



Planned Wellpath Report

Federal 25-7 PWP Rev-A.0

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REFERENCE WELLPATH IDENTIFICATION			
Operator	ENCANA OIL & GAS (USA) INC	Slot	Slot #03 Federal 25-7 (PH25) 1965'FNL & 650'FEL
Area	COLORADO	Well	Federal 25-7
Field	GARFIELD COUNTY (NEW)	Wellbore	Federal 25-7 PWB
Facility	SEC.25-T7S-R96W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado State Planes, Central Zone (502), US feet	Software System	WellArchitect® 2.0
North Reference	True	User	Thomsuzc
Scale	0.99995	Report Generated	10/16/2009 at 9:47:00 PM
Convergence at slot	1.61° West	Database/Source file	Denver/Federal_25-7_PWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-10.93	-59.34	2279328.74	1584490.94	39°24'37.476"N	108°03'03.564"W
Facility Reference Pt			2279388.36	1584500.19	39°24'37.584"N	108°03'02.808"W
Field Reference Pt			3000000.01	4560984.48	47°34'21.070"N	105°30'00.000"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on Slot #03 Federal 25-7 (PH25) 1965'FNL & 650'FEL (RT) to Facility Vertical Datum	6086.00ft
Horizontal Reference Pt	Slot	Rig on Slot #03 Federal 25-7 (PH25) 1965'FNL & 650'FEL (RT) to Mean Sea Level	6086.00ft
Vertical Reference Pt	Rig on Slot #03 Federal 25-7 (PH25) 1965'FNL & 650'FEL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig on Slot #03 Federal 25-7 (PH25) 1965'FNL & 650'FEL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	259.44°



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WELLPATH DATA (78 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]
0.00†	0.000	259.437	0.00	0.00	0.00	0.00	0.00
22.00	0.000	259.437	22.00	0.00	0.00	0.00	0.00
122.00†	0.000	259.437	122.00	0.00	0.00	0.00	0.00
200.00	0.000	259.437	200.00	0.00	0.00	0.00	0.00
222.00†	0.440	259.437	222.00	0.08	-0.02	-0.08	2.00
322.00†	2.440	259.437	321.96	2.60	-0.48	-2.55	2.00
422.00†	4.440	259.437	421.78	8.60	-1.58	-8.45	2.00
522.00†	6.440	259.437	521.32	18.08	-3.31	-17.77	2.00
622.00†	8.440	259.437	620.48	31.03	-5.69	-30.50	2.00
722.00†	10.440	259.437	719.12	47.43	-8.69	-46.62	2.00
822.00†	12.440	259.437	817.12	67.26	-12.33	-66.12	2.00
922.00†	14.440	259.437	914.38	90.50	-16.59	-88.97	2.00
1000.00	16.000	259.437	989.64	110.98	-20.34	-109.10	2.00
1022.00†	16.000	259.437	1010.79	117.04	-21.46	-115.06	0.00
1122.00†	16.000	259.437	1106.92	144.60	-26.51	-142.15	0.00
1200.00	16.000	259.437	1181.90	166.10	-30.45	-163.29	0.00
1222.00†	16.440	259.437	1203.02	172.25	-31.58	-169.33	2.00
1322.00†	18.440	259.437	1298.42	202.22	-37.07	-198.79	2.00
1422.00†	20.440	259.437	1392.71	235.50	-43.17	-231.51	2.00
1512.65	22.253	259.437	1477.14	268.49	-49.22	-263.94	2.00
1522.00†	22.253	259.437	1485.79	272.04	-49.87	-267.43	0.00
1622.00†	22.253	259.437	1578.35	309.91	-56.81	-304.65	0.00
1722.00†	22.253	259.437	1670.90	347.78	-63.75	-341.88	0.00
1822.00†	22.253	259.437	1763.45	385.64	-70.70	-379.11	0.00
1922.00†	22.253	259.437	1856.00	423.51	-77.64	-416.34	0.00
2022.00†	22.253	259.437	1948.55	461.38	-84.58	-453.56	0.00
2122.00†	22.253	259.437	2041.11	499.25	-91.52	-490.79	0.00
2222.00†	22.253	259.437	2133.66	537.12	-98.47	-528.02	0.00
2322.00†	22.253	259.437	2226.21	574.99	-105.41	-565.25	0.00
2422.00†	22.253	259.437	2318.76	612.86	-112.35	-602.48	0.00
2522.00†	22.253	259.437	2411.31	650.73	-119.29	-639.70	0.00
2622.00†	22.253	259.437	2503.87	688.60	-126.24	-676.93	0.00
2722.00†	22.253	259.437	2596.42	726.47	-133.18	-714.16	0.00
2822.00†	22.253	259.437	2688.97	764.34	-140.12	-751.39	0.00
2922.00†	22.253	259.437	2781.52	802.21	-147.06	-788.62	0.00
3022.00†	22.253	259.437	2874.07	840.08	-154.01	-825.84	0.00
3122.00†	22.253	259.437	2966.63	877.95	-160.95	-863.07	0.00
3222.00†	22.253	259.437	3059.18	915.82	-167.89	-900.30	0.00
3322.00†	22.253	259.437	3151.73	953.69	-174.83	-937.53	0.00
3422.00†	22.253	259.437	3244.28	991.56	-181.77	-974.75	0.00
3522.00†	22.253	259.437	3336.84	1029.43	-188.72	-1011.98	0.00
3622.00†	22.253	259.437	3429.39	1067.30	-195.66	-1049.21	0.00
3722.00†	22.253	259.437	3521.94	1105.17	-202.60	-1086.44	0.00
3807.55	22.253	259.437	3601.12	1137.56	-208.54	-1118.29	0.00
3822.00†	21.964	259.437	3614.51	1143.00	-209.54	-1123.63	2.00



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Area	COLORADO	Well	Federal 25-7
Field	GARFIELD COUNTY (NEW)	Wellbore	Federal 25-7 PWB
Facility	SEC.25-T7S-R96W		

WELLPATH DATA (78 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	
3922.00†	19.964	259.437	3707.88	1178.78	-216.10	-1158.80	2.00	
4022.00†	17.964	259.437	3802.45	1211.28	-222.05	-1190.75	2.00	
4122.00†	15.964	259.437	3898.09	1240.45	-227.40	-1219.43	2.00	
4222.00†	13.964	259.437	3994.70	1266.27	-232.14	-1244.81	2.00	
4322.00†	11.964	259.437	4092.14	1288.70	-236.25	-1266.86	2.00	
4422.00†	9.964	259.437	4190.31	1307.72	-239.73	-1285.56	2.00	
4522.00†	7.964	259.437	4289.09	1323.30	-242.59	-1300.88	2.00	
4622.00†	5.964	259.437	4388.34	1335.43	-244.81	-1312.79	2.00	
4722.00†	3.964	259.437	4487.96	1344.08	-246.40	-1321.30	2.00	
4822.00†	1.964	259.437	4587.82	1349.25	-247.35	-1326.38	2.00	
4920.19	0.000	259.437	4686.00 ¹	1350.93	-247.66	-1328.04	2.00	
4922.00†	0.000	259.437	4687.81	1350.93	-247.66	-1328.04	0.00	
5022.00†	0.000	259.437	4787.81	1350.93	-247.66	-1328.04	0.00	
5122.00†	0.000	259.437	4887.81	1350.93	-247.66	-1328.04	0.00	
5222.00†	0.000	259.437	4987.81	1350.93	-247.66	-1328.04	0.00	
5322.00†	0.000	259.437	5087.81	1350.93	-247.66	-1328.04	0.00	
5422.00†	0.000	259.437	5187.81	1350.93	-247.66	-1328.04	0.00	
5522.00†	0.000	259.437	5287.81	1350.93	-247.66	-1328.04	0.00	
5622.00†	0.000	259.437	5387.81	1350.93	-247.66	-1328.04	0.00	
5722.00†	0.000	259.437	5487.81	1350.93	-247.66	-1328.04	0.00	
5822.00†	0.000	259.437	5587.81	1350.93	-247.66	-1328.04	0.00	
5922.00†	0.000	259.437	5687.81	1350.93	-247.66	-1328.04	0.00	
6022.00†	0.000	259.437	5787.81	1350.93	-247.66	-1328.04	0.00	
6122.00†	0.000	259.437	5887.81	1350.93	-247.66	-1328.04	0.00	
6222.00†	0.000	259.437	5987.81	1350.93	-247.66	-1328.04	0.00	
6322.00†	0.000	259.437	6087.81	1350.93	-247.66	-1328.04	0.00	
6422.00†	0.000	259.437	6187.81	1350.93	-247.66	-1328.04	0.00	
6522.00†	0.000	259.437	6287.81	1350.93	-247.66	-1328.04	0.00	
6622.00†	0.000	259.437	6387.81	1350.93	-247.66	-1328.04	0.00	
6722.00†	0.000	259.437	6487.81	1350.93	-247.66	-1328.04	0.00	
6725.19	0.000	259.437	6491.00	1350.93	-247.66	-1328.04	0.00	
6822.00†	0.000	259.437	6587.81	1350.93	-247.66	-1328.04	0.00	
6920.19	0.000	259.437	6686.00	1350.93	-247.66	-1328.04	0.00	

HOLE & CASING SECTIONS Ref Wellbore: Federal 25-7 PWB Ref Wellpath: Federal 25-7 PWP Rev-A.0									
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]
12.25in Open Hole	22.00	1100.00	1078.00	22.00	1085.77	0.00	0.00	-25.40	-136.19
9.625in Casing Surface	22.00	1100.00	1078.00	22.00	1085.77	0.00	0.00	-25.40	-136.19



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Facility	SEC.25-T7S-R96W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
1) Federal 25-7 Target 25' Radius 2180'FNL & 1980'FEL	4920.19	4686.00	-247.66	-1328.04	2277994.34	1584280.68	39°24'35.028"N	108°03'20.484"W	circle

SURVEY PROGRAM Ref Wellbore: Federal 25-7 PWB Ref Wellpath: Federal 25-7 PWP Rev-A.0				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
22.00	6920.19	MTC (Collar, post-2000) (Standard)		Federal 25-7 PWB



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Area	COLORADO	Well	Federal 25-7
Field	GARFIELD COUNTY (NEW)	Wellbore	Federal 25-7 PWB
Facility	SEC.25-T7S-R96W		

WELLPATH COMMENTS					
MD [ft]	Inclination [°]		Azimuth [°]	TVD [ft]	Comment
2635.11	22.253		259.437	2516.00	Wasatch Marker
3639.95	22.253		259.437	3446.00	Ohio Creek
4182.05	14.763		259.437	3956.00	Williams Fork
4920.19	0.000		259.437	4686.00	Top Gas
6170.19	0.000		259.437	5936.00	Coal Ridge
6525.19	0.000		259.437	6291.00	Rollins
6725.19	0.000		259.437	6491.00	TD
6920.19	0.000		259.437	6686.00	Permit TD