Actual Wellpath Report

3 Fed No. 20 AWP

BAKER HUGHES INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	**OXY Permian**	Slot	**Lost Tank 3 Fed No. 20**
Area	**Eddy County, NM**	Well	**3 Fed No. 20**
Field	**Lost Tank**	Wellbore	**3 Fed No. 20 AWB**
Facility	**Lost Tank Pad C**		

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	**0.999944**	Report Generated	**1/17/2011** at **2:27:40 PM**
Convergence at slot	**0.31° East**	Database/Source file	**WA Midland/3_Fed_No._20_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**	675692.60	516896.80	32°25'11.195"N	103°45'50.285"W
Facility Reference Pt			**675692.60**	**516896.80**	32°25'11.195"N	103°45'50.285"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. 20 (KB) to Facility Vertical Datum	**3504.80ft**
Horizontal Reference Pt	**Slot**	Rig on Lost Tank 3 Fed No. 20 (KB) to Mean Sea Level	**3504.80ft**
Vertical Reference Pt	**Rig on Lost Tank 3 Fed No. 20 (KB)**	Facility Vertical Datum to Mud Line (Facility)	**0.00ft**
MD Reference Pt	**Rig on Lost Tank 3 Fed No. 20 (KB)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**Mean Sea Level**	Section Azimuth	**0.00°**

30-015-37919

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Field	**Lost Tank**	Wellbore	**3 Fed No. 20 AWB**
Facility	**Lost Tank Pad C**		

WELLPATH DATA (34 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	86.670	0.00	0.00	0.00	0.00	675692.60	516896.80	32°25'11.195"N	103°45'50.285"W	0.00	
108.70	1.020	86.670	108.69	0.06	0.06	0.97	675693.57	516896.86	32°25'11.196"N	103°45'50.274"W	0.94	
201.40	1.290	73.010	201.38	0.41	0.41	2.79	675695.39	516897.21	32°25'11.199"N	103°45'50.253"W	0.41	
285.50	1.210	84.000	285.46	0.78	0.78	4.58	675697.18	516897.58	32°25'11.203"N	103°45'50.232"W	0.30	
371.80	1.190	83.540	371.74	0.97	0.97	6.37	675698.97	516897.77	32°25'11.204"N	103°45'50.211"W	0.03	
462.10	1.210	101.500	462.02	0.89	0.89	8.24	675700.84	516897.69	32°25'11.203"N	103°45'50.189"W	0.42	
551.60	1.280	82.370	551.50	0.83	0.83	10.16	675702.75	516897.63	32°25'11.203"N	103°45'50.167"W	0.47	
641.50	1.180	80.470	641.38	1.12	1.12	12.06	675704.66	516897.92	32°25'11.206"N	103°45'50.144"W	0.12	
663.50	1.190	77.030	663.37	1.21	1.21	12.51	675705.11	516898.01	32°25'11.206"N	103°45'50.139"W	0.33	
718.00	0.800	76.700	717.86	1.42	1.42	13.43	675706.03	516898.22	32°25'11.208"N	103°45'50.128"W	0.72	
839.00	0.700	61.900	838.85	1.97	1.97	14.91	675707.50	516898.77	32°25'11.214"N	103°45'50.111"W	0.18	
974.00	1.900	24.600	973.82	4.39	4.39	16.56	675709.16	516901.19	32°25'11.238"N	103°45'50.092"W	1.04	
1109.00	2.100	16.500	1108.74	8.80	8.80	18.20	675710.80	516905.60	32°25'11.281"N	103°45'50.072"W	0.26	
1245.00	2.600	18.800	1244.62	14.11	14.11	19.90	675712.50	516910.90	32°25'11.334"N	103°45'50.052"W	0.37	
1380.00	2.800	21.600	1379.47	20.07	20.07	22.10	675714.70	516916.87	32°25'11.393"N	103°45'50.026"W	0.18	
1516.00	3.400	25.200	1515.27	26.81	26.81	25.04	675717.64	516923.61	32°25'11.459"N	103°45'49.991"W	0.46	
1651.00	3.500	23.700	1650.03	34.20	34.20	28.40	675721.00	516931.00	32°25'11.532"N	103°45'49.952"W	0.10	
1786.00	3.800	18.500	1784.75	42.22	42.22	31.48	675724.08	516939.02	32°25'11.611"N	103°45'49.915"W	0.33	
1921.00	2.800	9.300	1919.53	49.72	49.72	33.43	675726.03	516946.51	32°25'11.685"N	103°45'49.892"W	0.84	
2057.00	3.100	10.000	2055.35	56.62	56.62	34.61	675727.20	516953.41	32°25'11.753"N	103°45'49.878"W	0.22	
2192.00	2.800	10.900	2190.17	63.45	63.45	35.86	675728.46	516960.24	32°25'11.821"N	103°45'49.863"W	0.22	
2327.00	1.500	6.700	2325.07	68.44	68.44	36.69	675729.29	516965.24	32°25'11.870"N	103°45'49.853"W	0.97	
2462.00	1.000	14.800	2460.04	71.33	71.33	37.20	675729.80	516968.13	32°25'11.899"N	103°45'49.847"W	0.39	
2598.00	2.200	19.100	2595.98	74.95	74.95	38.36	675730.95	516971.74	32°25'11.935"N	103°45'49.833"W	0.89	
2733.00	1.900	26.400	2730.90	79.40	79.40	40.20	675732.80	516976.20	32°25'11.979"N	103°45'49.811"W	0.29	
2868.00	1.800	33.500	2865.83	83.17	83.17	42.37	675734.96	516979.97	32°25'12.016"N	103°45'49.786"W	0.19	
3004.00	2.200	40.600	3001.74	86.94	86.94	45.24	675737.84	516983.73	32°25'12.053"N	103°45'49.752"W	0.35	
3139.00	2.000	66.200	3136.66	89.86	89.86	49.08	675741.68	516986.65	32°25'12.082"N	103°45'49.707"W	0.70	
3274.00	2.300	77.300	3271.56	91.40	91.40	53.88	675746.48	516988.20	32°25'12.097"N	103°45'49.651"W	0.38	
3409.00	1.900	78.500	3406.47	92.44	92.44	58.72	675751.32	516989.24	32°25'12.107"N	103°45'49.594"W	0.30	
3545.00	2.200	64.200	3542.38	94.03	94.03	63.28	675755.87	516990.82	32°25'12.122"N	103°45'49.541"W	0.43	
3680.00	3.400	60.600	3677.22	97.12	97.12	69.10	675761.69	516993.92	32°25'12.152"N	103°45'49.473"W	0.90	
3815.00	2.900	51.500	3812.02	101.21	101.21	75.26	675767.85	516998.01	32°25'12.193"N	103°45'49.401"W	0.52	
3922.00	2.900	51.500	3918.88	104.58	104.58	79.50	675772.09	517001.38	32°25'12.226"N	103°45'49.351"W	0.00	Proj to Bit

WELLPATH COMPOSITION Ref Wellbore: 3 Fed No. 20 AWB Ref Wellpath: 3 Fed No. 20 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	663.50	Generic gyro - northseeking (Standard)	Gyro	3 Fed No. 20 AWB
663.50	3922.00	NaviTrak (Standard)	MWD	3 Fed No. 20 AWB

BAKER HUGHES
INTEQ

Reset Form

INTEQ

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

STATE OF NEW MEXICO

COUNTY OF Eddy

I, Homer Coldiron , DD Field Service Engineer, certify that I am employed by INTEQ ; did conduct or supervise on the the day(s) of Dec 13, 2010 through Dec 15, 2010 the taking of a MWD survey from a depth of 718 feet to a depth of 3,922 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. 20 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: Homer Coldiron