

30-015-37922

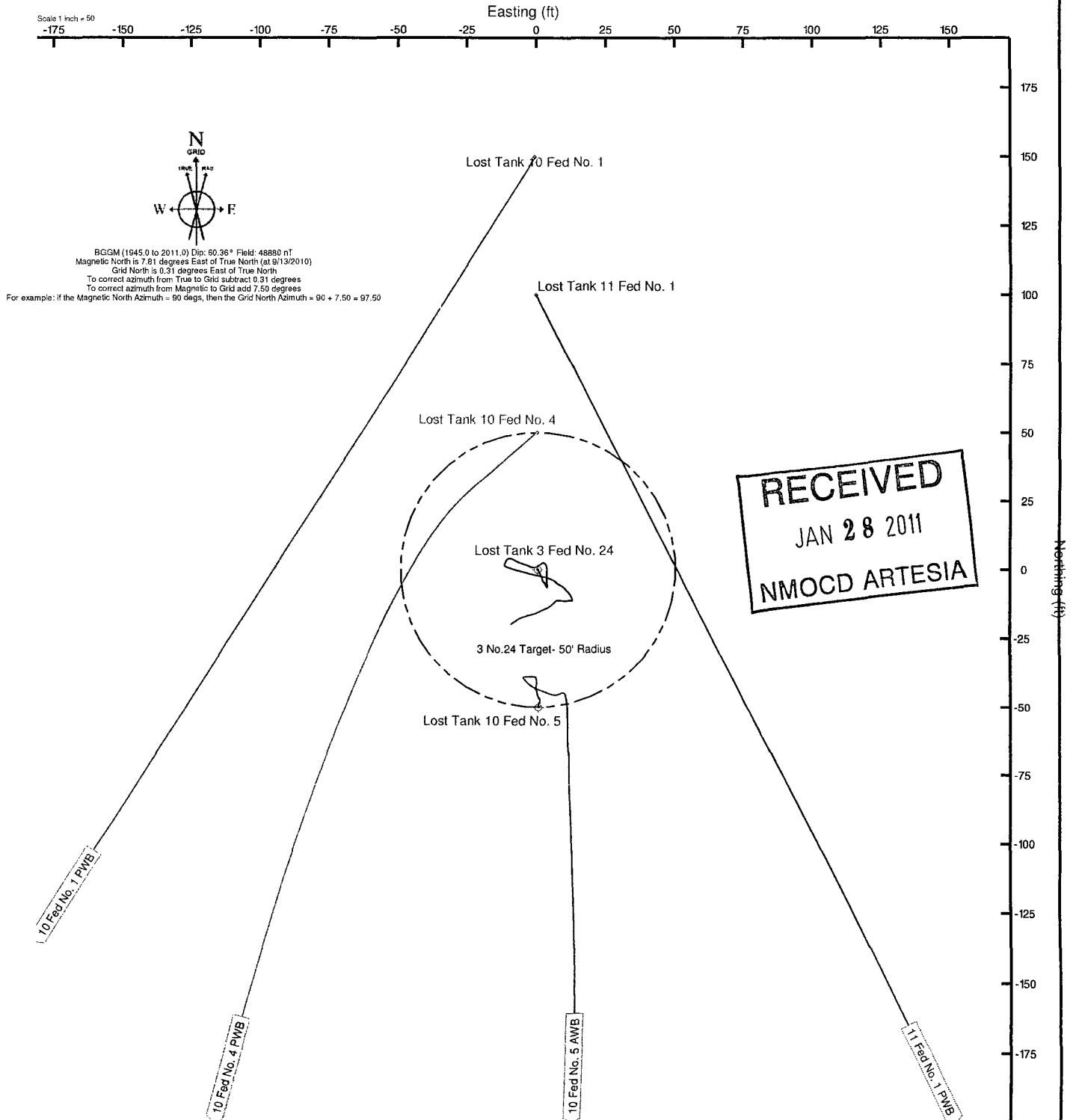


OXY Permian

Location: Eddy County, NM Slot: Lost Tank 3 Fed No. 24
 Field: Lost Tank Well: 3 Fed No. 24
 Facility: Lost Tank Pad A Wellbore: 3 Fed No. 24



Plot reference wellpath is 3 Fed No. 24_AWP	
True vertical depths are referenced to Rig on Lost Tank 3 Fed No. 24 (KB)	Grid System: NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on Lost Tank 3 Fed No. 24 (KB)	North Reference: Grid north
Rig on Lost Tank 3 Fed No. 24 (KB) to Mean Sea Level: 3526.1 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: Lost Tank Pad A): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: gomeoscr on 11/19/2010



Reset Form

INTEQ

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

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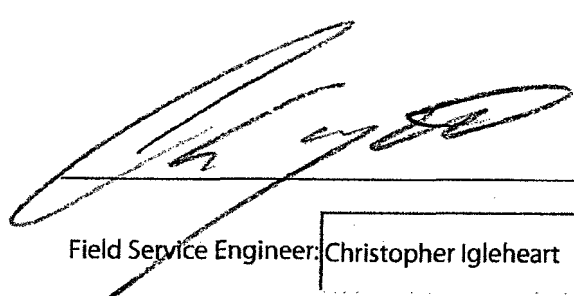
STATE OF NEW MEXICO

COUNTY OF Eddy

I, Christopher Igleheart, DD Field Service Engineer, certify that I am employed by INTEQ; did conduct or supervise on the
the day(s) of Nov 17, 2010 through Nov 23, 2010 the taking of a MWD survey from a depth of 746
feet to a depth of 7,960 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 3 Federal No. 24

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: Christopher Igleheart



Actual Wellpath Report

3 Fed No. 24_AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	OXY Permian	Slot	Lost Tank 3 Fed No. 24
Area	Eddy County, NM	Well	3 Fed No. 24
Field	Lost Tank	Wellbore	3 Fed No. 24
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	11/29/2010 at 7:45:28 AM
Convergence at slot	0.31° East	Database/Source file	WA Midland/3_Fed_No._24.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	50.60	-0.20	677702.70	514750.60	32°24'49.851"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 3 Fed No. 24 (KB) to Facility Vertical Datum	3526.10ft
Horizontal Reference Pt	Slot	Rig on Lost Tank 3 Fed No. 24 (KB) to Mean Sea Level	3526.10ft
Vertical Reference Pt	Rig on Lost Tank 3 Fed No. 24 (KB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on Lost Tank 3 Fed No. 24 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	0.00°

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Actual Wellpath Report

3 Fed No. 24_AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	OXY Permian	Slot	Lost Tank 3 Fed No. 24
Area	Eddy County, NM	Well	3 Fed No. 24
Field	Lost Tank	Wellbore	3 Fed No. 24
Facility	Lost Tank Pad A		

WELLPATH DATA (78 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	138.680	0.00	0.00	0.00	0.00	677702.70	514750.60	32°24'49.851"N	103°45'26.970"W	0.00	
32.30	0.320	138.680	32.30	-0.07	-0.07	0.06	677702.76	514750.53	32°24'49.850"N	103°45'26.970"W	0.99	
62.90	0.410	139.350	62.90	-0.21	-0.21	0.19	677702.89	514750.39	32°24'49.848"N	103°45'26.968"W	0.29	
93.10	0.450	148.210	93.10	-0.40	-0.40	0.32	677703.02	514750.20	32°24'49.847"N	103°45'26.967"W	0.26	
122.60	0.450	151.820	122.60	-0.60	-0.60	0.44	677703.14	514750.00	32°24'49.845"N	103°45'26.965"W	0.10	
155.60	0.430	152.020	155.60	-0.82	-0.82	0.56	677703.26	514749.78	32°24'49.842"N	103°45'26.964"W	0.06	
184.50	0.400	155.550	184.50	-1.01	-1.01	0.65	677703.35	514749.59	32°24'49.841"N	103°45'26.963"W	0.14	
214.30	0.390	154.970	214.30	-1.20	-1.20	0.73	677703.43	514749.40	32°24'49.839"N	103°45'26.962"W	0.04	
243.90	0.410	154.920	243.89	-1.38	-1.38	0.82	677703.52	514749.22	32°24'49.837"N	103°45'26.961"W	0.07	
272.70	0.410	154.500	272.69	-1.57	-1.57	0.91	677703.61	514749.03	32°24'49.835"N	103°45'26.960"W	0.01	
301.10	0.400	152.390	301.09	-1.75	-1.75	1.00	677703.70	514748.85	32°24'49.833"N	103°45'26.959"W	0.06	
330.20	0.410	152.240	330.19	-1.93	-1.93	1.09	677703.79	514748.67	32°24'49.831"N	103°45'26.958"W	0.03	
360.60	0.440	153.750	360.59	-2.13	-2.13	1.20	677703.90	514748.47	32°24'49.829"N	103°45'26.956"W	0.11	
390.60	0.440	150.730	390.59	-2.34	-2.34	1.30	677704.00	514748.26	32°24'49.827"N	103°45'26.955"W	0.08	
421.30	0.480	146.570	421.29	-2.55	-2.55	1.43	677704.13	514748.05	32°24'49.825"N	103°45'26.954"W	0.17	
451.30	0.500	149.400	451.29	-2.76	-2.76	1.57	677704.27	514747.84	32°24'49.823"N	103°45'26.952"W	0.10	
481.30	0.460	154.770	481.29	-2.99	-2.99	1.69	677704.39	514747.61	32°24'49.821"N	103°45'26.951"W	0.20	
511.00	0.420	165.090	510.99	-3.20	-3.20	1.77	677704.47	514747.40	32°24'49.819"N	103°45'26.950"W	0.30	
540.60	0.390	167.350	540.59	-3.40	-3.40	1.82	677704.52	514747.20	32°24'49.817"N	103°45'26.949"W	0.11	
570.20	0.350	169.730	570.19	-3.59	-3.59	1.85	677704.55	514747.01	32°24'49.815"N	103°45'26.949"W	0.14	
600.50	0.290	168.590	600.48	-3.76	-3.76	1.89	677704.59	514746.85	32°24'49.813"N	103°45'26.949"W	0.20	
631.30	0.300	170.820	631.28	-3.91	-3.91	1.91	677704.61	514746.69	32°24'49.812"N	103°45'26.948"W	0.05	
651.30	0.310	173.830	651.28	-4.02	-4.02	1.93	677704.63	514746.58	32°24'49.811"N	103°45'26.948"W	0.09	
746.00	0.300	133.100	745.98	-4.44	-4.44	2.14	677704.84	514746.16	32°24'49.807"N	103°45'26.946"W	0.22	
882.00	0.200	135.200	881.98	-4.85	-4.85	2.56	677705.26	514745.75	32°24'49.802"N	103°45'26.941"W	0.07	
1017.00	0.200	153.200	1016.98	-5.23	-5.23	2.84	677705.54	514745.37	32°24'49.799"N	103°45'26.938"W	0.05	
1152.00	0.300	159.800	1151.98	-5.77	-5.77	3.06	677705.76	514744.83	32°24'49.793"N	103°45'26.935"W	0.08	
1288.00	0.300	143.500	1287.98	-6.39	-6.39	3.40	677706.10	514744.21	32°24'49.787"N	103°45'26.931"W	0.06	
1423.00	0.500	357.900	1422.98	-6.09	-6.09	3.59	677706.29	514744.51	32°24'49.790"N	103°45'26.929"W	0.57	
1558.00	0.600	350.600	1557.97	-4.80	-4.80	3.45	677706.15	514745.80	32°24'49.803"N	103°45'26.930"W	0.09	
1694.00	0.600	0.900	1693.96	-3.39	-3.39	3.35	677706.04	514747.21	32°24'49.817"N	103°45'26.932"W	0.08	
1829.00	0.700	0.100	1828.95	-1.86	-1.86	3.36	677706.06	514748.74	32°24'49.832"N	103°45'26.931"W	0.07	
1964.00	0.900	3.100	1963.94	0.03	0.03	3.42	677706.12	514750.63	32°24'49.851"N	103°45'26.930"W	0.15	
2099.00	0.800	322.600	2098.93	1.84	1.84	2.90	677705.60	514752.43	32°24'49.869"N	103°45'26.936"W	0.44	
2235.00	0.400	235.400	2234.92	2.32	2.32	1.93	677704.63	514752.92	32°24'49.873"N	103°45'26.948"W	0.64	
2370.00	0.400	235.500	2369.92	1.79	1.79	1.16	677703.86	514752.39	32°24'49.868"N	103°45'26.957"W	0.00	
2505.00	0.500	234.300	2504.91	1.17	1.17	0.29	677702.99	514751.77	32°24'49.862"N	103°45'26.967"W	0.07	
2640.00	0.400	259.200	2639.91	0.74	0.74	-0.65	677702.05	514751.34	32°24'49.858"N	103°45'26.978"W	0.16	
2776.00	0.400	272.700	2775.91	0.68	0.68	-1.59	677701.11	514751.28	32°24'49.857"N	103°45'26.989"W	0.07	
2911.00	0.700	295.400	2910.90	1.05	1.05	2.81	677699.89	514751.65	32°24'49.861"N	103°45'27.003"W	0.27	
3047.00	1.500	288.000	3046.87	1.96	1.96	-5.25	677697.45	514752.56	32°24'49.870"N	103°45'27.031"W	0.60	
3182.00	1.300	299.300	3181.83	3.25	3.25	-8.27	677694.43	514753.85	32°24'49.883"N	103°45'27.067"W	0.25	
3227.00	1.000	293.900	3226.82	3.66	3.66	-9.07	677693.63	514754.26	32°24'49.887"N	103°45'27.076"W	0.71	
3363.00	0.500	238.600	3362.81	3.83	3.83	-10.66	677692.04	514754.43	32°24'49.889"N	103°45'27.094"W	0.61	
3498.00	0.600	203.100	3497.81	2.88	2.88	-11.44	677691.26	514753.48	32°24'49.880"N	103°45'27.104"W	0.26	



Actual Wellpath Report

3 Fed No. 24_AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	OXY Permian	Slot	Lost Tank 3 Fed No. 24
Area	Eddy County, NM	Well	3 Fed No. 24
Field	Lost Tank	Wellbore	3 Fed No. 24
Facility	Lost Tank Pad A		

WELLPATH DATA (78 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
3634.00	0.500	204.500	3633.80	1.68	1.68	-11.97	677690.73	514752.28	32°24'49.868"N	103°45'27.110"W	0.07	
3769.00	1.100	109.100	3768.79	0.72	0.72	-10.99	677691.71	514751.32	32°24'49.858"N	103°45'27.098"W	0.93	
3904.00	1.800	105.100	3903.75	-0.25	-0.25	-7.72	677694.99	514750.35	32°24'49.849"N	103°45'27.060"W	0.52	
3987.00	2.200	105.600	3986.70	-1.02	-1.02	-4.92	677697.78	514749.58	32°24'49.841"N	103°45'27.028"W	0.48	
4144.00	2.100	101.000	4143.59	-2.38	-2.38	-0.80	677703.50	514748.22	32°24'49.827"N	103°45'26.961"W	0.13	
4279.00	0.800	112.600	4278.54	-3.22	-3.22	4.10	677706.80	514747.38	32°24'49.819"N	103°45'26.923"W	0.98	
4414.00	0.700	116.900	4413.53	-3.95	-3.95	5.71	677708.41	514746.65	32°24'49.811"N	103°45'26.904"W	0.08	
4550.00	0.500	135.000	4549.52	-4.75	-4.75	6.87	677709.57	514745.85	32°24'49.803"N	103°45'26.891"W	0.20	
4685.00	0.700	119.200	4684.51	-5.57	-5.57	8.00	677710.70	514745.04	32°24'49.795"N	103°45'26.877"W	0.19	
4821.00	0.500	126.300	4820.51	-6.32	-6.32	9.21	677711.91	514744.28	32°24'49.788"N	103°45'26.863"W	0.16	
4956.00	0.600	139.900	4955.50	-7.21	-7.21	10.14	677712.84	514743.39	32°24'49.779"N	103°45'26.853"W	0.12	
5091.00	0.500	137.600	5090.49	-8.19	-8.19	10.99	677713.69	514742.41	32°24'49.769"N	103°45'26.843"W	0.08	
5227.00	0.600	150.000	5226.49	-9.24	-9.24	11.75	677714.45	514741.36	32°24'49.759"N	103°45'26.834"W	0.11	
5362.00	0.700	155.000	5361.48	-10.60	-10.60	12.45	677715.15	514740.00	32°24'49.745"N	103°45'26.826"W	0.09	
5497.00	0.500	278.000	5496.48	-11.27	-11.27	12.21	677714.91	514739.33	32°24'49.738"N	103°45'26.829"W	0.78	
5633.00	0.300	256.000	5632.47	-11.27	-11.27	11.28	677713.98	514739.33	32°24'49.739"N	103°45'26.839"W	0.18	
5768.00	0.300	268.000	5767.47	-11.37	-11.37	10.58	677713.28	514739.23	32°24'49.738"N	103°45'26.848"W	0.05	
6039.00	0.400	272.900	6038.47	-11.34	-11.34	8.93	677711.63	514739.26	32°24'49.738"N	103°45'26.867"W	0.04	
6174.00	0.400	277.600	6173.46	-11.26	-11.26	7.99	677710.69	514739.34	32°24'49.739"N	103°45'26.878"W	0.02	
6309.00	0.000	97.800	6308.46	-11.20	-11.20	7.53	677710.23	514739.40	32°24'49.739"N	103°45'26.883"W	0.30	
6445.00	0.200	268.900	6444.46	-11.20	-11.20	7.29	677709.99	514739.40	32°24'49.739"N	103°45'26.886"W	0.15	
6580.00	0.700	225.300	6579.46	-11.79	-11.79	6.47	677709.17	514738.82	32°24'49.734"N	103°45'26.896"W	0.42	
6716.00	0.700	230.900	6715.45	-12.89	-12.89	5.23	677707.93	514737.71	32°24'49.723"N	103°45'26.910"W	0.05	
6851.00	0.600	240.200	6850.44	-13.77	-13.77	3.98	677706.68	514736.84	32°24'49.714"N	103°45'26.925"W	0.11	
6986.00	0.700	246.200	6985.43	-14.45	-14.45	2.61	677705.31	514736.15	32°24'49.708"N	103°45'26.941"W	0.09	
7121.00	0.600	243.300	7120.42	-15.10	-15.10	1.22	677703.92	514735.50	32°24'49.701"N	103°45'26.957"W	0.08	
7257.00	0.700	247.000	7256.41	-15.74	-15.74	-0.18	677702.52	514734.86	32°24'49.695"N	103°45'26.973"W	0.08	
7392.00	0.800	256.000	7391.40	-16.29	-16.29	-1.85	677700.85	514734.31	32°24'49.689"N	103°45'26.993"W	0.11	
7527.00	0.700	253.700	7526.39	-16.75	-16.75	-3.56	677699.14	514733.85	32°24'49.685"N	103°45'27.013"W	0.08	
7663.00	0.900	250.000	7662.38	-17.35	-17.35	-5.36	677697.34	514733.25	32°24'49.679"N	103°45'27.034"W	0.15	
7798.00	0.900	235.400	7797.36	-18.32	-18.32	-7.23	677695.47	514732.28	32°24'49.670"N	103°45'27.056"W	0.17	
7906.00	1.100	237.000	7905.34	-19.36	-19.36	-8.79	677693.91	514731.24	32°24'49.659"N	103°45'27.074"W	0.19	
7960.00	1.100	237.000	7959.33	-19.93	-19.93	-9.66	677693.04	514730.67	32°24'49.654"N	103°45'27.084"W	0.00	Proj to Bit



Actual Wellpath Report

3 Fed No. 24_AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	OXY Permian	Slot	Lost Tank 3 Fed No. 24
Area	Eddy County, NM	Well	3 Fed No. 24
Field	Lost Tank	Wellbore	3 Fed No. 24
Facility	Lost Tank Pad A		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
3 No.24 Target- 50' Radius		8259.00	0.00	0.00	677702.70	514750.60	32°24'49.851"N	103°45'26.970"W	circle

WELLPATH COMPOSITION Ref Wellbore: 3 Fed No. 24 Ref Wellpath: 3 Fed No. 24_AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	651.30	Generic gyro - northseeking (Standard)	Gryo	3 Fed No. 24
651.30	7960.00	NaviTrak (Standard)	MWD	3 Fed No. 24