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Location: Eddy County, NM
Field: (Domino) Sec 8, T19S, R31E
Facility: Domino No. 9H

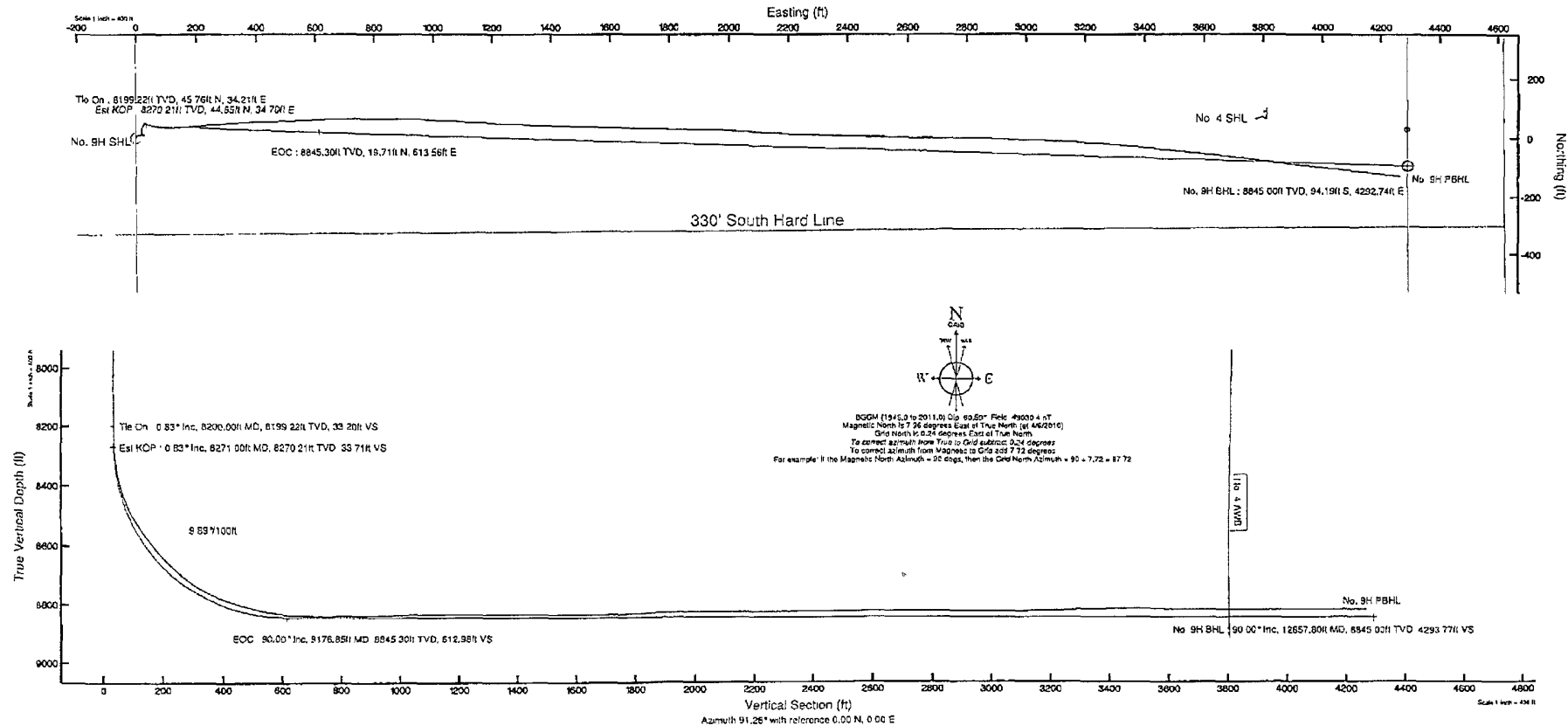
Spot	No. 9H SHL
Well:	No. 9H
Wellbore:	No. 9H PWE



**BAKER
HUGHES**

INTEQ

Well Profile Data								Plot reference wellpath is Plan A2 vs Actual cFINAL	
Design Comment	WD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (T100ft)	VS (ft)	
Tie On	8200.00	0.830	151.720	8199.22	45.76	34.21	0.00	33.20	True vertical depths are referenced to Rig on No. 9H SHL (RT)
Est KOP	8271.00	0.830	151.720	8270.21	44.85	34.70	0.00	33.71	Measured depths are referenced to Rig on No. 9H SHL (RT)
BCC	9176.85	90.005	91.773	8845.30	18.71	613.56	9.89	812.38	Rig on No. 9H SHL (RT) to Mean Sea Level: 3476.8 feet
No. 9H BHL	12857.80	90.005	91.773	8845.00	-94.19	4252.74	0.00	4293.77	Mean Sea Level to Mud line (Facility Domino No. 9H) -3458 feet
									Coordinates are in feet referenced to Surface Location
									Scale: True distance
									Depths are in feet
									Grid System: NAD83 / TM New Mexico State Planes, Eastern Zone (3601), US feet
									North Reference: Grid north
									Created by: gcomps on 5/19/2010





Actual Wellpath Report

No. 9H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Yates Petroleum Corporation	Slot	No. 9H SHL
Area	Eddy County, NM	Well	No. 9H
Field	(Domino) Sec 8, T19S, R31E	Wellbore	No. 9H AWP
Facility	Domino No. 9H	Sidetrack from	No. 9 AWP at 8200.00 MD

REPORT SETUP INFORMATION

Projection System	NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect® 2.0
North Reference	Grid	User	Victor Hernandez
Scale	0.99993	Report Generated	5/19/2010 at 8:17:59 AM
Convergence at slot	0.24° East	Database/Source file	WA_Midland/No. 9H AWP.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	675317.17	607556.77	32°40'10.069"N	103°53'52.558"W
Facility Reference Pt			675317.17	607556.77	32°40'10.069"N	103°53'52.558"W
Field Reference Pt			675317.17	607556.77	32°40'10.069"N	103°53'52.558"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No. 9H SHL (KB) to GL	18.80ft
Horizontal Reference Pt	Surface Location	Rig on No. 9H SHL (KB) to Mean Sea Level	3476.80ft
Vertical Reference Pt	Rig on No. 9H SHL (KB)	GL to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on No. 9H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	91.26°



Actual Wellpath Report

No. 9H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Yates Petroleum Corporation	Slot	No. 9H SHL
Area	Eddy County, NM	Well	No. 9H
Field	(Domino) Sec 8, T19S, R31E	Wellbore	No. 9H AWB
Facility	Domino No. 9H	Sidetrack from	No. 9 AWB at 8200.00 MD

WELLPATH DATA (180 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100'
0.00	0.000	184.090	0.00	0.00	0.00	0.00	675317.17	607556.77	32°40'10.069"N	103°53'52.558"W	0.00	0.000	0.00
100.00	0.280	184.090	100.00	-0.01	-0.24	-0.02	675317.15	607556.53	32°40'10.067"N	103°53'52.558"W	0.24	184.090	0.28
200.00	0.190	20.700	200.00	0.03	-0.33	0.02	675317.19	607556.44	32°40'10.066"N	103°53'52.557"W	0.33	175.912	0.47
300.00	0.620	11.800	300.00	0.19	0.35	0.19	675317.36	607557.12	32°40'10.073"N	103°53'52.555"W	0.40	28.711	0.43
400.00	1.310	16.030	399.98	0.58	1.98	0.62	675317.79	607558.75	32°40'10.089"N	103°53'52.550"W	2.08	17.563	0.69
500.00	1.310	18.820	499.96	1.21	4.16	1.30	675318.47	607560.93	32°40'10.111"N	103°53'52.542"W	4.36	17.396	0.06
600.00	0.530	41.120	599.94	1.85	5.59	1.98	675319.15	607562.36	32°40'10.125"N	103°53'52.534"W	5.93	19.468	0.84
700.00	0.310	37.670	699.94	2.31	6.15	2.45	675319.62	607562.92	32°40'10.130"N	103°53'52.529"W	6.62	21.676	0.22
800.00	0.180	43.730	799.94	2.58	6.48	2.72	675319.89	607563.25	32°40'10.133"N	103°53'52.526"W	7.03	22.765	0.13
900.00	0.260	81.680	899.94	2.91	6.68	3.05	675320.22	607563.40	32°40'10.135"N	103°53'52.522"W	7.30	24.932	0.16
1000.00	0.180	70.930	999.94	3.28	6.71	3.43	675320.60	607563.48	32°40'10.136"N	103°53'52.517"W	7.54	27.040	0.09
1100.00	0.250	65.240	1099.94	3.62	6.86	3.77	675320.94	607563.62	32°40'10.137"N	103°53'52.513"W	7.82	28.826	0.07
1200.00	0.280	90.970	1199.94	4.06	6.94	4.22	675321.38	607563.71	32°40'10.138"N	103°53'52.508"W	8.12	31.264	0.12
1300.00	0.310	81.910	1299.93	4.57	6.98	4.73	675321.90	607563.75	32°40'10.138"N	103°53'52.502"W	8.43	34.122	0.06
1400.00	0.970	72.740	1399.94	5.64	7.27	5.80	675322.97	607564.02	32°40'10.149"N	103°53'52.489"W	9.50	38.614	0.67
1500.00	1.080	63.450	1499.91	7.28	7.94	7.45	675324.62	607564.71	32°40'10.148"N	103°53'52.470"W	10.89	43.198	0.20
1600.00	1.440	63.590	1599.89	9.22	8.92	9.42	675326.59	607565.69	32°40'10.157"N	103°53'52.447"W	12.97	46.574	0.36
1700.00	1.400	63.160	1699.86	11.42	10.03	11.64	675328.81	607566.80	32°40'10.168"N	103°53'52.421"W	15.36	49.247	0.
1800.00	1.520	63.610	1799.82	13.67	11.17	13.92	675331.09	607567.94	32°40'10.179"N	103°53'52.394"W	17.84	51.247	0.12
1900.00	1.520	63.690	1899.79	16.02	12.35	16.29	675333.46	607569.12	32°40'10.191"N	103°53'52.366"W	20.44	52.844	0.00
2000.00	1.300	74.600	1999.76	18.28	13.24	18.58	675335.74	607570.01	32°40'10.200"N	103°53'52.340"W	22.81	54.527	0.35
2100.00	1.170	86.210	2099.74	20.38	13.61	20.69	675337.86	607570.37	32°40'10.203"N	103°53'52.315"W	24.76	56.669	0.28
2200.00	0.950	93.450	2199.72	22.23	13.62	22.53	675339.70	607570.39	32°40'10.203"N	103°53'52.293"W	26.33	58.845	0.26
2300.00	0.850	90.460	2299.71	23.80	13.57	24.10	675341.27	607570.34	32°40'10.203"N	103°53'52.275"W	27.66	60.626	0.11
2400.00	0.720	97.960	2399.70	25.17	13.47	25.47	675342.64	607570.24	32°40'10.202"N	103°53'52.259"W	28.81	62.113	0.17
2500.00	0.580	108.430	2499.69	26.27	13.23	26.57	675343.74	607570.00	32°40'10.199"N	103°53'52.246"W	29.68	63.535	0.18
2600.00	0.610	152.560	2599.69	27.01	12.59	27.30	675344.46	607569.36	32°40'10.193"N	103°53'52.238"W	30.06	65.230	0.45
2700.00	0.450	152.720	2699.68	27.46	11.77	27.72	675344.89	607568.54	32°40'10.185"N	103°53'52.233"W	30.12	66.988	0.16
2800.00	0.450	164.840	2799.68	27.75	11.05	28.00	675345.17	607567.81	32°40'10.178"N	103°53'52.230"W	30.10	68.474	0.10
2900.00	0.370	183.290	2899.68	27.85	10.34	28.09	675345.26	607567.14	32°40'10.171"N	103°53'52.229"W	29.93	69.783	0.15



Actual Wellpath Report

No. 9H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Yates Petroleum Corporation	Slot	No. 9H SHL
Area	Eddy County, NM	Well	No. 9H
Field	(Domino) Sec 8, T19S, R31E	Wellbore	No. 9H AWB
Facility	Domino No. 9H	Sidetrack from	No. 9 AWB at 8200.00 MD

WELLPATH DATA (180 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100]
3000.00	0.410	190.360	2999.67	27.79	9.67	28.00	675345.17	607566.44	32°40'10.164"N	103°53'52.230"W	29.63	70.951	0.06
3100.00	0.370	196.190	3099.67	27.65	9.01	27.85	675345.02	607565.78	32°40'10.157"N	103°53'52.231"W	29.27	72.077	0.06
3200.00	0.480	190.010	3199.67	27.50	8.29	27.69	675344.86	607565.05	32°40'10.150"N	103°53'52.233"W	28.90	73.341	0.12
3300.00	0.360	212.480	3299.67	27.27	7.61	27.45	675344.61	607564.38	32°40'10.144"N	103°53'52.236"W	28.48	74.508	0.20
3400.00	0.210	249.050	3399.66	26.94	7.58	27.11	675344.24	607564.05	32°40'10.140"N	103°53'52.240"W	28.07	74.975	0.23
3500.00	0.130	335.920	3499.66	26.72	7.32	26.89	675344.06	607564.08	32°40'10.141"N	103°53'52.243"W	27.87	74.781	0.24
3600.00	0.090	231.850	3599.66	26.61	7.37	26.78	675343.95	607564.14	32°40'10.141"N	103°53'52.244"W	27.78	74.613	0.18
3700.00	0.230	288.320	3699.66	26.36	7.38	26.53	675343.70	607564.15	32°40'10.141"N	103°53'52.247"W	27.54	74.445	0.20
3800.00	0.480	283.030	3799.66	25.76	7.54	25.93	675343.10	607564.31	32°40'10.143"N	103°53'52.254"W	27.00	73.782	0.25
3900.00	0.260	234.410	3899.66	25.17	7.50	25.34	675342.51	607564.27	32°40'10.145"N	103°53'52.261"W	26.43	73.591	0.36
4000.00	0.280	257.850	3999.66	24.75	7.32	24.91	675342.08	607564.09	32°40'10.141"N	103°53'52.266"W	25.97	73.624	0.11
4100.00	0.290	279.030	4099.66	24.26	7.31	24.43	675341.59	607564.08	32°40'10.141"N	103°53'52.272"W	25.50	73.340	0.11
4200.00	0.510	317.120	4199.65	23.70	7.68	23.87	675341.04	607564.44	32°40'10.144"N	103°53'52.278"W	25.08	72.177	0.33
4300.00	0.610	314.830	4299.65	23.00	8.38	23.19	675340.36	607565.15	32°40'10.151"N	103°53'52.286"W	24.66	70.141	0.10
4400.00	0.540	308.580	4399.64	22.24	9.04	22.44	675339.61	607565.81	32°40'10.158"N	103°53'52.295"W	24.20	68.052	0.10
4500.00	0.590	325.920	4499.64	21.57	9.76	21.79	675338.96	607566.53	32°40'10.165"N	103°53'52.302"W	23.87	65.861	0.18
4600.00	0.470	316.950	4599.64	20.98	10.49	21.22	675338.39	607567.26	32°40'10.172"N	103°53'52.309"W	23.67	63.694	0.15
4700.00	0.620	341.800	4699.63	20.52	11.30	20.77	675337.94	607568.07	32°40'10.180"N	103°53'52.314"W	23.65	61.444	0.15
4800.00	0.660	346.950	4799.63	20.19	12.38	20.47	675337.64	607569.15	32°40'10.191"N	103°53'52.318"W	23.92	58.839	0.07
4900.00	0.690	345.660	4899.62	19.89	13.52	20.19	675337.36	607570.29	32°40'10.202"N	103°53'52.321"W	24.30	56.188	0.03
5000.00	0.780	356.690	4999.61	19.67	14.79	20.00	675337.17	607571.55	32°40'10.215"N	103°53'52.323"W	24.87	53.529	0.17
5100.00	0.640	345.690	5099.60	19.47	16.01	19.83	675336.99	607572.78	32°40'10.227"N	103°53'52.325"W	25.48	51.084	0.19
5200.00	0.650	346.570	5199.60	19.18	17.10	19.56	675336.72	607573.87	32°40'10.238"N	103°53'52.328"W	25.98	48.834	0.01
5300.00	0.560	347.300	5299.59	18.91	18.13	19.32	675336.49	607574.90	32°40'10.248"N	103°53'52.331"W	26.49	46.819	0.09
5400.00	0.660	356.610	5399.58	18.55	19.18	19.18	675336.34	607575.95	32°40'10.258"N	103°53'52.332"W	27.02	44.994	0.14
5500.00	0.730	355.810	5499.58	18.64	20.39	19.09	675336.26	607577.16	32°40'10.270"N	103°53'52.333"W	27.93	43.121	0.07
5600.00	0.810	354.820	5599.57	18.50	21.73	18.98	675336.15	607578.50	32°40'10.284"N	103°53'52.335"W	28.85	41.143	0.08
5700.00	0.960	351.690	5699.56	18.28	23.26	18.80	675335.97	607580.03	32°40'10.299"N	103°53'52.337"W	29.91	38.944	0.16
5800.00	0.990	352.820	5799.54	18.02	24.95	18.57	675335.74	607581.72	32°40'10.316"N	103°53'52.339"W	31.10	36.663	0.04
5900.00	1.070	352.370	5899.53	17.94	26.74	18.53	675335.70	607583.50	32°40'10.333"N	103°53'52.340"W	32.53	34.730	0.22



Actual Wellpath Report

No. 9H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Yates Petroleum Corporation	Slot	No. 9H SHL
Area	Eddy County, NM	Well	No. 9H
Field	(Domino) Sec 8, T19S, R31E	Wellbore	No. 9H AWP
Facility	Domino No. 9H	Sidetrack from	No. 9 AWP at 8200.00 MD

WELLPATH DATA (180 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
6000.00	1.020	14.120	5999.51	18.19	28.53	18.82	675335.99	607585.30	32°40'10.351"N	103°53'52.336"W	34.18	33.413	0.18
6100.00	1.060	10.630	6099.49	18.54	30.30	19.21	675336.38	607587.07	32°40'10.369"N	103°53'52.331"W	35.88	32.372	0.07
6200.00	1.020	17.060	6199.48	18.93	32.06	19.64	675336.81	607588.83	32°40'10.386"N	103°53'52.326"W	37.60	31.491	0.12
6300.00	0.930	24.800	6299.46	19.50	33.65	20.24	675337.41	607590.42	32°40'10.402"N	103°53'52.319"W	39.27	31.030	0.16
6400.00	0.970	27.970	6399.45	20.20	35.18	20.98	675338.15	607591.90	32°40'10.416"N	103°53'52.311"W	40.92	30.843	0.07
6500.00	1.060	26.420	6499.43	20.98	36.71	21.79	675338.96	607593.48	32°40'10.432"N	103°53'52.301"W	42.69	30.690	0.09
6600.00	1.060	28.050	6599.42	21.79	38.35	22.64	675339.80	607595.12	32°40'10.448"N	103°53'52.291"W	44.54	30.547	0.03
6700.00	1.180	28.190	6699.40	22.67	40.08	23.56	675340.72	607596.85	32°40'10.465"N	103°53'52.280"W	46.49	30.445	0.12
6800.00	1.180	27.300	6799.38	23.59	41.90	24.52	675341.68	607598.67	32°40'10.483"N	103°53'52.269"W	48.55	30.331	0.02
6900.00	1.320	21.790	6899.35	24.45	43.89	25.42	675342.58	607600.65	32°40'10.503"N	103°53'52.258"W	50.71	30.076	0.13
7000.00	1.320	20.600	6999.32	25.23	46.03	26.25	675343.42	607602.80	32°40'10.524"N	103°53'52.248"W	52.99	29.691	0.03
7100.00	1.310	20.760	7099.30	25.99	48.18	27.06	675344.23	607604.95	32°40'10.545"N	103°53'52.239"W	55.26	29.319	0.01
7200.00	0.830	31.040	7199.28	26.74	49.87	27.84	675345.00	607606.64	32°40'10.562"N	103°53'52.230"W	57.11	29.170	0.52
7300.00	0.410	48.660	7299.27	27.36	50.73	28.48	675345.65	607607.49	32°40'10.570"N	103°53'52.222"W	58.17	29.311	0.46
7400.00	0.260	64.240	7399.27	27.82	51.06	28.95	675346.12	607607.89	32°40'10.574"N	103°53'52.217"W	58.70	29.553	0.17
7500.00	0.170	92.370	7499.27	28.18	51.15	29.30	675346.47	607607.92	32°40'10.574"N	103°53'52.212"W	58.95	29.807	0.14
7600.00	0.410	89.830	7599.27	28.68	51.15	29.81	675346.98	607607.92	32°40'10.574"N	103°53'52.206"W	59.20	30.234	0.24
7700.00	0.730	91.440	7699.27	29.68	51.13	30.81	675347.97	607607.90	32°40'10.574"N	103°53'52.195"W	59.70	31.066	0.
7800.00	0.610	140.770	7799.26	30.66	50.71	31.78	675348.95	607607.47	32°40'10.570"N	103°53'52.183"W	59.84	32.076	0.57
7900.00	0.830	152.070	7899.25	31.50	49.63	32.40	675349.57	607606.39	32°40'10.559"N	103°53'52.176"W	59.27	33.133	0.30
8000.00	0.760	153.910	7999.24	31.90	48.36	32.97	675350.14	607605.13	32°40'10.547"N	103°53'52.170"W	58.53	34.284	0.08
8100.00	0.860	156.210	8099.23	32.52	47.08	33.57	675350.73	607603.85	32°40'10.534"N	103°53'52.163"W	57.82	35.486	0.11
8200.00	0.830	151.720	8199.22	33.20	45.76	34.21	675351.38	607602.52	32°40'10.521"N	103°53'52.155"W	57.13	36.785	0.07
8278.00	3.600	94.800	8277.16	35.92	45.05	36.92	675354.09	607601.82	32°40'10.514"N	103°53'52.124"W	58.25	39.333	4.13
8310.00	9.400	92.600	8309.02	38.90	44.80	39.89	675357.06	607601.57	32°40'10.511"N	103°53'52.089"W	59.99	41.681	10.94
8342.00	9.300	105.600	8340.69	43.38	43.94	44.35	675361.52	607600.71	32°40'10.502"N	103°53'52.037"W	62.44	45.267	8.36
8374.00	12.000	106.100	8372.14	49.10	42.33	50.04	675367.21	607599.09	32°40'10.486"N	103°53'51.970"W	65.54	49.776	8.44
8406.00	15.400	103.100	8403.22	56.48	40.44	57.38	675374.55	607597.21	32°40'10.467"N	103°53'51.884"W	70.20	54.825	10.85
8438.00	19.500	101.500	8433.74	65.90	38.41	66.76	675383.92	607595.18	32°40'10.447"N	103°53'51.775"W	77.02	60.084	12.90
8469.00	23.600	98.700	8462.57	74.15	36.44	77.96	675395.13	607593.21	32°40'10.427"N	103°53'51.644"W	86.06	64.949	15.63



Actual Wellpath Report

No. 9H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Yates Petroleum Corporation	Slot	No. 9H SHL
Area	Eddy County, NM	Well	No. 9H
Field	(Domino) Sec 8, T19S, R31E	Wellbore	No. 9H AWB
Facility	Domino No. 9H	Sidetrack from	No. 9 AWB at 8200.00 MD

WELLPATH DATA (180 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
8501.00	27.700	94.500	8491.41	90.93	34.89	91.72	675408.88	607591.65	32°40'10.411"N	103°53'51.483"W	98.13	69.175	14.01
8533.00	31.300	90.500	8519.26	106.67	34.23	107.45	675424.61	607591.00	32°40'10.404"N	103°53'51.299"W	112.77	72.330	12.82
8565.00	34.100	87.700	8546.19	123.94	34.52	124.73	675441.89	607591.29	32°40'10.406"N	103°53'51.097"W	129.42	74.531	9.94
8596.00	36.600	86.500	8571.47	141.83	35.43	142.64	675459.80	607592.20	32°40'10.414"N	103°53'50.887"W	146.98	76.051	8.37
8628.00	39.000	85.800	8596.26	161.36	36.75	162.21	675479.37	607593.52	32°40'10.427"N	103°53'50.658"W	166.32	77.234	7.62
8660.00	41.500	85.900	8621.18	181.94	38.25	182.83	675499.98	607595.01	32°40'10.440"N	103°53'50.417"W	186.79	78.184	7.82
8692.00	44.000	84.700	8644.67	203.55	40.03	204.47	675521.63	607596.80	32°40'10.457"N	103°53'50.164"W	208.36	78.923	8.22
8723.00	45.900	85.400	8666.61	225.32	41.92	226.29	675543.45	607598.69	32°40'10.475"N	103°53'49.908"W	230.14	79.505	6.33
8755.00	47.600	85.400	8688.54	248.50	43.79	249.52	675566.68	607600.55	32°40'10.493"N	103°53'49.637"W	253.34	80.047	5.31
8787.00	50.500	84.600	8709.51	272.52	45.90	273.60	675590.75	607602.66	32°40'10.512"N	103°53'49.355"W	277.42	80.477	4.26
8819.00	54.000	84.600	8729.10	297.65	48.28	298.78	675615.93	607605.05	32°40'10.535"N	103°53'49.060"W	302.66	80.821	10.94
8851.00	58.400	85.300	8746.89	324.08	50.61	325.27	675642.41	607607.38	32°40'10.557"N	103°53'48.750"W	329.18	81.155	13.87
8882.00	63.200	86.400	8762.01	351.01	52.57	352.25	675669.39	607609.33	32°40'10.575"N	103°53'48.435"W	356.15	81.512	15.79
8914.00	67.000	88.600	8775.48	379.96	53.82	381.24	675698.38	607610.59	32°40'10.587"N	103°53'48.095"W	385.02	81.964	13.41
8946.00	70.800	88.400	8787.21	409.70	54.60	411.00	675728.12	607611.35	32°40'10.593"N	103°53'47.747"W	414.61	82.432	9.39
8978.00	71.800	87.800	8797.68	439.89	55.61	441.22	675758.36	607612.37	32°40'10.602"N	103°53'47.394"W	444.71	82.817	5.90
9010.00	73.200	88.100	8807.30	470.36	56.70	471.72	675788.85	607613.46	32°40'10.611"N	103°53'47.037"W	475.11	83.146	4.47
9041.00	75.200	87.600	8815.74	500.13	57.82	501.52	675818.66	607614.58	32°40'10.621"N	103°53'46.688"W	504.84	83.424	6.11
9073.00	77.900	86.800	8823.19	531.17	59.34	532.60	675849.74	607616.10	32°40'10.635"N	103°53'46.324"W	535.90	83.643	8.78
9106.00	80.400	86.800	8829.40	563.48	61.15	564.96	675882.09	607617.91	32°40'10.652"N	103°53'45.946"W	568.26	83.823	7.58
9137.00	82.400	87.500	8834.03	594.05	62.67	595.57	675912.70	607619.44	32°40'10.665"N	103°53'45.588"W	598.86	83.993	6.83
9168.00	85.300	87.800	8837.35	624.81	63.94	626.37	675943.49	607620.70	32°40'10.677"N	103°53'45.227"W	629.62	84.172	9.40
9199.00	88.700	88.000	8838.98	655.71	65.07	657.30	675974.42	607621.83	32°40'10.687"N	103°53'44.865"W	660.51	84.346	10.99
9231.00	89.100	88.200	8839.59	687.66	66.13	689.27	676006.39	607622.90	32°40'10.696"N	103°53'44.491"W	692.44	84.520	1.40
9263.00	89.600	89.200	8839.95	719.62	66.86	721.26	676038.93	607623.62	32°40'10.702"N	103°53'44.117"W	724.53	84.704	3.49
9295.00	90.300	90.600	8839.98	751.61	66.91	753.26	676070.38	607623.68	32°40'10.701"N	103°53'43.743"W	756.23	84.924	4.89
9327.00	90.300	90.400	8839.81	783.61	66.63	785.26	676102.37	607623.40	32°40'10.697"N	103°53'43.368"W	788.08	85.150	0.62
9358.00	90.200	90.500	8839.68	814.61	66.39	816.26	676133.37	607623.15	32°40'10.693"N	103°53'43.006"W	818.95	85.350	0.46
9390.00	90.200	90.200	8839.57	846.60	66.19	848.26	676165.37	607622.96	32°40'10.690"N	103°53'42.632"W	850.84	85.538	0.94
9422.00	90.800	91.000	8839.29	878.60	65.86	880.25	676197.36	607622.62	32°40'10.685"N	103°53'42.257"W	882.72	85.721	3.12



Actual Wellpath Report

No. 9H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Yates Petroleum Corporation	Slot	No. 9H SHL
Area	Eddy County, NM	Well	No. 9H
Field	(Domino) Sec 8, T19S, R31E	Wellbore	No. 9H AWB
Facility	Domino No. 9H	Sidetrack from	No. 9 AWB at 8200.00 MD

WELLPATH DATA (180 stations)													
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]
9454.00	91.100	91.500	8838.76	910.59	65.16	912.24	676229.35	607621.93	32°40'10.677"N	103°53'41.883"W	914.57	85.914	1.82
9485.00	91.500	92.300	8838.05	941.58	64.13	943.22	676260.32	607620.90	32°40'10.666"N	103°53'41.521"W	945.40	86.110	2.88
9517.00	91.600	92.700	8837.19	973.56	62.74	975.18	676292.27	607619.50	32°40'10.650"N	103°53'41.147"W	977.19	86.319	1.29
9549.00	91.400	92.900	8836.35	1005.54	61.18	1007.13	676324.22	607617.94	32°40'10.634"N	103°53'40.773"W	1008.98	86.524	0.88
9581.00	91.400	92.800	8835.57	1037.52	59.58	1039.08	676356.17	607616.35	32°40'10.617"N	103°53'40.400"W	1040.58	86.718	0.31
9613.00	90.400	93.600	8835.07	1069.50	57.80	1071.02	676388.11	607614.56	32°40'10.598"N	103°53'40.026"W	1072.58	86.911	4.00
9644.00	90.100	93.400	8834.93	1100.47	55.91	1101.96	676419.05	607612.67	32°40'10.578"N	103°53'39.664"W	1103.38	87.096	1.16
9676.00	90.000	93.200	8834.90	1132.45	54.06	1133.91	676451.00	607610.83	32°40'10.558"N	103°53'39.291"W	1135.20	87.270	0.70
9708.00	88.900	92.900	8835.21	1164.43	52.36	1165.86	676482.95	607609.13	32°40'10.540"N	103°53'38.917"W	1167.04	87.428	3.56
9740.00	89.900	92.900	8835.55	1196.42	50.74	1197.82	676514.90	607607.51	32°40'10.523"N	103°53'38.543"W	1198.39	87.574	3.12
9772.00	89.900	92.900	8835.60	1228.41	49.12	1229.78	676546.86	607605.89	32°40'10.505"N	103°53'38.169"W	1230.76	87.713	0.00
9804.00	90.000	92.600	8835.63	1260.40	47.59	1261.74	676578.82	607604.35	32°40'10.489"N	103°53'37.796"W	1262.64	87.840	0.99
9867.00	89.900	92.600	8835.68	1323.38	44.73	1324.68	676641.75	607601.50	32°40'10.458"N	103°53'37.059"W	1325.43	88.066	0.16
9931.00	89.800	92.300	8835.85	1387.36	41.99	1388.62	676705.69	607598.76	32°40'10.428"N	103°53'36.312"W	1389.25	88.268	0.49
9994.00	90.000	91.600	8835.96	1450.36	39.85	1451.58	676768.65	607596.62	32°40'10.405"N	103°53'35.575"W	1452.13	88.427	1.16
10057.00	90.000	91.200	8835.96	1513.36	38.31	1514.56	676831.62	607595.08	32°40'10.387"N	103°53'34.838"W	1515.05	88.551	0.63
10121.00	90.000	91.900	8835.96	1577.36	36.58	1578.54	676895.59	607593.35	32°40'10.367"N	103°53'34.090"W	1578.96	88.672	1.00
10184.00	89.900	91.900	8836.02	1640.35	34.49	1641.50	676958.56	607591.26	32°40'10.344"N	103°53'33.354"W	1641.87	88.796	0.00
10248.00	91.300	91.500	8835.35	1704.35	32.59	1705.47	677022.52	607589.36	32°40'10.322"N	103°53'32.606"W	1705.78	88.905	2.28
10312.00	92.000	91.200	8835.50	1768.32	31.09	1769.43	677086.47	607587.85	32°40'10.305"N	103°53'31.857"W	1769.70	88.994	1.19
10375.00	92.100	91.300	8831.25	1831.28	29.71	1832.37	677149.41	607586.48	32°40'10.289"N	103°53'31.121"W	1832.61	89.071	0.22
10439.00	92.200	90.700	8828.85	1895.23	28.60	1896.32	677213.35	607585.36	32°40'10.275"N	103°53'30.373"W	1896.53	89.136	0.95
10502.00	92.200	92.100	8826.43	1958.18	27.06	1959.25	677276.28	607583.83	32°40'10.257"N	103°53'29.637"W	1959.44	89.209	2.22
10566.00	89.900	93.500	8825.26	2022.14	23.93	2023.16	677340.18	607580.70	32°40'10.224"N	103°53'28.890"W	2023.30	89.322	4.21
10629.00	89.900	93.400	8825.37	2085.10	20.44	2086.04	677403.06	607576.91	32°40'10.183"N	103°53'28.154"W	2086.14	89.447	0.16
10693.00	89.900	93.100	8825.48	2149.06	16.51	2149.94	677466.95	607573.28	32°40'10.145"N	103°53'27.407"W	2150.00	89.560	0.47
10756.00	89.900	92.800	8825.59	2212.03	13.27	2212.86	677529.86	607570.04	32°40'10.110"N	103°53'26.671"W	2212.89	89.656	0.48
10820.00	90.200	92.200	8825.53	2276.02	10.48	2276.79	677593.80	607567.25	32°40'10.080"N	103°53'25.923"W	2276.82	89.736	1.05
10883.00	90.100	92.100	8825.37	2339.01	8.12	2339.75	677656.75	607564.88	32°40'10.054"N	103°53'25.187"W	2339.76	89.801	0.22
10947.00	90.300	91.300	8825.15	2403.04	6.22	2403.79	677720.72	607562.99	32°40'10.033"N	103°53'24.439"W	2403.73	89.852	1.29



Actual Wellpath Report

No. 9H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Yates Petroleum Corporation	Slot	No. 9H SHL
Area	Eddy County, NM	Well	No. 9H
Field	(Domino) Sec 8, T19S, R31E	Wellbore	No. 9H AWB
Facility	Domino No. 9H	Sidetrack from	No. 9 AWB at 8200.00 MD

WELLPATH DATA (180 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100]
11010.00	90.600	91.400	8824.65	2466.00	4.73	2466.70	677783.69	607561.50	32°40'10.015"N	103°53'23.702"W	2466.71	89.890	0.50
11079.00	91.000	90.800	8823.69	2535.00	3.41	2535.68	677852.67	607560.18	32°40'09.999"N	103°53'22.895"W	2535.68	89.923	1.05
11138.00	90.600	91.200	8822.86	2593.99	2.38	2594.67	677911.65	607559.15	32°40'09.987"N	103°53'22.205"W	2594.67	89.947	0.96
11201.00	89.700	91.000	8822.70	2656.99	1.17	2657.65	677974.63	607557.94	32°40'09.972"N	103°53'21.468"W	2657.65	89.975	1.46
11265.00	89.500	91.000	8823.15	2720.99	-0.05	2721.64	678038.61	607556.32	32°40'09.958"N	103°53'20.520"W	2721.64	89.999	0.31
11329.00	89.700	90.500	8823.59	2784.98	-0.79	2785.63	678102.60	607555.98	32°40'09.947"N	103°53'19.971"W	2785.63	90.016	0.84
11392.00	89.600	91.300	8823.98	2847.98	-1.78	2848.63	678165.59	607555.00	32°40'09.935"N	103°53'19.235"W	2848.63	90.036	1.28
11456.00	89.900	91.700	8824.26	2911.98	-3.45	2912.60	678229.56	607553.32	32°40'09.916"N	103°53'18.486"W	2912.60	90.068	0.78
11519.00	90.100	91.800	8824.26	2974.97	-5.37	2975.57	678292.53	607551.40	32°40'09.894"N	103°53'17.750"W	2975.58	90.103	0.35
11583.00	90.200	91.700	8824.09	3038.97	-7.53	3039.54	678356.49	607549.44	32°40'09.872"N	103°53'17.002"W	3039.55	90.133	0.22
11646.00	91.000	92.400	8823.43	3101.96	-9.58	3102.50	678419.44	607547.19	32°40'09.847"N	103°53'16.265"W	3102.51	90.177	1.69
11710.00	91.000	93.700	8822.31	3165.92	-12.99	3166.40	678483.34	607543.78	32°40'09.811"N	103°53'15.518"W	3166.42	90.235	2.03
11773.00	91.600	93.200	8820.88	3228.86	-16.78	3229.27	678546.20	607539.99	32°40'09.771"N	103°53'14.783"W	3229.31	90.298	1.24
11837.00	91.500	95.100	8819.15	3292.75	-21.41	3293.07	678610.00	607535.36	32°40'09.722"N	103°53'14.036"W	3293.14	90.372	2.97
11900.00	91.900	95.700	8817.28	3355.50	-27.53	3355.76	678672.69	607529.44	32°40'09.661"N	103°53'13.303"W	3355.88	90.467	3.14
11963.00	91.200	96.100	8815.58	3418.33	-33.81	3418.41	678735.33	607522.97	32°40'09.594"N	103°53'12.571"W	3418.57	90.567	1.28
12027.00	89.200	96.100	8815.36	3482.09	-40.61	3482.04	678798.96	607516.17	32°40'09.525"N	103°53'11.827"W	3482.28	90.668	3.17
12090.00	88.800	96.000	8816.45	3544.86	-47.25	3544.68	678861.59	607509.53	32°40'09.456"N	103°53'11.094"W	3544.99	90.764	0.11
12154.00	89.100	95.700	8817.63	3608.65	-53.77	3608.34	678925.24	607503.01	32°40'09.389"N	103°53'10.350"W	3608.74	90.854	0.66
12217.00	89.100	95.400	8818.62	3671.46	-59.86	3671.03	678987.94	607496.91	32°40'09.326"N	103°53'09.617"W	3671.52	90.934	0.43
12281.00	89.600	97.600	8819.34	3735.19	-67.10	3734.61	679051.51	607489.67	32°40'09.252"N	103°53'08.874"W	3735.22	91.029	3.52
12344.00	89.900	97.500	8819.62	3797.81	-75.38	3797.07	679113.96	607481.39	32°40'09.167"N	103°53'08.143"W	3797.81	91.137	0.50
12408.00	90.000	97.500	8819.67	3861.43	-83.74	3860.52	679177.41	607473.04	32°40'09.082"N	103°53'07.402"W	3861.43	91.243	0.16
12471.00	90.300	96.800	8819.51	3924.09	-91.58	3923.03	679239.91	607465.20	32°40'09.002"N	103°53'06.671"W	3924.10	91.337	1.21
12534.00	90.600	96.300	8819.04	3986.82	-98.76	3985.61	679302.50	607458.01	32°40'08.928"N	103°53'05.939"W	3986.84	91.439	0.92
12598.00	90.700	96.100	8818.29	4050.58	-105.67	4049.24	679366.11	607451.10	32°40'08.857"N	103°53'05.195"W	4050.62	91.495	0.35
12661.00	90.000	96.300	8817.90	4113.34	-112.48	4111.87	679428.74	607444.30	32°40'08.787"N	103°53'04.463"W	4113.40	91.567	1.16
12725.00	90.000	96.600	8817.90	4177.08	-119.67	4175.46	679492.33	607437.11	32°40'08.713"N	103°53'03.719"W	4177.18	91.642	0.47
12760.00	89.900	96.600	8817.93	4211.93	-123.69	4210.23	679527.09	607433.09	32°40'08.672"N	103°53'03.313"W	4212.05	91.683	0.29
12818.00	89.900	96.600	8818.03	4269.68	-130.36	4267.84	679584.71	607426.42	32°40'08.604"N	103°53'02.639"W	4269.84	91.749	0.00



Actual Wellpath Report

No. 9H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Yates Petroleum Corporation	Slot	No. 9H SHL
Area	Eddy County, NM	Well	No. 9H
Field	(Domino) Sec 8, T19S, R31E	Wellbore	No. 9H AWB
Facility	Domino No. 9H	Sidetrack from	No. 9 AWB at 8200.00 MD

HOLE & CASING SECTIONS Ref Wellbore: No. 9H AWB Ref Wellpath: No. 9H AWP									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing	0.00	3300.00	3300.00	0.00	3299.67	0.00	0.00	7.61	27.45
8.75in Open Hole	3300.00	8200.00	4900.00	3299.67	8199.22	7.61	27.45	45.76	34.21
7.875in Open Hole	8200.00	21818.00	13618.00	8199.22	NA	45.76	34.21	NA	NA

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
No. 9H PBHL		8845.00	-94.19	4292.74	679609.60	607462.58	32°40'08.960"N	103°53'02.346"W	point

WELLPATH COMPOSITION Ref Wellbore: No. 9H AWB Ref Wellpath: No. 9H AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8200.00	Gyrodatta standard - Drop gyro or Multi-shot	Gyrodatta Syro Surveys	No. 9 AWB
8200.00	12760.00	NaviTrak (Standard)	MWD <8278 - 12760>	No. 9H AWB
12760.00	12818.00	Blind Drilling (std)	Projection to bit	No. 9H AWB

ACTUAL WELLPATH REPORT (CSV version)

Prepared by Baker Hughes INTEQ

Software System: WellArchitect®2.0

REFERENCE WELLPATH IDENTIFICATION

Operator Yates Petroleum Corporation
 Area Eddy County, NM
 Field (Domino) Sec 8, T19S, R31E
 Facility Domino No. 9H
 Slot No. 9H SHL
 Well No. 9H
 Wellbore No. 9H AWB
 Wellpath No. 9H AWP
 Sidetrack No. 9 AWB at 8200.00 MD

REPORT SETUP INFORMATION

Projection : NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet
 North Refe Grid
 Scale 0.99993
 Convergen 0.24° East
 Software S WellArchitect®
 User Victor Hernandez
 Report Gen 5/19/2010 at 8:18:00 AM
 DataBase/ WA_Midland/ev137138.xml

WELLPATI	Local North [ft]	Local East [ft]	Grid East [ft]	Grid North [ft]	Latitude	Longitude
Slot Location	0	0	675317.2	607556.8	32°40'10.0"	103°53'52.558"W
Facility Ref			675317.2	607556.8	32°40'10.0"	103°53'52.558"W
Field Refer			675317.2	607556.8	32°40'10.0"	103°53'52.558"W

WELLPATH DATUM

Calculation Minimum curvature
 Horizontal Surface Location
 Vertical Re Rig on No. 9H SHL (KB)
 MD Refere Rig on No. 9H SHL (KB)
 Field Vertic Mean Sea Level
 Rig on No. 18.80ft
 Rig on No. 3476.80ft
 GL to Mud 0.00ft
 Section Ori 0.00ft
 Section Ori 0.00ft
 Section Azi 91.26°

WELLPATH DATA		Wellbore: No. 9H AWB		Wellpath: No. 9H AWP		† = interpolated/extrapolated		
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	
0	0	184.09	0	0	0	0	675317.2	
100	0.28	184.09	100	-0.01	-0.24	-0.02	675317.2	
200	0.19	20.7	200	0.03	-0.33	0.02	675317.2	
300	0.62	11.8	300	0.19	0.35	0.19	675317.4	

400	1.31	16.03	399.98	0.58	1.98	0.62	675317.8
500	1.31	18.82	499.96	1.21	4.16	1.3	675318.5
600	0.53	41.12	599.94	1.85	5.59	1.98	675319.2
700	0.31	37.67	699.94	2.31	6.15	2.45	675319.6
800	0.18	43.73	799.94	2.58	6.48	2.72	675319.9
900	0.26	81.68	899.94	2.91	6.63	3.05	675320.2
1000	0.18	70.93	999.94	3.28	6.71	3.43	675320.6
1100	0.25	65.24	1099.94	3.62	6.86	3.77	675320.9
1200	0.28	90.97	1199.94	4.06	6.94	4.22	675321.4
1300	0.31	81.91	1299.93	4.57	6.98	4.73	675321.9
1400	0.97	72.71	1399.93	5.64	7.27	5.8	675323
1500	1.08	63.45	1499.91	7.28	7.94	7.45	675324.6
1600	1.44	63.59	1599.89	9.22	8.92	9.42	675326.6
1700	1.4	63.16	1699.86	11.42	10.03	11.64	675328.8
1800	1.52	63.61	1799.82	13.67	11.17	13.92	675331.1
1900	1.52	63.69	1899.79	16.02	12.35	16.29	675333.5
2000	1.3	74.6	1999.76	18.28	13.24	18.58	675335.7
2100	1.17	86.21	2099.74	20.38	13.61	20.69	675337.9
2200	0.95	93.45	2199.72	22.23	13.62	22.53	675339.7
2300	0.85	90.46	2299.71	23.8	13.57	24.1	675341.3
2400	0.72	97.96	2399.7	25.17	13.47	25.47	675342.6
2500	0.58	108.43	2499.69	26.27	13.23	26.57	675343.7
2600	0.61	152.56	2599.69	27.01	12.59	27.3	675344.5
2700	0.45	152.72	2699.68	27.46	11.77	27.72	675344.9
2800	0.45	164.84	2799.68	27.75	11.05	28	675345.2
2900	0.37	183.29	2899.68	27.85	10.34	28.09	675345.3
3000	0.41	190.36	2999.67	27.79	9.67	28	675345.2
3100	0.37	196.19	3099.67	27.65	9.01	27.85	675345
3200	0.48	190.01	3199.67	27.5	8.29	27.69	675344.9
3300	0.36	212.48	3299.67	27.27	7.61	27.45	675344.6
3400	0.21	249.05	3399.66	26.94	7.28	27.11	675344.3
3500	0.13	335.92	3499.66	26.72	7.32	26.89	675344.1
3600	0.09	231.85	3599.66	26.61	7.37	26.78	675344
3700	0.23	288.32	3699.66	26.36	7.38	26.53	675343.7
3800	0.48	283.03	3799.66	25.76	7.54	25.93	675343.1
3900	0.26	234.41	3899.66	25.17	7.5	25.34	675342.5
4000	0.28	257.85	3999.66	24.75	7.32	24.91	675342.1
4100	0.29	279.03	4099.66	24.26	7.31	24.43	675341.6
4200	0.51	317.12	4199.65	23.7	7.68	23.87	675341
4300	0.61	314.83	4299.65	23	8.38	23.19	675340.4
4400	0.54	308.38	4399.64	22.24	9.04	22.44	675339.6
4500	0.59	325.92	4499.64	21.57	9.76	21.79	675339
4600	0.47	316.95	4599.64	20.98	10.49	21.22	675338.4
4700	0.62	341.8	4699.63	20.52	11.3	20.77	675337.9
4800	0.66	346.95	4799.63	20.19	12.38	20.47	675337.6
4900	0.69	345.66	4899.62	19.89	13.52	20.19	675337.4
5000	0.78	356.69	4999.61	19.67	14.79	20	675337.2
5100	0.64	345.69	5099.6	19.47	16.01	19.83	675337
5200	0.65	346.57	5199.6	19.18	17.1	19.56	675336.7
5300	0.56	347.3	5299.59	18.91	18.13	19.32	675336.5
5400	0.66	356.61	5399.58	18.75	19.18	19.18	675336.3
5500	0.73	355.81	5499.58	18.64	20.39	19.09	675336.3

5600	0.81	354.82	5599.57	18.5	21.73	18.98	675336.2
5700	0.96	351.69	5699.56	18.28	23.26	18.8	675336
5800	0.99	352.82	5799.54	18.02	24.95	18.57	675335.7
5900	1.07	4.37	5899.53	17.94	26.74	18.53	675335.7
6000	1.02	14.12	5999.51	18.19	28.53	18.82	675336
6100	1.06	10.63	6099.49	18.54	30.3	19.21	675336.4
6200	1.02	17.06	6199.48	18.93	32.06	19.64	675336.8
6300	0.93	24.8	6299.46	19.5	33.65	20.24	675337.4
6400	0.97	27.97	6399.45	20.2	35.13	20.98	675338.2
6500	1.06	26.42	6499.43	20.98	36.71	21.79	675339
6600	1.06	28.05	6599.42	21.79	38.35	22.64	675339.8
6700	1.18	28.19	6699.4	22.67	40.08	23.56	675340.7
6800	1.18	27.3	6799.38	23.59	41.9	24.52	675341.7
6900	1.32	21.79	6899.35	24.45	43.89	25.42	675342.6
7000	1.32	20.6	6999.32	25.23	46.03	26.25	675343.4
7100	1.31	20.76	7099.3	25.99	48.18	27.06	675344.2
7200	0.83	31.04	7199.28	26.74	49.87	27.84	675345
7300	0.41	48.66	7299.27	27.36	50.73	28.48	675345.7
7400	0.26	64.24	7399.27	27.82	51.06	28.95	675346.1
7500	0.17	92.37	7499.27	28.18	51.15	29.3	675346.5
7600	0.41	89.83	7599.27	28.68	51.15	29.81	675347
7700	0.73	91.44	7699.27	29.68	51.13	30.81	675348
7800	0.61	140.77	7799.26	30.66	50.71	31.78	675349
7900	0.83	157.07	7899.25	31.3	49.63	32.4	675349.6
8000	0.76	153.91	7999.24	31.9	48.36	32.97	675350.1
8100	0.86	156.21	8099.23	32.52	47.08	33.57	675350.7
8200	0.83	151.72	8199.22	33.2	45.76	34.21	675351.4
8278	3.6	94.8	8277.16	35.92	45.05	36.92	675354.1
8310	7.1	94.8	8309.02	38.9	44.8	39.89	675357.1
8342	9.3	105.6	8340.69	43.38	43.94	44.35	675361.5
8374	12	106.1	8372.14	49.1	42.33	50.04	675367.2
8406	15.4	103.1	8403.22	56.48	40.44	57.38	675374.6
8438	19.5	101.5	8433.74	65.9	38.41	66.76	675383.9
8469	23.6	98.7	8462.57	77.15	36.44	77.96	675395.1
8501	27.7	94.5	8491.41	90.93	34.89	91.72	675408.9
8533	31.3	90.5	8519.26	106.67	34.23	107.45	675424.6
8565	34.1	87.7	8546.19	123.94	34.52	124.73	675441.9
8596	36.6	86.5	8571.47	141.83	35.43	142.64	675459.8
8628	39	85.8	8596.76	161.36	36.75	162.21	675479.4
8660	41.5	85.9	8621.18	181.94	38.25	182.83	675500
8692	44	84.7	8644.67	203.55	40.03	204.47	675521.6
8723	45.9	85.4	8666.61	225.32	41.92	226.29	675543.5
8755	47.6	85.4	8688.54	248.5	43.79	249.52	675566.7
8787	50.5	84.6	8709.51	272.52	45.9	273.6	675590.8
8819	54	84.6	8729.1	297.65	48.28	298.78	675615.9
8851	58.4	85.3	8746.89	324.08	50.61	325.27	675642.4
8882	63.2	86.4	8762.01	351.01	52.57	352.25	675669.4
8914	67	88.6	8775.48	379.96	53.82	381.24	675698.4
8946	70	88.4	8787.21	409.7	54.6	411	675728.1
8978	71.8	87.8	8797.68	439.89	55.61	441.22	675758.4
9010	73.2	88.1	8807.3	470.36	56.7	471.72	675788.9
9041	75.2	87.6	8815.74	500.13	57.82	501.52	675818.7

9073	77.9	86.8	8823.19	531.17	59.34	532.6	675849.7
9106	80.4	86.8	8829.4	563.48	61.15	564.96	675882.1
9137	82.4	87.5	8834.03	594.05	62.67	595.57	675912.7
9168	85.3	87.8	8837.35	624.81	63.94	626.37	675943.5
9199	88.7	88	8838.98	655.71	65.07	657.3	675974.4
9231	89.1	88.2	8839.59	687.66	66.13	689.27	676006.4
9263	89.6	89.2	8839.95	719.62	66.86	721.26	676038.4
9295	90.3	90.6	8839.98	751.61	66.91	753.26	676070.4
9327	90.3	90.4	8839.81	783.61	66.63	785.26	676102.4
9358	90.2	90.5	8839.68	814.61	66.39	816.26	676133.4
9390	90.2	90.2	8839.57	846.6	66.19	848.26	676165.4
9422	90.8	91	8839.29	878.6	65.86	880.25	676197.4
9454	91.1	91.5	8838.76	910.59	65.16	912.24	676229.4
9485	91.5	92.3	8838.05	941.58	64.13	943.22	676260.3
9517	91.6	92.7	8837.19	973.56	62.74	975.18	676292.3
9549	91.4	92.9	8836.35	1005.54	61.18	1007.13	676324.2
9581	91.4	92.8	8835.57	1037.52	59.58	1039.08	676356.2
9613	90.4	93.6	8835.07	1069.5	57.8	1071.02	676388.1
9644	90.1	93.4	8834.93	1100.47	55.91	1101.96	676419.1
9676	90	93.2	8834.9	1132.45	54.06	1133.91	676451
9708	88.9	92.9	8835.21	1164.43	52.36	1165.86	676483
9740	89.9	92.9	8835.55	1196.42	50.74	1197.82	676514.9
9772	89.9	92.9	8835.6	1228.41	49.12	1229.78	676546.9
9804	90	92.6	8835.63	1260.4	47.59	1261.74	676578.8
9867	89.9	92.6	8835.68	1323.38	44.73	1324.68	676641.8
9931	89.8	92.3	8835.85	1387.36	41.99	1388.62	676705.7
9994	90	91.6	8835.96	1450.36	39.85	1451.58	676768.7
10057	90	91.2	8835.96	1513.36	38.31	1514.56	676831.6
10121	90	91.9	8835.96	1577.36	36.58	1578.54	676895.6
10184	89.9	91.9	8836.02	1640.35	34.49	1641.5	676958.6
10248	91.3	91.5	8835.35	1704.35	32.59	1705.47	677022.5
10312	92	91.2	8833.5	1768.32	31.09	1769.43	677086.5
10375	92.1	91.3	8831.25	1831.28	29.71	1832.37	677149.4
10439	92.2	90.7	8828.85	1895.23	28.6	1896.32	677213.4
10502	92.2	92.1	8826.43	1958.18	27.06	1959.25	677276.3
10566	89.9	93.5	8825.26	2022.14	23.93	2023.16	677340.2
10629	89.9	93.4	8825.37	2085.1	20.14	2086.04	677403.1
10693	89.9	93.1	8825.48	2149.06	16.51	2149.94	677467
10756	89.9	92.8	8825.59	2212.03	13.27	2212.86	677529.9
10820	90.2	92.2	8825.53	2276.02	10.48	2276.79	677593.8
10883	90.1	92.1	8825.37	2339.01	8.12	2339.75	677656.8
10947	90.3	91.3	8825.15	2403.01	6.22	2403.72	677720.7
11010	90.6	91.4	8824.65	2466	4.73	2466.7	677783.7
11079	91	90.8	8823.69	2535	3.41	2535.68	677852.7
11138	90.6	91.2	8822.86	2593.99	2.38	2594.67	677911.7
11201	89.7	91	8822.7	2656.99	1.17	2657.65	677974.6
11265	89.5	91	8823.15	2720.99	0.05	2721.64	678038.6
11329	89.7	90.5	8823.59	2784.98	-0.79	2785.63	678102.6
11392	89.6	91.3	8823.98	2847.98	-1.78	2848.63	678165.6
11456	89.9	91.7	8824.26	2911.98	-3.45	2912.6	678229.6
11519	90.1	91.8	8824.26	2974.97	-5.37	2975.57	678292.5
11583	90.2	91.7	8824.09	3038.97	-7.33	3039.54	678356.5

11646	91	92.4	8823.43	3101.96	-9.58	3102.5	678419.4
11710	91	93.7	8822.31	3165.92	-12.99	3166.4	678483.3
11773	91.6	93.2	8820.88	3228.86	-16.78	3229.27	678546.2
11837	91.5	95.1	8819.15	3292.75	-21.41	3293.07	678610
11900	91.9	95.7	8817.28	3355.56	-27.33	3355.76	678672.7
11963	91.2	96.1	8815.58	3418.33	-33.81	3418.41	678735.3
12027	89.2	96.1	8815.36	3482.09	-40.61	3482.04	678799
12090	88.8	96	8816.45	3544.86	-47.25	3544.68	678861.6
12154	89.1	95.7	8817.63	3608.65	-53.77	3608.34	678925.2
12217	89.1	95.4	8818.62	3671.46	-59.86	3671.03	678987.9
12281	89.6	97.6	8819.34	3735.19	-67.1	3734.61	679051.5
12344	89.9	97.5	8819.62	3797.81	-75.38	3797.07	679114
12408	90	97.5	8819.67	3861.43	-83.74	3860.52	679177.4
12471	90.3	96.8	8819.51	3924.09	-91.58	3923.03	679239.9
12534	90.6	96.3	8819.01	3986.82	-98.76	3985.61	679302.5
12598	90.7	96.1	8818.29	4050.58	-105.67	4049.24	679366.1
12661	90	96.3	8817.9	4113.34	-112.48	4111.87	679428.7
12725	90	96.6	8817.9	4177.08	-119.67	4175.46	679492.3
12760	89.9	96.6	8817.93	4211.93	-123.69	4210.23	679527.1
12818	89.9	96.6	8818.03	4269.68	-130.36	4267.84	679584.7

HOLE AND CASING SECTIONS Ref Wellbore: No. 9H AWB Ref Wellpath: No. 9H AWP

String/Dian	Start MD	End MD	Interval	Start TVD	End TVD	Start N/S	Start E/W	End N/S
	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]	[ft]
9.625in Ca	0	3300	3300	0	3299.67	0	0	7.61
8.75in Ope	3300	8200	4900	3299.67	8199.22	7.61	27.45	45.76
7.875in Op	8200	21818	13618	8199.22	NA	45.76	34.21	NA

T A R G E T S

Name	MD	TVD	North	East	Grid East	Grid North	Latitude	Longitude
	[ft]	[ft]	[ft]	[ft]	[srv ft]	[srv ft]		
No. 9H PBHL		8845	-94.19	4292.74	679609.6	607462.6	32°40'08.91	103°53'02.1

WELLPATH COMPOSITION Ref Wellbore: No. 9H AWB Ref Wellpath: No. 9H AWP

Log Name/	Start MD	End MD	Pos Unc	Model
	[ft]	[ft]		
Gyrodata S	0	8200		Gyrodata standard - Drop gyro or Multi-shot
MWD <827	8200	12760		NaviTrak (Standard)
Projection i	12760	12818		Blind Drilling (std)