32°24'50.198"N	103°45'26.941"W	2.74
4506.00	8.390	244.620	4504.52	17.87	-17.60	-3.24	677699.26	514783.00	32°24'50.171"N	103°45'27.008"W	1.13



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Field	Lost Tank	Wellbore	10 Fed No. 4 AWP
Facility	Lost Tank Pad A		

WELLPATH DATA (108 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]
4551.00	8.560	244.300	4549.03	22.04	-20.46	-9.22	677693.28	514780.15	32°24'50.143"N	103°45'27.078"W	0.39
4596.00	8.730	242.410	4593.52	26.39	-23.49	-15.27	677687.23	514777.11	32°24'50.114"N	103°45'27.149"W	0.74
4641.00	9.110	234.160	4637.97	31.33	-27.16	-21.18	677681.32	514773.44	32°24'50.078"N	103°45'27.218"W	2.96
4686.00	10.240	229.760	4682.33	37.25	-31.83	-27.12	677675.38	514768.77	32°24'50.032"N	103°45'27.288"W	3.00
4731.00	11.480	225.520	4726.53	44.26	-37.55	-33.37	677669.13	514763.05	32°24'49.976"N	103°45'27.361"W	3.28
4776.00	13.110	220.310	4770.50	52.61	-44.58	-39.87	677662.63	514756.02	32°24'49.906"N	103°45'27.437"W	4.38
4821.00	14.040	214.540	4814.24	62.25	-52.97	-46.27	677656.24	514747.63	32°24'49.824"N	103°45'27.513"W	3.65
4866.00	15.310	211.500	4857.77	72.99	-62.53	-52.47	677650.04	514738.07	32°24'49.729"N	103°45'27.585"W	3.30
4911.00	16.750	208.360	4901.02	84.90	-73.30	-58.65	677643.85	514727.30	32°24'49.623"N	103°45'27.658"W	3.73
4957.00	17.870	207.140	4944.94	98.16	-85.42	-65.02	677637.48	514715.19	32°24'49.504"N	103°45'27.733"W	2.56
5002.00	18.490	203.930	4987.69	111.88	-98.08	-71.06	677631.44	514702.52	32°24'49.379"N	103°45'27.805"W	2.62
5047.00	18.600	201.870	5030.36	126.00	-111.27	-76.63	677625.87	514689.34	32°24'49.249"N	103°45'27.870"W	1.48
5092.00	19.410	201.380	5072.90	140.50	-124.89	-82.03	677620.47	514675.72	32°24'49.114"N	103°45'27.934"W	1.83
5137.00	19.620	200.560	5115.32	155.40	-138.93	-87.41	677615.09	514661.68	32°24'48.975"N	103°45'27.998"W	0.77
5182.00	20.710	197.860	5157.56	170.83	-153.57	-92.50	677610.00	514647.03	32°24'48.831"N	103°45'28.058"W	3.18
5227.00	21.600	196.890	5199.53	187.03	-169.07	-97.35	677605.15	514631.54	32°24'48.678"N	103°45'28.116"W	2.13
5272.00	22.440	196.710	5241.24	203.88	-185.22	-102.23	677600.28	514615.39	32°24'48.518"N	103°45'28.174"W	1.87
5317.00	24.180	195.060	5282.57	221.66	-202.35	-107.09	677595.41	514598.26	32°24'48.349"N	103°45'28.231"W	4.13
5362.00	25.820	195.940	5323.35	240.67	-220.68	-112.18	677590.33	514579.94	32°24'48.168"N	103°45'28.292"W	3.74
5407.00	27.480	196.420	5363.57	260.83	-240.06	-117.80	677584.70	514560.55	32°24'47.976"N	103°45'28.359"W	3.72
5452.00	28.300	195.490	5403.34	281.86	-260.30	-123.59	677578.92	514540.32	32°24'47.776"N	103°45'28.427"W	2.06
5498.00	29.310	195.640	5443.65	304.00	-281.65	-129.54	677572.97	514518.97	32°24'47.565"N	103°45'28.498"W	2.20
5543.00	31.780	195.760	5482.40	326.85	-303.66	-135.72	677566.78	514496.95	32°24'47.348"N	103°45'28.572"W	5.49
5588.00	33.160	195.820	5520.37	350.99	-326.91	-142.30	677560.21	514473.71	32°24'47.118"N	103°45'28.650"W	3.07
5633.00	34.340	194.370	5557.78	375.98	-351.05	-148.80	677553.70	514449.57	32°24'46.880"N	103°45'28.727"W	3.17
5678.00	36.290	194.250	5594.50	401.99	-376.25	-155.23	677547.28	514424.37	32°24'46.631"N	103°45'28.804"W	4.34
5723.00	37.780	194.230	5630.42	429.09	-402.52	-161.90	677540.61	514398.10	32°24'46.371"N	103°45'28.883"W	3.31
5768.00	37.940	194.300	5665.95	456.70	-429.29	-168.70	677533.80	514371.34	32°24'46.107"N	103°45'28.964"W	0.37
5813.00	38.420	193.580	5701.32	484.52	-456.29	-175.40	677527.11	514344.34	32°24'45.840"N	103°45'29.044"W	1.45
5858.00	38.810	192.790	5736.49	512.60	-483.63	-181.81	677520.70	514317.00	32°24'45.570"N	103°45'29.121"W	1.40
5903.00	38.850	193.350	5771.54	540.81	-511.11	-188.19	677514.32	514289.52	32°24'45.298"N	103°45'29.197"W	0.79
5994.00	38.320	193.770	5842.67	597.57	-566.28	-201.50	677501.02	514234.35	32°24'44.753"N	103°45'29.355"W	0.65
6084.00	38.330	193.370	5913.28	653.38	-620.54	-214.59	677487.92	514180.10	32°24'44.217"N	103°45'29.512"W	0.28
6174.00	39.400	192.440	5983.36	709.85	-675.58	-227.20	677475.32	514125.05	32°24'43.673"N	103°45'29.662"W	1.35
6264.00	38.830	191.980	6053.18	766.61	-731.08	-239.21	677463.31	514069.56	32°24'43.124"N	103°45'29.806"W	0.71
6354.00	40.200	193.220	6122.62	823.87	-786.96	-251.71	677450.81	514013.69	32°24'42.572"N	103°45'29.955"W	1.76
6489.00	39.120	193.320	6226.54	910.03	-870.82	-271.48	677431.03	513929.83	32°24'41.743"N	103°45'30.191"W	0.80
6580.00	40.470	192.660	6296.46	968.27	-927.57	-284.57	677417.95	513873.08	32°24'41.182"N	103°45'30.347"W	1.55
6670.00	41.380	190.760	6364.46	1027.19	-985.30	-296.53	677405.99	513815.36	32°24'40.612"N	103°45'30.490"W	1.71
6805.00	40.220	191.080	6466.66	1115.32	-1071.91	-313.23	677389.28	513728.75	32°24'39.756"N	103°45'30.690"W	0.87
6941.00	39.090	192.430	6571.36	1202.07	-1156.88	-330.90	677371.62	513643.79	32°24'38.916"N	103°45'30.902"W	1.04
7076.00	38.790	190.130	6676.37	1286.85	-1240.07	-347.50	677355.02	513560.60	32°24'38.093"N	103°45'31.101"W	1.09
7166.00	37.780	189.810	6747.02	1342.51	-1294.99	-357.16	677345.36	513505.68	32°24'37.550"N	103°45'31.217"W	1.14
7256.00	37.570	189.980	6818.25	1397.41	-1349.18	-366.61	677335.91	513451.50	32°24'37.015"N	103°45'31.330"W	0.26
7346.00	38.340	190.260	6889.21	1452.67	-1403.67	-376.34	677326.18	513397.01	32°24'36.476"N	103°45'31.447"W	0.88



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Facility	Lost Tank Pad A		

WELLPATH DATA (108 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]
7436.00	39.770	191.270	6959.10	1509.32	-1459.37	-386.94	677315.59	513341.31	32°24'35.925"N	103°45'31.574"W	1.74
7572.00	37.050	190.920	7065.66	1593.73	-1542.28	-403.20	677299.32	513258.41	32°24'35.106"N	103°45'31.769"W	2.01
7662.00	38.570	192.640	7136.76	1648.88	-1596.28	-414.48	677288.05	513204.41	32°24'34.572"N	103°45'31.904"W	2.06
7752.00	39.710	192.220	7206.57	1705.68	-1651.76	-426.70	677275.82	513148.93	32°24'34.024"N	103°45'32.050"W	1.30
7842.00	40.320	192.810	7275.50	1763.54	-1708.25	-439.25	677263.28	513092.45	32°24'33.466"N	103°45'32.200"W	0.80
7978.00	39.280	192.800	7379.98	1850.59	-1793.14	-458.54	677243.99	513007.56	32°24'32.627"N	103°45'32.431"W	0.76
8068.00	38.220	193.850	7450.17	1906.92	-1847.96	-471.52	677231.01	512952.75	32°24'32.085"N	103°45'32.585"W	1.39
8158.00	39.500	192.850	7520.25	1963.39	-1902.90	-484.55	677217.98	512897.81	32°24'31.542"N	103°45'32.741"W	1.58
8248.00	40.240	191.310	7589.33	2021.06	-1959.31	-496.61	677205.91	512841.40	32°24'30.984"N	103°45'32.885"W	1.37
8338.00	39.050	192.010	7658.63	2078.45	-2015.55	-508.22	677194.31	512785.17	32°24'30.429"N	103°45'33.024"W	1.41
8474.00	39.070	190.860	7764.23	2164.10	-2099.54	-525.20	677177.33	512701.18	32°24'29.598"N	103°45'33.227"W	0.53
8564.00	38.580	190.870	7834.35	2220.47	-2154.95	-535.84	677166.69	512645.77	32°24'29.051"N	103°45'33.355"W	0.54
8654.00	37.460	191.580	7905.25	2275.86	-2209.33	-546.63	677155.90	512591.40	32°24'28.513"N	103°45'33.484"W	1.34
8744.00	36.490	190.710	7977.15	2329.95	-2262.44	-557.09	677145.44	512538.29	32°24'27.988"N	103°45'33.609"W	1.22
8835.00	35.640	191.320	8050.71	2383.47	-2315.02	-567.33	677135.20	512485.71	32°24'27.468"N	103°45'33.732"W	1.01
8925.00	34.590	190.540	8124.33	2435.19	-2365.85	-577.15	677125.39	512434.89	32°24'26.966"N	103°45'33.850"W	1.27
8985.00	32.470	190.120	8174.34	2468.29	-2398.45	-583.09	677119.44	512402.28	32°24'26.644"N	103°45'33.921"W	3.55
9037.00	32.470	190.120	8218.21	2496.16	-2425.93	-588.00	677114.53	512374.80	32°24'26.372"N	103°45'33.980"W	0.00

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
10 No. 4 BC A		7884.00	-2210.02	-527.79	677174.74	512590.71	32°24'28.505"N	103°45'33.264"W	point
10 No. 4 BS		8154.20	-2405.74	-574.53	677128.00	512395.00	32°24'26.571"N	103°45'33.822"W	point

WELLPATH COMPOSITION Ref Wellbore: 10 Fed No. 4 AWB Ref Wellpath: 10 Fed No. 4 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.50	646.00	Generic gyro - northseeking (Standard)	Gyro	10 Fed No. 4 AWB
646.00	9037.00	NaviTrak (Standard)	MWD	10 Fed No. 4 AWB

Reset Form

INTEQ

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

STATE OF NEW MEXICO

COUNTY OF Eddy

I, Russell Kokosk, DD Field Service Engineer, certify that I am employed by INTEQ; did conduct or supervise on the
the day(s) of Dec 25, 2010 through Jan 4, 2011 the taking of a MWD survey from a depth of 751
feet to a depth of 9,037 feet; 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 Permian for the Lost Tank 10 Federal No.4
Well, API No. N/A in Eddy County, New Mexico; 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: Russell Kokosk