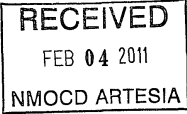


30-015-37997

REFERENCE WELLPATH IDENTIFICATION

Operator	Yates Petroleum Corporation
Area	Eddy County, NM
Field	(Rudolph) Sec 16, T19S, R31E
Facility	Rudolph ATX State Com
Slot	No. 3H SHL
Well	No. 3H
Wellbore	No.3H AWPB
Wellpath	No.3H AWP
Sidetrack	(none)



REPORT SETUP INFORMATION

Projection System	NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet
North Reference	Grid
Scale	0.999931
Convergence at slot	0.24° East
Software System	WellArchitect®
User	Gomeoscr
Report Generated	11/29/2010 at 8:18:18 AM
DataBase/Source file	WA Midland/ev1213.xml

WELLPATH LOCATION

	Local North [ft]	Local East [ft]	Grid East [ft]	Grid North [ft]	Latitude	Longitude
Slot Location	0	0	680636.1	601992.6	32°39'14	103°52'50.610"W
Facility Reference Pt			680636.1	601992.6	32°39'14	103°52'50.610"W
Field Reference Pt			680636.1	601992.6	32°39'14	103°52'50.610"W

WELLPATH DATUM

Calculation method	Minimum curvature
Horizontal Reference Point	Slot
Vertical Reference Point	Rig on No. 3H SHL (KB)
MD Reference Point	Rig on No. 3H SHL (KB)
Field Vertical Reference	Mean Sea Level
Rig on No. 3H SHL (KB) to Facility Vertical Datum	3490.80ft
Rig on No. 3H SHL (KB) to Mean Sea Level	3490.80ft
Facility Vertical Datum to Mud Line (Facility)	0.00ft
Section Origin X	0.00ft
Section Origin Y	0.00ft
Section Azimuth	359.63°

WELLPATH DATA Wellbore: No.3H AWP Wellpath: No.3H AWP † = interpolated/extrapolated station															
†	MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	DLS	Comments		
	[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[srv ft]	[srv ft]			["/100ft]			
	0	0	286.02		0	0	0	680636.13	601992.62	32°39'14.792"N	103°52'50.610"W	0			
	18.8	0	286.02	18.8	0	0	0	680636.13	601992.62	32°39'14.792"N	103°52'50.610"W	0			
	200	0.06	286.02	200	0.03	0.03	-0.09	680636.04	601992.65	32°39'14.792"N	103°52'50.611"W	0.03			
	400	0.33	202.66	400	-0.47	-0.48	-0.41	680635.72	601992.14	32°39'14.787"N	103°52'50.615"W	0.16			
	600	0.47	87.15	600	-0.97	-0.97	0.18	680636.31	601991.65	32°39'14.782"N	103°52'50.608"W	0.34			
	800	0.62	78.16	799.99	-0.72	-0.7	2.06	680638.19	601991.92	32°39'14.785"N	103°52'50.586"W	0.09			
	1000	0.82	82.57	999.97	-0.33	-0.3	4.54	680640.67	601992.32	32°39'14.789"N	103°52'50.557"W	0.1			
	1200	0.69	87.81	1199.95	-0.11	-0.07	7.16	680643.29	601992.55	32°39'14.791"N	103°52'50.526"W	0.07			
	1400	1.84	71.58	1399.9	0.92	0.99	11.41	680647.54	601993.61	32°39'14.801"N	103°52'50.476"W	0.6			
	1600	3.37	68.31	1599.69	4.05	4.18	19.92	680656.05	601996.8	32°39'14.832"N	103°52'50.377"W	0.77			
	1800	3.33	67.58	1799.35	8.37	8.57	30.75	680666.88	602001.19	32°39'14.875"N	103°52'50.250"W	0.03			
	2000	2.92	60.96	1999.05	13	13.26	40.58	680676.7	602005.88	32°39'14.921"N	103°52'50.134"W	0.27			
	2200	1.88	66.19	2198.87	16.75	17.06	48.03	680684.16	602009.67	32°39'14.958"N	103°52'50.047"W	0.53			
	2400	1.62	74.72	2398.78	18.78	19.12	53.76	680689.89	602011.74	32°39'14.979"N	103°52'49.980"W	0.18			
	2600	1.73	93.56	2598.7	19.3	19.68	59.5	680695.63	602012.3	32°39'14.984"N	103°52'49.913"W	0.28			
	2800	2.29	106.27	2798.57	17.95	18.38	66.35	680702.48	602010.99	32°39'14.971"N	103°52'49.833"W	0.36			
	3000	0.83	60.4	2998.5	17.51	17.97	71.45	680707.57	602010.59	32°39'14.966"N	103°52'49.773"W	0.91			
	3200	0.97	51.12	3198.47	19.27	19.75	74.02	680710.15	602012.37	32°39'14.984"N	103°52'49.743"W	0.1			
	3400	1.39	60.29	3398.43	21.52	22.01	77.45	680713.57	602014.63	32°39'15.006"N	103°52'49.703"W	0.23			
	3600	1.19	95.65	3598.38	22.49	23.01	81.62	680717.75	602015.63	32°39'15.016"N	103°52'49.654"W	0.4			
	3800	1.35	68.9	3798.34	23.1	23.66	85.89	680722.01	602016.27	32°39'15.022"N	103°52'49.604"W	0.3			
	4000	1.23	60.31	3998.29	24.99	25.57	89.95	680726.07	602018.19	32°39'15.041"N	103°52'49.556"W	0.11			
	4200	1.15	58.67	4198.24	27.07	27.67	93.53	680729.65	602020.29	32°39'15.062"N	103°52'49.514"W	0.04			
	4400	0.68	72.37	4398.22	28.46	29.08	96.37	680732.5	602021.69	32°39'15.075"N	103°52'49.481"W	0.26			
	4600	0.65	92.92	4598.2	28.75	29.38	98.64	680734.76	602022	32°39'15.078"N	103°52'49.455"W	0.12			
	4800	0.54	70.25	4798.19	28.99	29.64	100.66	680736.78	602022.26	32°39'15.081"N	103°52'49.431"W	0.13			
	5000	0.65	66.94	4998.18	29.74	30.4	102.59	680738.71	602023.02	32°39'15.088"N	103°52'49.408"W	0.06			
	5200	0.64	62.59	5198.17	30.69	31.36	104.62	680740.75	602023.98	32°39'15.098"N	103°52'49.384"W	0.02			
	5400	0.74	73.65	5398.16	31.55	32.24	106.85	680742.98	602024.86	32°39'15.106"N	103°52'49.358"W	0.08			
	5600	0.57	48.01	5598.14	32.57	33.27	108.83	680744.96	602025.89	32°39'15.116"N	103°52'49.335"W	0.17			
	5800	0.84	325.47	5798.13	34.44	35.14	108.74	680744.86	602027.76	32°39'15.135"N	103°52'49.336"W	0.48			
	6000	1.44	300.91	5998.09	36.96	37.64	105.75	680741.88	602030.26	32°39'15.160"N	103°52'49.371"W	0.38			
	6200	1.93	282.08	6198.01	38.99	39.64	100.31	680736.43	602032.25	32°39'15.180"N	103°52'49.435"W	0.37			
	6400	1.5	289.48	6397.92	40.61	41.21	94.54	680730.67	602033.83	32°39'15.195"N	103°52'49.502"W	0.24			
	6600	1.13	300.53	6597.86	42.51	43.09	90.38	680726.5	602035.7	32°39'15.214"N	103°52'49.551"W	0.22			
	6800	0.7	284.61	6797.84	43.84	44.4	87.5	680723.62	602037.01	32°39'15.227"N	103°52'49.584"W	0.25			
	7000	0.12	300.06	6997.83	44.26	44.81	86.13	680722.26	602037.43	32°39'15.231"N	103°52'49.600"W	0.29			
	7200	0.42	113.29	7197.83	44.07	44.63	86.62	680722.75	602037.24	32°39'15.230"N	103°52'49.594"W	0.27			

7400	0.81	79.23	7397.82	44.03	44.6	88.69	680724.81	602037.22	32°39'15.229"N	103°52'49.570"W	0.26
7600	0.59	43.5	7597.81	45.03	45.61	90.78	680726.91	602038.23	32°39'15.239"N	103°52'49.546"W	0.24
7800	0.91	85.98	7797.79	45.87	46.47	93.08	680729.2	602039.09	32°39'15.248"N	103°52'49.519"W	0.31
8000	1.64	82.77	7997.74	46.32	46.94	97.5	680733.62	602039.56	32°39'15.252"N	103°52'49.467"W	0.37
8200	1.15	109.44	8197.68	45.98	46.63	102.23	680738.36	602039.25	32°39'15.249"N	103°52'49.412"W	0.4
8330	1.11	135.51	8327.66	44.63	45.3	104.35	680740.47	602037.92	32°39'15.235"N	103°52'49.387"W	0.39
8374	1.2	141.1	8371.65	43.96	44.64	104.93	680741.06	602037.26	32°39'15.229"N	103°52'49.380"W	0.33
8422	1.5	127.4	8419.63	43.19	43.87	105.75	680741.87	602036.48	32°39'15.221"N	103°52'49.371"W	0.91
8468	1.65	104.6	8465.62	42.65	43.33	106.87	680742.99	602035.95	32°39'15.216"N	103°52'49.358"W	1.39
8500	2.33	78.61	8497.6	42.65	43.35	107.95	680744.07	602035.96	32°39'15.216"N	103°52'49.345"W	3.48
8532	4	58.56	8529.55	43.35	44.06	109.54	680745.66	602036.67	32°39'15.223"N	103°52'49.326"W	6.19
8564	6.31	48.66	8561.42	45.08	45.8	111.81	680747.94	602038.42	32°39'15.240"N	103°52'49.300"W	7.71
8595	9.27	44.63	8592.13	47.97	48.7	114.85	680750.97	602041.32	32°39'15.269"N	103°52'49.264"W	9.7
8627	13.32	41.64	8623.5	52.53	53.29	119.11	680755.23	602045.91	32°39'15.314"N	103°52'49.214"W	12.78
8659	17.94	37.17	8654.31	59.18	59.98	124.54	680760.66	602052.6	32°39'15.380"N	103°52'49.150"W	14.91
8691	22.04	33.41	8684.38	68.08	68.92	130.83	680766.95	602061.54	32°39'15.468"N	103°52'49.076"W	13.42
8722	25.79	29.56	8712.72	78.77	79.65	137.36	680773.48	602072.26	32°39'15.574"N	103°52'48.999"W	13.1
8754	29.44	24.68	8741.07	91.93	92.86	144.08	680780.2	602085.47	32°39'15.704"N	103°52'48.920"W	13.41
8786	33.3	21.97	8768.39	107.19	108.15	150.65	680786.77	602100.77	32°39'15.855"N	103°52'48.842"W	12.84
8817	37.64	18.63	8793.63	124.02	125.03	156.86	680792.98	602117.64	32°39'16.022"N	103°52'48.769"W	15.33
8849	42.16	16.45	8818.17	143.55	144.6	163.03	680799.15	602137.21	32°39'16.215"N	103°52'48.696"W	14.78
8881	46.99	14.16	8840.96	165.17	166.25	168.94	680805.06	602158.86	32°39'16.429"N	103°52'48.626"W	15.91
8913	52.05	11.84	8861.73	188.84	189.96	174.39	680810.51	602182.57	32°39'16.664"N	103°52'48.561"W	16.74
8944	57.38	9.46	8879.63	213.67	214.82	179.05	680815.17	602207.43	32°39'16.910"N	103°52'48.505"W	18.3
8976	61.77	6.49	8895.84	240.96	242.14	182.86	680818.98	602234.74	32°39'17.180"N	103°52'48.459"W	15.88
9008	65.52	3.36	8910.04	269.51	270.7	185.31	680821.43	602263.3	32°39'17.462"N	103°52'48.429"W	14.63
9040	69.88	1.08	8922.19	299.07	300.28	186.45	680822.56	602292.87	32°39'17.755"N	103°52'48.414"W	15.13
9071	74.55	359.76	8931.65	328.58	329.78	186.66	680822.77	602322.38	32°39'18.047"N	103°52'48.410"W	15.6
9103	79.53	358.47	8938.83	359.75	360.96	186.17	680822.29	602353.55	32°39'18.355"N	103°52'48.414"W	16.05
9131	83.98	357.32	8942.84	387.44	388.64	185.15	680821.27	602381.23	32°39'18.629"N	103°52'48.425"W	16.4
9161	89.41	355.39	8944.57	417.33	418.52	183.25	680819.37	602411.11	32°39'18.925"N	103°52'48.446"W	19.2
9193	90.65	355.26	8944.55	449.24	450.41	180.64	680816.76	602443	32°39'19.241"N	103°52'48.474"W	3.9
9225	90.86	354.78	8944.13	481.14	482.29	177.86	680813.98	602474.87	32°39'19.556"N	103°52'48.505"W	1.64
9256	90.92	355.17	8943.65	512.03	513.16	175.15	680811.27	602505.75	32°39'19.862"N	103°52'48.536"W	1.27
9288	90.83	355.15	8943.16	543.93	545.05	172.45	680808.57	602537.63	32°39'20.177"N	103°52'48.566"W	0.29
9320	90.83	355.19	8942.7	575.83	576.93	169.75	680805.87	602569.51	32°39'20.493"N	103°52'48.595"W	0.12
9351	90.65	354.76	8942.3	606.72	607.81	167.04	680803.16	602600.38	32°39'20.798"N	103°52'48.626"W	1.5
9383	90.65	354.77	8941.94	638.61	639.67	164.12	680800.24	602632.25	32°39'21.114"N	103°52'48.658"W	0.03
9415	90.46	354.6	8941.63	670.48	671.53	161.16	680797.27	602664.1	32°39'21.429"N	103°52'48.691"W	0.8
9447	88.46	354.74	8941.93	702.36	703.39	158.18	680794.3	602695.96	32°39'21.745"N	103°52'48.725"W	6.27
9479	88.21	354.85	8942.86	734.23	735.24	155.28	680791.4	602727.81	32°39'22.060"N	103°52'48.757"W	0.85
9510	88.92	355.46	8943.63	765.13	766.12	152.66	680788.78	602758.69	32°39'22.366"N	103°52'48.786"W	3.02
9574	90.8	355.49	8943.79	828.96	829.92	147.62	680783.73	602822.48	32°39'22.997"N	103°52'48.842"W	2.94

9637	91.36	355.52	8942.6	891.78	892.72	142.68	680778.8	602885.27	32°39'23.618"N	103°52'48.896"W	0.89
9701	91.32	355.93	8941.11	955.62	956.52	137.91	680774.03	602949.07	32°39'24.250"N	103°52'48.949"W	0.64
9765	91.32	355.87	8939.63	1019.46	1020.34	133.33	680769.46	603012.89	32°39'24.882"N	103°52'48.999"W	0.09
9828	90.89	356.04	8938.42	1082.32	1083.17	128.89	680765.01	603075.71	32°39'25.504"N	103°52'49.048"W	0.73
9892	90.71	356.57	8937.52	1146.21	1147.03	124.77	680760.89	603139.57	32°39'26.136"N	103°52'49.093"W	0.87
9955	90.34	357.19	8936.95	1209.13	1209.94	121.34	680757.46	603202.47	32°39'26.758"N	103°52'49.130"W	1.15
10018	91.02	356.21	8936.2	1272.04	1272.83	117.71	680753.83	603265.36	32°39'27.380"N	103°52'49.169"W	1.89
10082	90.4	356.6	8935.4	1335.94	1336.69	113.7	680749.82	603329.22	32°39'28.013"N	103°52'49.213"W	1.14
10146	90.59	356.39	8934.85	1399.84	1400.57	109.79	680745.91	603393.09	32°39'28.645"N	103°52'49.256"W	0.44
10209	90.52	356.26	8934.24	1462.73	1463.44	105.75	680741.87	603455.96	32°39'29.267"N	103°52'49.300"W	0.23
10272	90.43	356.4	8933.72	1525.62	1526.31	101.72	680737.84	603518.82	32°39'29.889"N	103°52'49.344"W	0.26
10336	91.16	355.44	8932.83	1589.48	1590.14	97.16	680733.29	603582.65	32°39'30.521"N	103°52'49.394"W	1.88
10399	92.16	356.74	8931.01	1652.33	1652.96	92.87	680728.99	603645.47	32°39'31.143"N	103°52'49.441"W	2.6
10463	92.68	355.91	8928.3	1716.17	1716.77	88.77	680724.89	603709.27	32°39'31.774"N	103°52'49.486"W	1.53
10527	91.39	355.87	8926.03	1779.99	1780.57	84.19	680720.31	603773.06	32°39'32.406"N	103°52'49.536"W	2.02
10622	90.4	355.33	8924.55	1874.74	1875.27	76.9	680713.02	603867.76	32°39'33.343"N	103°52'49.617"W	1.19
10717	90.37	355.48	8923.91	1969.48	1969.97	69.29	680705.41	603962.45	32°39'34.280"N	103°52'49.701"W	0.16
10812	91.17	356.54	8922.63	2064.28	2064.73	62.68	680698.81	604057.2	32°39'35.218"N	103°52'49.774"W	1.4
10908	90.46	355.67	8921.27	2160.09	2160.49	56.16	680692.29	604152.96	32°39'36.166"N	103°52'49.845"W	1.17
11003	91.14	357.61	8919.94	2254.94	2256.32	50.59	680686.72	604247.78	32°39'37.104"N	103°52'49.906"W	2.16
11098	90.59	357.07	8918.51	2349.86	2350.2	46.18	680682.31	604342.66	32°39'38.043"N	103°52'49.952"W	0.81
11193	90.31	357.4	8917.76	2444.77	2445.09	41.6	680677.73	604437.53	32°39'38.983"N	103°52'50.001"W	0.46
11289	90.8	358.32	8916.83	2540.72	2541.02	38.02	680674.14	604533.46	32°39'39.932"N	103°52'50.038"W	1.09
11384	90.83	358.21	8915.48	2635.68	2635.96	35.14	680671.27	604628.4	32°39'40.871"N	103°52'50.067"W	0.12
11480	90.59	357.61	8914.29	2731.63	2731.89	31.64	680667.77	604724.32	32°39'41.821"N	103°52'50.103"W	0.67
11575	90.68	357.68	8913.24	2826.57	2826.8	27.74	680663.86	604819.22	32°39'42.760"N	103°52'50.144"W	0.12
11671	90.96	356.98	8911.86	2922.48	2922.69	23.26	680659.39	604915.1	32°39'43.709"N	103°52'50.192"W	0.79
11766	91.02	356.5	8910.22	3017.34	3017.52	17.86	680653.99	605009.93	32°39'44.647"N	103°52'50.250"W	0.51
11861	89.72	355.88	8909.61	3112.17	3112.31	11.55	680647.68	605104.71	32°39'45.585"N	103°52'50.319"W	1.52
11957	90.49	356.21	8909.43	3207.98	3208.08	4.93	680641.06	605200.47	32°39'46.533"N	103°52'50.392"W	0.87
12052	90.46	356.44	8908.64	3302.82	3302.88	-1.16	680634.97	605295.26	32°39'47.472"N	103°52'50.459"W	0.24
12147	89.69	358	8908.52	3397.73	3397.76	-5.77	680630.36	605390.14	32°39'48.411"N	103°52'50.508"W	1.83
12243	89.07	358.47	8909.56	3493.7	3493.71	-8.72	680627.41	605486.08	32°39'49.360"N	103°52'50.538"W	0.81
12338	90.06	358.32	8910.28	3588.67	3588.67	-11.38	680624.75	605581.04	32°39'50.300"N	103°52'50.564"W	1.05
12434	91.7	358.89	8908.8	3684.64	3684.63	-13.72	680622.41	605676.99	32°39'51.249"N	103°52'50.586"W	1.81
12529	92.22	359.43	8905.56	3779.58	3779.56	-15.11	680621.02	605771.91	32°39'52.189"N	103°52'50.598"W	0.79
12624	92.13	358.8	8901.95	3874.51	3874.48	-16.58	680619.55	605866.83	32°39'53.128"N	103°52'50.610"W	0.67
12720	92.47	358.04	8898.1	3970.41	3970.36	-19.22	680616.91	605962.7	32°39'54.077"N	103°52'50.637"W	0.87
12815	90.89	357.51	8895.31	4065.31	4065.25	-22.91	680613.22	606057.58	32°39'55.016"N	103°52'50.675"W	1.75
12911	89.6	357.95	8894.9	4161.26	4161.17	-26.71	680609.42	606153.5	32°39'55.965"N	103°52'50.715"W	1.42
13006	90.15	357.44	8895.11	4256.2	4256.09	-30.53	680605.6	606248.41	32°39'56.904"N	103°52'50.755"W	0.79
13101	90.31	356.39	8894.73	4351.09	4350.95	-35.65	680600.49	606343.27	32°39'57.843"N	103°52'50.810"W	1.12
13197	90.62	356.07	8893.95	4446.92	4446.74	-41.96	680594.17	606439.05	32°39'58.791"N	103°52'50.879"W	0.46

13288	91.23	355.94	8892.48	4537.72	4537.51	-48.3	680587.84	606529.81	32°39'59.689"N	103°52'50.948"W	0.69
13333	91.23	355.94	8891.51	4582.62	4582.39	-51.48	680584.65	606574.68	32°40'00.134"N	103°52'50.983"W	0

TARGETS

Name	MD	TVD	North	East	Grid East	Grid North	Latitude	Longitude	Shape	Comment
	[ft]	[ft]	[ft]	[ft]	[srv ft]	[srv ft]				
No. 3H PBHL			8900	4622.04	-29.64	680606	606614	32°40'00.5	103°52'50.726'	point

WELLPATH COMPOSITION Ref Wellbore: No.3H AWB Ref Wellpath: No.3H AWP

Log Name/Comment	Start MD	End MD	Pos Unc	Model
	[ft]	[ft]		
Gyro	18.8	8330		Generic gyro - northseeking (Standard)
MWD	8330	13333		NaviTrak (Standard)