



Actual Wellpath Report

10 Fed No. 5 AWP

Page 1 of 5



REFERENCE WELLPATH IDENTIFICATION

Operator	OXY Permian	Slot	Lost Tank 10 Fed No. 5
Area	Eddy County, NM	Well	10 Fed No. 5
Field	Lost Tank	Wellbore	10 Fed No. 5 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	Victor Hernandez
Scale	0.999945	Report Generated	10/13/2010 at 7:49:37 AM
Convergence at slot	0.31° East	Database/Source file	WA_Midland/10_Fed_No._5_AWB.xn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.60	0.00	677702.90	514700.60	32°24'49.356"N	103°45'26.971"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. 5 (KB) to Facility Vertical Datum	3526.60ft
Horizontal Reference Pt	Slot	Rig on Lost Tank 10 Fed No. 5 (KB) to Mean Sea Level	3526.60ft
Vertical Reference Pt	Rig on Lost Tank 10 Fed No. 5 (KB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on Lost Tank 10 Fed No. 5 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	182.31°

API # 30-015-37924



Actual Wellpath Report

10 Fed No. 5 AWP

Page 2 of 5



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WELLPATH DATA (101 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	106.910	0.00	0.00	0.00	0.00	677702.90	514700.60	32°24'49.356"N	103°45'26.971"W	0.0
16.50	0.000	106.910	16.50	0.00	0.00	0.00	677702.90	514700.60	32°24'49.356"N	103°45'26.971"W	0.0
100.00	0.310	106.910	100.00	0.06	-0.07	0.22	677703.12	514700.53	32°24'49.355"N	103°45'26.969"W	0.3
200.00	0.310	324.840	200.00	-0.09	0.08	0.32	677703.22	514700.68	32°24'49.357"N	103°45'26.967"W	0.5
300.00	0.360	112.500	300.00	-0.62	-0.61	-0.17	677703.07	514701.21	32°24'49.362"N	103°45'26.969"W	0.2
400.00	0.420	35.200	400.00	-1.24	1.23	0.39	677703.29	514701.83	32°24'49.368"N	103°45'26.967"W	0.2
500.00	0.050	347.500	499.99	-1.59	1.57	0.59	677703.49	514702.17	32°24'49.371"N	103°45'26.964"W	0.3
600.00	0.210	91.400	599.99	-1.64	1.61	0.76	677703.66	514702.21	32°24'49.372"N	103°45'26.962"W	0.2
617.00	0.390	344.450	616.99	-1.69	1.66	0.78	677703.68	514702.26	32°24'49.372"N	103°45'26.962"W	2.9
716.00	0.440	359.600	715.99	-2.39	2.37	0.69	677703.59	514702.97	32°24'49.379"N	103°45'26.963"W	0.1
836.00	0.150	345.600	835.99	-3.00	2.98	0.64	677703.54	514703.58	32°24'49.385"N	103°45'26.963"W	0.2
971.00	0.290	315.400	970.99	-3.40	3.39	0.36	677703.26	514703.99	32°24'49.389"N	103°45'26.967"W	0.1
1107.00	0.340	339.900	1106.99	-4.01	4.02	-0.02	677702.88	514704.62	32°24'49.396"N	103°45'26.971"W	0.1
1242.00	0.390	348.700	1241.98	-4.83	4.84	-0.25	677702.65	514705.44	32°24'49.404"N	103°45'26.974"W	0.0
1377.00	0.040	60.500	1376.98	-5.30	5.32	-0.30	677702.60	514705.92	32°24'49.408"N	103°45'26.974"W	0.2
1513.00	0.150	345.200	1512.98	-5.50	5.51	-0.30	677702.60	514706.11	32°24'49.410"N	103°45'26.974"W	0.1
1648.00	0.060	331.600	1647.98	-5.73	5.75	-0.38	677702.52	514706.35	32°24'49.413"N	103°45'26.975"W	0.0
1828.00	0.290	334.400	1827.98	-6.21	6.24	-0.62	677702.28	514706.84	32°24'49.418"N	103°45'26.978"W	0.1
1964.00	0.150	302.800	1963.98	-6.60	6.65	-0.92	677701.98	514707.25	32°24'49.422"N	103°45'26.981"W	0.1
2099.00	0.200	36.000	2098.98	-6.89	6.93	-0.93	677701.97	514707.53	32°24'49.424"N	103°45'26.982"W	0.1
2234.00	0.110	16.200	2233.98	-7.21	7.25	-0.75	677702.15	514707.85	32°24'49.428"N	103°45'26.979"W	0.0
2370.00	0.310	10.500	2369.98	-7.70	7.73	-0.65	677702.25	514708.33	32°24'49.432"N	103°45'26.978"W	0.1
2505.00	0.180	19.500	2504.98	-8.27	8.29	-0.51	677702.39	514708.89	32°24'49.438"N	103°45'26.977"W	0.1
2640.00	0.500	356.300	2639.97	-9.05	9.08	-0.48	677702.42	514709.68	32°24'49.446"N	103°45'26.976"W	0.2
2775.00	0.580	348.300	2774.97	-10.30	10.34	-0.66	677702.24	514710.94	32°24'49.458"N	103°45'26.978"W	0.0
2911.00	0.570	270.700	2910.96	-10.95	11.02	-1.47	677701.43	514711.62	32°24'49.465"N	103°45'26.988"W	0.5
3181.00	0.730	267.300	3180.95	-10.76	10.96	-4.53	677698.37	514711.56	32°24'49.464"N	103°45'27.023"W	0.0
3316.00	0.240	168.700	3315.94	-10.41	10.64	-5.34	677697.56	514711.24	32°24'49.461"N	103°45'27.033"W	0.5
3497.00	1.000	136.000	3496.93	-8.96	9.13	-4.17	677698.73	514709.73	32°24'49.446"N	103°45'27.019"W	0.4
3722.00	0.900	116.200	3721.90	-6.88	6.94	-1.22	677701.68	514707.54	32°24'49.425"N	103°45'26.985"W	0.1



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10 Fed No. 5 AWP

Page 3 of 5



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Field	Lost Tank	Wellbore	10 Fed No. 5 AWB
Facility	Lost Tank Pad A		

WELLPATH DATA (101 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 [°/1000]
3857.00	1.450	111.100	3856.87	-5.90	5.85	1.33	677704.23	514706.45	32°24'49.414"N	103°45'26.955"W	0.4
3993.00	1.170	108.100	3992.84	-4.97	4.80	4.25	677707.15	514705.40	32°24'49.403"N	103°45'26.921"W	0.2
4062.00	1.150	104.400	4061.82	-4.63	4.41	5.59	677708.49	514705.01	32°24'49.399"N	103°45'26.906"W	0.1
4181.00	1.300	58.300	4180.80	-5.14	4.83	7.90	677710.80	514705.43	32°24'49.403"N	103°45'26.879"W	0.8
4226.00	1.200	84.400	4225.79	-5.49	5.14	8.80	677711.70	514705.74	32°24'49.406"N	103°45'26.868"W	1.2
4271.00	1.100	134.700	4270.78	-5.26	4.88	9.58	677712.48	514705.48	32°24'49.404"N	103°45'26.859"W	2.1
4316.00	2.000	170.600	4315.76	-4.20	3.80	10.01	677712.91	514704.40	32°24'49.393"N	103°45'26.854"W	2.8
4361.00	2.900	170.700	4360.72	-2.32	1.91	10.32	677713.22	514702.51	32°24'49.374"N	103°45'26.851"W	2.0
4406.00	3.300	178.300	4405.66	0.09	-0.51	10.55	677713.45	514700.09	32°24'49.350"N	103°45'26.848"W	1.2
4451.00	4.000	177.900	4450.56	2.94	-3.38	10.64	677713.54	514697.22	32°24'49.322"N	103°45'26.847"W	1.5
4496.00	4.800	178.900	4495.43	6.39	-6.83	10.74	677713.64	514693.77	32°24'49.288"N	103°45'26.846"W	1.7
4542.00	5.400	180.500	4541.25	10.47	-10.92	10.75	677713.65	514689.69	32°24'49.247"N	103°45'26.846"W	1.3
4587.00	6.700	176.800	4586.00	15.20	-15.65	10.88	677713.78	514684.95	32°24'49.200"N	103°45'26.845"W	3.0
4632.00	7.600	178.800	4630.65	20.79	-21.25	11.09	677713.99	514679.35	32°24'49.145"N	103°45'26.843"W	2.0
4677.00	9.000	179.500	4675.17	27.27	-27.75	11.18	677714.08	514672.86	32°24'49.081"N	103°45'26.842"W	3.1
4722.00	9.200	176.300	4719.61	34.37	-34.86	11.45	677714.35	514665.75	32°24'49.010"N	103°45'26.840"W	1.2
4767.00	9.800	177.800	4763.99	41.76	-42.27	11.83	677714.73	514658.33	32°24'48.937"N	103°45'26.836"W	1.4
4812.00	10.700	179.300	4808.27	49.75	-50.28	12.02	677714.92	514650.33	32°24'48.858"N	103°45'26.834"W	2.0
4857.00	12.200	177.900	4852.38	58.66	-59.21	12.25	677715.15	514641.40	32°24'48.769"N	103°45'26.832"W	3.3
4902.00	13.000	177.700	4896.29	68.45	-69.01	12.63	677715.53	514631.59	32°24'48.672"N	103°45'26.828"W	1.7
4947.00	13.700	178.500	4940.08	78.81	-79.40	12.97	677715.87	514621.21	32°24'48.569"N	103°45'26.825"W	1.6
4992.00	14.600	179.600	4983.71	89.79	-90.40	13.15	677716.05	514610.21	32°24'48.461"N	103°45'26.823"W	2.0
5037.00	15.200	179.300	5027.20	101.35	-101.97	13.26	677716.16	514598.64	32°24'48.346"N	103°45'26.823"W	1.3
5083.00	15.700	180.500	5071.53	113.59	-114.22	13.28	677716.18	514586.38	32°24'48.225"N	103°45'26.823"W	1.2
5128.00	16.000	181.600	5114.82	125.88	-126.51	13.05	677715.95	514574.10	32°24'48.103"N	103°45'26.827"W	0.9
5173.00	16.800	181.600	5157.99	138.59	-139.21	12.70	677715.60	514561.40	32°24'47.978"N	103°45'26.832"W	1.7
5218.00	17.700	183.200	5200.97	151.93	-152.54	12.14	677715.03	514548.07	32°24'47.846"N	103°45'26.839"W	2.2
5263.00	18.700	182.700	5243.72	165.98	-166.58	11.41	677714.31	514534.03	32°24'47.707"N	103°45'26.848"W	2.2
5308.00	19.600	183.500	5286.23	180.74	-181.32	10.61	677713.51	514519.29	32°24'47.561"N	103°45'26.859"W	2.0
5353.00	20.700	183.600	5328.47	196.24	-196.79	9.65	677712.55	514503.82	32°24'47.408"N	103°45'26.871"W	2.4



Actual Wellpath Report

10 Fed No. 5 AWP

Page 4 of 5

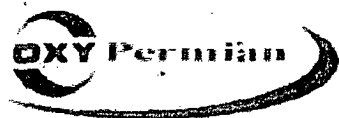


REFERENCE WELLPATH IDENTIFICATION

Operator	OXY Permian	Slot	Lost Tank 10 Fed No. 5
Area	Eddy County, NM	Well	10 Fed No. 5
Field	Lost Tank	Wellbore	10 Fed No. 5 AWB
Facility	Lost Tank Pad A		

WELLPATH DATA (101 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]
5398.00	21.900	183.500	5370.40	212.58	-213.10	8.64	677711.54	514487.51	32°24'47.247"N	103°45'26.884"W	2.6
5444.00	22.700	182.500	5412.96	230.04	-230.53	7.73	677710.63	514470.08	32°24'47.074"N	103°45'26.895"W	1.9
5489.00	23.500	183.500	5454.35	247.69	-248.16	6.80	677709.70	514452.45	32°24'46.900"N	103°45'26.907"W	1.9
5534.00	24.300	183.900	5495.49	265.91	-266.36	5.63	677708.53	514434.26	32°24'46.720"N	103°45'26.922"W	1.8
5579.00	25.400	182.000	5536.32	284.82	-285.24	4.66	677707.56	514415.38	32°24'46.533"N	103°45'26.935"W	3.0
5624.00	26.900	181.800	5576.71	304.65	-305.06	4.00	677706.90	514395.56	32°24'46.337"N	103°45'26.944"W	3.2
5669.00	28.300	182.300	5616.59	325.50	-325.90	3.26	677706.16	514374.72	32°24'46.131"N	103°45'26.954"W	3.1
5714.00	28.800	181.500	5656.12	347.01	-347.39	2.54	677705.44	514353.23	32°24'45.918"N	103°45'26.963"W	1.4
5805.00	28.700	182.700	5735.90	390.77	-391.13	0.94	677703.84	514309.49	32°24'45.486"N	103°45'26.985"W	0.6
5895.00	28.400	182.400	5814.96	433.79	-434.10	-0.97	677701.93	514266.53	32°24'45.060"N	103°45'27.010"W	0.3
5985.00	28.800	181.600	5893.98	476.87	-477.15	-2.48	677700.42	514223.47	32°24'44.635"N	103°45'27.030"W	0.6
6075.00	27.800	183.200	5973.22	519.53	-519.78	-4.25	677698.65	514180.85	32°24'44.213"N	103°45'27.053"W	1.3
6164.00	27.900	184.800	6051.91	561.09	-561.25	-7.15	677695.75	514139.38	32°24'43.803"N	103°45'27.090"W	0.8
6254.00	28.700	183.700	6131.16	603.73	-603.80	-10.31	677692.59	514096.83	32°24'43.382"N	103°45'27.129"W	1.0
6345.00	28.800	184.800	6210.94	647.47	-647.45	-13.55	677689.35	514053.19	32°24'42.950"N	103°45'27.170"W	0.5
6435.00	29.200	185.400	6289.66	691.05	-690.91	-17.43	677685.47	514009.73	32°24'42.520"N	103°45'27.218"W	0.5
6525.00	28.800	185.800	6368.37	734.61	-734.33	-21.69	677681.21	513966.31	32°24'42.091"N	103°45'27.270"W	0.4
6615.00	28.800	187.600	6447.24	777.84	-777.39	-26.75	677676.15	513923.25	32°24'41.665"N	103°45'27.332"W	0.9
6705.00	28.900	185.900	6526.07	821.13	-820.51	-31.85	677671.05	513880.13	32°24'41.239"N	103°45'27.394"W	0.9
6796.00	29.200	185.400	6605.62	865.24	-864.48	-36.20	677666.70	513836.16	32°24'40.804"N	103°45'27.448"W	0.4
6886.00	27.500	186.700	6684.83	907.88	-906.98	-40.69	677662.21	513793.67	32°24'40.383"N	103°45'27.503"W	2.0
6976.00	27.800	184.000	6764.55	949.58	-948.56	-44.58	677658.32	513752.10	32°24'39.972"N	103°45'27.551"W	1.4
7066.00	28.500	182.300	6843.91	992.03	-990.95	-46.91	677656.00	513709.71	32°24'39.553"N	103°45'27.581"W	1.1
7156.00	28.900	182.100	6922.85	1035.25	-1034.14	-48.56	677654.34	513666.52	32°24'39.126"N	103°45'27.603"W	0.4
7247.00	29.100	180.100	7002.44	1079.36	-1078.24	-49.41	677653.49	513622.42	32°24'38.689"N	103°45'27.615"W	1.6
7337.00	29.100	178.100	7081.08	1123.05	-1122.00	-48.72	677654.18	513578.66	32°24'38.256"N	103°45'27.610"W	1.0
7427.00	28.500	178.900	7159.95	1166.31	-1165.34	-47.58	677655.32	513535.32	32°24'37.827"N	103°45'27.599"W	0.7
7518.00	28.200	179.000	7240.04	1209.45	-1208.55	-46.79	677656.11	513492.12	32°24'37.400"N	103°45'27.593"W	0.3
7608.00	28.900	178.400	7319.09	1252.38	-1251.55	-45.81	677657.09	513449.12	32°24'36.974"N	103°45'27.584"W	0.8
7698.00	30.300	179.700	7397.35	1296.76	-1295.99	-45.09	677657.82	513404.68	32°24'36.534"N	103°45'27.578"W	1.7



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Page 5 of 5



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Facility	Lost Tank Pad A		

WELLPATH DATA (101 stations)

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7788.00	29.200	180.000	7475.48	1341.37	-1340.65	-44.97	677657.93	513360.02	32°24'36.092"N	103°45'27.580"W	1.2
7878.00	30.100	181.200	7553.70	1385.88	-1385.17	-45.44	677657.46	513315.51	32°24'35.652"N	103°45'27.588"W	1.2
7969.00	28.700	181.500	7632.98	1430.54	-1429.83	-46.49	677656.41	513270.85	32°24'35.210"N	103°45'27.603"W	1.5
8059.00	28.500	182.700	7712.00	1473.62	-1472.88	-48.07	677654.83	513227.80	32°24'34.784"N	103°45'27.624"W	0.6
8149.00	28.300	184.200	7791.17	1516.42	-1515.61	-50.64	677652.26	513185.08	32°24'34.362"N	103°45'27.657"W	0.8
8239.00	28.100	185.800	7870.48	1558.89	-1557.97	-54.35	677648.56	513142.72	32°24'33.943"N	103°45'27.703"W	0.8
8329.00	27.100	184.400	7950.24	1600.54	-1599.50	-58.06	677644.84	513101.19	32°24'33.532"N	103°45'27.749"W	1.3
8420.00	27.700	184.600	8031.03	1642.39	-1641.25	-61.35	677641.56	513059.45	32°24'33.119"N	103°45'27.790"W	0.6
8510.00	26.100	184.500	8111.29	1683.07	-1681.84	-64.58	677638.32	513018.86	32°24'32.717"N	103°45'27.830"W	1.7
8622.00	22.100	185.500	8213.51	1728.74	-1727.39	-68.53	677634.37	512973.31	32°24'32.267"N	103°45'27.879"W	3.5
8675.00	22.100	185.500	8262.61	1748.65	-1747.23	-70.44	677632.46	512953.46	32°24'32.071"N	103°45'27.903"W	0.0

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
10 No. 5 BC A		7887.00	-1588.98	-63.60	677639.30	513111.71	32°24'33.636"N	103°45'27.813"W	point
10 No. 5 BS		8162.00	-1736.20	-69.50	677633.40	512964.50	32°24'32.180"N	103°45'27.891"W	point

WELLPATH COMPOSITION Ref Wellbore: 10 Fed No. 5 AWP Ref Wellpath: 10 Fed No. 5 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.50	617.00	Generic gyro - continuous (Standard)	GYRO (100 - 617)	10 Fed No. 5 AWP
617.00	8622.00	NaviTrak (Standard)	MWD (716 - 8622)	10 Fed No. 5 AWP
8622.00	8675.00	Blind Drilling (std)	Projection to bit	10 Fed No. 5 AWP