

Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	14.00	0.000	187.424	14.00	0.00	0.00	0.00	0.00
End of Tangent	1400.00	0.000	187.424	1400.00	0.00	0.00	0.00	0.00
End of Build (S)	2387.50	19.750	187.424	2388.06	-167.11	-21.77	2.00	168.52
End of Tangent (S)	4997.38	19.750	187.424	4824.42	-1041.64	-135.73	0.00	1050.44
End of Drop (S)	5984.88	0.000	187.424	5792.48	-1208.74	-157.50	2.00	1218.96
End of Tangent	8942.40	0.000	187.424	8750.00	-1208.74	-157.50	0.00	1218.96
Targets								
Name	MD (ft)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (USft)	Grid North (USft)	Latitude	Longitude
Sauvage 12-7 TARGET		7000.00	-1208.74	-167.50	3157472.62	2336404.46	39° 56' 51.40"N	104° 56' 17.01"W
Location Information								
Facility Name			Grid East (USft)	Grid North (USft)	Latitude	Longitude		
SEC-7-T1S-R67W			3157630.115	1237613.147	39° 59' 03.336"N	104° 56' 14.892"W		
Slot	Local N (ft)	Local E (ft)	Grid East (USft)	Grid North (USft)	Latitude	Longitude		
Sauvage 12-7	0.00	0.00	3157630.115	1237613.147	39° 59' 03.336"N	104° 56' 14.892"W		
Rig on Sauvage #12-7 (RT) to Mud line (Facility - SEC-7-T1S-R67W)					5133ft			
Mean Sea Level to Mud line (Facility - SEC-7-T1S-R67W)					0ft			
Rig on Sauvage #12-7 (RT) to Mean Sea Level					5133ft			
Plot reference wellpath is Sauvage 12-7 PWP								
True vertical depths are referenced to Rig on Sauvage #12-7 (RT)				Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet				
Measured depths are referenced to Rig on Sauvage #12-7 (RT)				North Reference: Grid north				
Rig on Sauvage #12-7 (RT) to Mean Sea Level: 5133 feet				Scale: True distance				
Mean Sea Level to Mud line (Facility - SEC-7-T1S-R67W): 0 feet				Depths are in feet				
Coordinates are in feet referenced to Slot								
Created by: L. Doubek on 8/12/2006								

Planned Wellpath Report

Wellpath: Sauvage 12-7 PWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	TEXAS AMERICAN RESOURCES CO.	Slot	Sauvage 12-7
Area	COLORADO	Well	Sauvage 12-7
Field	ADAMS COUNTY	Wellbore	Sauvage 12-7 PWB
Facility	SEC.7-T1S-R67W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet	Software System	WellArchitect™
North Reference	Grid	User	L. Doubek
Scale	0.999968	Report Generated	06/12/06 at 12:18:
Wellbore last revised	06/12/06	Database/Source file	WA_Denver/Sau

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North [feet]	East [feet]	Easting [US feet]	Northing [US feet]	Latitude [°]	Longitude [°]
Slot Location	0.00	0.00	3157630.12	1237613.15	39 59 03.336N	104 56 14.892W
Facility Reference Pt			3157630.12	1237613.15	39 59 03.336N	104 56 14.892W
Field Reference Pt			3157630.12	1237613.15	39 59 03.336N	104 56 14.892W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on Sauvage #12-7 (RT) to Facility Vertical Datum	5133.00 feet
Horizontal Reference Pt	Slot	Rig on Sauvage #12-7 (RT) to Mean Sea Level	5133.00 feet
Vertical Reference Pt	Rig on Sauvage #12-7 (RT)	Facility Vertical Datum to Mud Line	0.00 feet
MD Reference Pt	Rig on Sauvage #12-7 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	187.42°

Planned Wellpath Report

Wellpath: Sauvage 12-7 PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	TEXAS AMERICAN RESOURCES CO.	Slot	Sauvage 12-7
Area	COLORADO	Well	Sauvage 12-7
Field	ADAMS COUNTY	Wellbore	Sauvage 12-7 PWB
Facility	SEC.7-TIS-R67W		

WELLPATH DATA (96 stations) † = interpolated/extrapolated station							
MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
0.00†	0.000	187.424	0.00	0.00	0.00	0.00	0.00
14.00	0.000	187.424	14.00	0.00	0.00	0.00	0.00
114.00†	0.000	0.000	114.00	0.00	0.00	0.00	0.00
214.00†	0.000	0.000	214.00	0.00	0.00	0.00	0.00
314.00†	0.000	0.000	314.00	0.00	0.00	0.00	0.00
414.00†	0.000	0.000	414.00	0.00	0.00	0.00	0.00
514.00†	0.000	0.000	514.00	0.00	0.00	0.00	0.00
614.00†	0.000	0.000	614.00	0.00	0.00	0.00	0.00
714.00†	0.000	0.000	714.00	0.00	0.00	0.00	0.00
814.00†	0.000	0.000	814.00	0.00	0.00	0.00	0.00
914.00†	0.000	0.000	914.00	0.00	0.00	0.00	0.00
1014.00†	0.000	0.000	1014.00	0.00	0.00	0.00	0.00
1114.00†	0.000	0.000	1114.00	0.00	0.00	0.00	0.00
1214.00†	0.000	0.000	1214.00	0.00	0.00	0.00	0.00
1314.00†	0.000	0.000	1314.00	0.00	0.00	0.00	0.00
1400.00	0.000	187.424	1400.00	0.00	0.00	0.00	0.00
1414.00†	0.280	187.424	1414.00	0.03	-0.03	0.00	2.00
1514.00†	2.280	187.424	1513.97	2.27	-2.25	-0.29	2.00
1614.00†	4.280	187.424	1613.80	7.99	-7.92	-1.03	2.00
1714.00†	6.280	187.424	1713.37	17.19	-17.05	-2.22	2.00
1814.00†	8.280	187.424	1812.56	29.86	-29.61	-3.86	2.00
1914.00†	10.280	187.424	1911.25	45.99	-45.60	-5.94	2.00
2014.00†	12.280	187.424	2009.31	65.55	-65.00	-8.47	2.00
2114.00†	14.280	187.424	2106.63	88.52	-87.77	-11.44	2.00
2214.00†	16.280	187.424	2203.09	114.87	-113.91	-14.84	2.00
2314.00†	18.280	187.424	2298.57	144.57	-143.36	-18.68	2.00
2387.50	19.750	187.424	2368.06	168.52	-167.11	-21.77	2.00
2414.00†	19.750	187.424	2393.00	177.47	-175.99	-22.93	0.00
2514.00†	19.750	187.424	2487.12	211.26	-209.49	-27.30	0.00
2614.00†	19.750	187.424	2581.24	245.06	-243.00	-31.66	0.00
2714.00†	19.750	187.424	2675.35	278.85	-276.51	-36.03	0.00
2814.00†	19.750	187.424	2769.47	312.64	-310.02	-40.40	0.00
2914.00†	19.750	187.424	2863.59	346.43	-343.53	-44.76	0.00
3014.00†	19.750	187.424	2957.71	380.22	-377.04	-49.13	0.00
3114.00†	19.750	187.424	3051.82	414.01	-410.54	-53.50	0.00
3214.00†	19.750	187.424	3145.94	447.81	-444.05	-57.86	0.00
3314.00†	19.750	187.424	3240.06	481.60	-477.56	-62.23	0.00
3414.00†	19.750	187.424	3334.18	515.39	-511.07	-66.59	0.00
3514.00†	19.750	187.424	3428.29	549.18	-544.58	-70.96	0.00
3614.00†	19.750	187.424	3522.41	582.97	-578.09	-75.33	0.00

Planned Wellpath Report

Wellpath: Sauvage 12-7 PWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	TEXAS AMERICAN RESOURCES CO.	Slot	Sauvage 12-7
Area	COLORADO	Well	Sauvage 12-7
Field	ADAMS COUNTY	Wellbore	Sauvage 12-7 PWB
Facility	SEC.7-TIS-R67W		

WELLPATH DATA (96 stations) † = interpolated/extrapolated station

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
3714.00†	19.750	187.424	3616.53	616.76	-611.59	-79.69	0.00
3814.00†	19.750	187.424	3710.65	650.56	-645.10	-84.06	0.00
3914.00†	19.750	187.424	3804.77	684.35	-678.61	-88.43	0.00
4014.00†	19.750	187.424	3898.88	718.14	-712.12	-92.79	0.00
4114.00†	19.750	187.424	3993.00	751.93	-745.63	-97.16	0.00
4214.00†	19.750	187.424	4087.12	785.72	-779.14	-101.52	0.00
4314.00†	19.750	187.424	4181.24	819.51	-812.64	-105.89	0.00
4414.00†	19.750	187.424	4275.35	853.31	-846.15	-110.26	0.00
4514.00†	19.750	187.424	4369.47	887.10	-879.66	-114.62	0.00
4614.00†	19.750	187.424	4463.59	920.89	-913.17	-118.99	0.00
4714.00†	19.750	187.424	4557.71	954.68	-946.68	-123.36	0.00
4814.00†	19.750	187.424	4651.82	988.47	-980.19	-127.72	0.00
4914.00†	19.750	187.424	4745.94	1022.26	-1013.70	-132.09	0.00
4997.38	19.750	187.424	4824.42	1050.44	-1041.64	-135.73	0.00
5014.00†	19.418	187.424	4840.08	1056.01	-1047.16	-136.45	2.00
5114.00†	17.418	187.424	4934.95	1087.60	-1078.49	-140.53	2.00
5214.00†	15.418	187.424	5030.87	1115.87	-1106.51	-144.18	2.00
5314.00†	13.418	187.424	5127.71	1140.76	-1131.20	-147.40	2.00
5414.00†	11.418	187.424	5225.37	1162.27	-1152.52	-150.18	2.00
5514.00†	9.418	187.424	5323.71	1180.35	-1170.45	-152.51	2.00
5614.00†	7.418	187.424	5422.63	1194.99	-1184.97	-154.41	2.00
5714.00†	5.418	187.424	5522.00	1206.16	-1196.05	-155.85	2.00
5814.00†	3.418	187.424	5621.70	1213.86	-1203.69	-156.84	2.00
5914.00†	1.418	187.424	5721.60	1218.08	-1207.87	-157.39	2.00
5984.88	0.000	187.424	5792.48†	1218.96	-1208.74	-157.50	2.00
6014.00†	0.000	0.000	5821.60	1218.96	-1208.74	-157.50	0.00
6114.00†	0.000	0.000	5921.60	1218.96	-1208.74	-157.50	0.00
6214.00†	0.000	0.000	6021.60	1218.96	-1208.74	-157.50	0.00
6314.00†	0.000	0.000	6121.60	1218.96	-1208.74	-157.50	0.00
6414.00†	0.000	0.000	6221.60	1218.96	-1208.74	-157.50	0.00
6514.00†	0.000	0.000	6321.60	1218.96	-1208.74	-157.50	0.00
6614.00†	0.000	0.000	6421.60	1218.96	-1208.74	-157.50	0.00
6714.00†	0.000	0.000	6521.60	1218.96	-1208.74	-157.50	0.00
6814.00†	0.000	0.000	6621.60	1218.96	-1208.74	-157.50	0.00
6914.00†	0.000	0.000	6721.60	1218.96	-1208.74	-157.50	0.00
7014.00†	0.000	0.000	6821.60	1218.96	-1208.74	-157.50	0.00
7114.00†	0.000	0.000	6921.60	1218.96	-1208.74	-157.50	0.00
7214.00†	0.000	0.000	7021.60	1218.96	-1208.74	-157.50	0.00
7314.00†	0.000	0.000	7121.60	1218.96	-1208.74	-157.50	0.00
7414.00†	0.000	0.000	7221.60	1218.96	-1208.74	-157.50	0.00

Planned Wellpath Report

Wellpath: Sauvage 12-7 PWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	TEXAS AMERICAN RESOURCES CO.	Slot	Sauvage 12-7
Area	COLORADO	Well	Sauvage 12-7
Field	ADAMS COUNTY	Wellbore	Sauvage 12-7 PWB
Facility	SEC.7-T1S-R67W		

WELLPATH DATA (96 stations) † = interpolated/extrapolated station							
MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
7514.00†	0.000	0.000	7321.60	1218.96	-1208.74	-157.50	0.00
7614.00†	0.000	0.000	7421.60	1218.96	-1208.74	-157.50	0.00
7714.00†	0.000	0.000	7521.60	1218.96	-1208.74	-157.50	0.00
7814.00†	0.000	0.000	7621.60	1218.96	-1208.74	-157.50	0.00
7914.00†	0.000	0.000	7721.60	1218.96	-1208.74	-157.50	0.00
8014.00†	0.000	0.000	7821.60	1218.96	-1208.74	-157.50	0.00
8114.00†	0.000	0.000	7921.60	1218.96	-1208.74	-157.50	0.00
8214.00†	0.000	0.000	8021.60	1218.96	-1208.74	-157.50	0.00
8314.00†	0.000	0.000	8121.60	1218.96	-1208.74	-157.50	0.00
8414.00†	0.000	0.000	8221.60	1218.96	-1208.74	-157.50	0.00
8514.00†	0.000	0.000	8321.60	1218.96	-1208.74	-157.50	0.00
8614.00†	0.000	0.000	8421.60	1218.96	-1208.74	-157.50	0.00
8714.00†	0.000	0.000	8521.60	1218.96	-1208.74	-157.50	0.00
8814.00†	0.000	0.000	8621.60	1218.96	-1208.74	-157.50	0.00
8914.00†	0.000	0.000	8721.60	1218.96	-1208.74	-157.50	0.00
8942.40	0.000	187.424	8750.00	1218.96	-1208.74	-157.50	0.00

TARGETS									
Name	MD [feet]	TVD [feet]	North [feet]	East [feet]	Grid East [us survey feet]	Grid North [us survey feet]	Latitude [°]	Longitude [°]	Shape
1) Sauvage 12-7 TARGET		7000.00	-1208.74	-157.50	3157472.62	1236404.45	39 58 51.401N	104 56 17.014W	square

SURVEY PROGRAM Ref Wellbore: Sauvage 12-7 PWB Ref Wellpath: Sauvage 12-7 PWP					
Start MD [feet]	End MD [feet]	Tool Type	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	8942.40	MTC (Collar, pre-2000)	MTC (Collar, pre-2000) (Standard)		Sauvage 12-7 PWB