



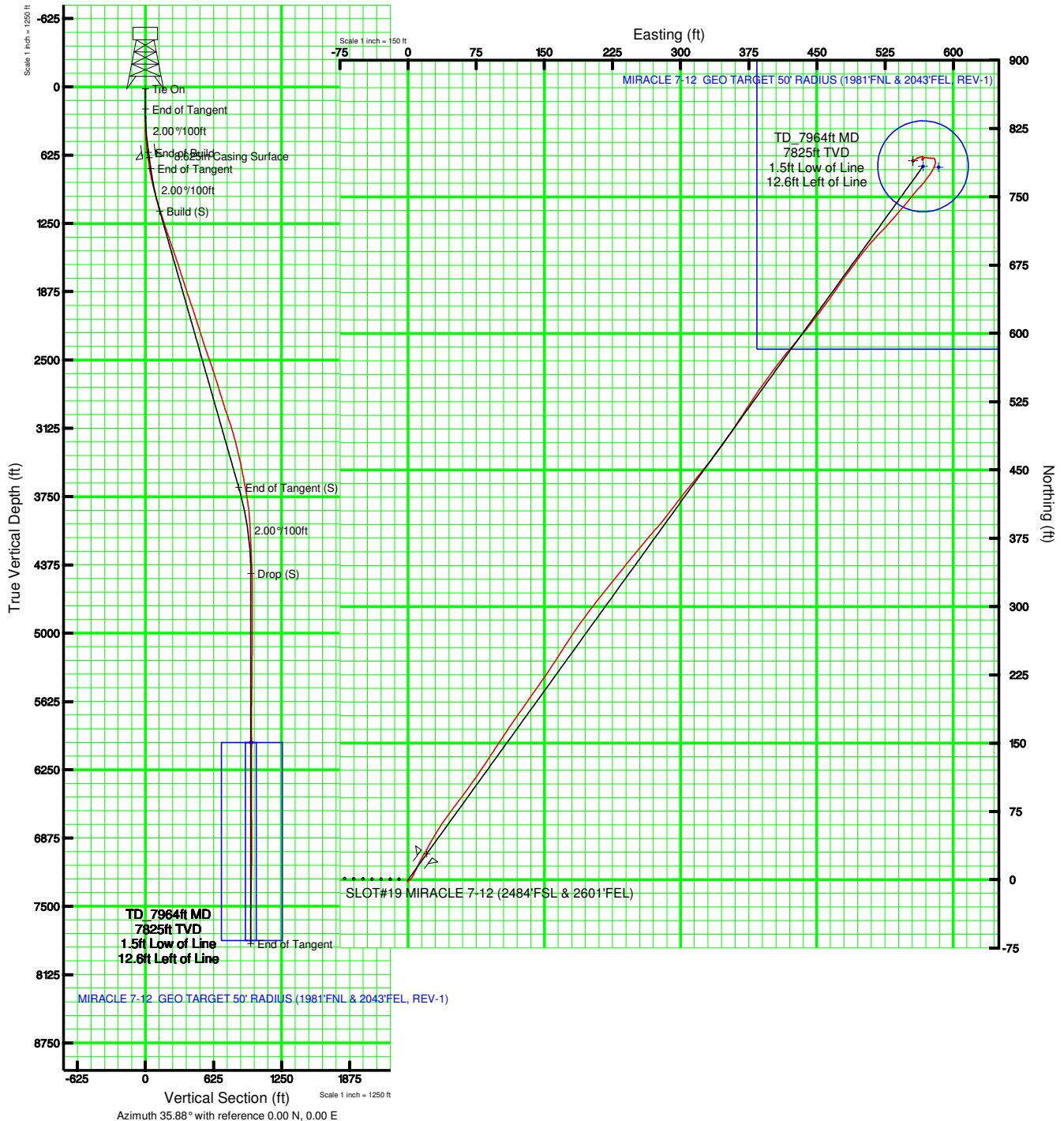
KERR MCGEE

Location: COLORADO Slot: SLOT#19 MIRACLE 7-12 (2484'FSL & 2601'FEL)
Field: LARIMER COUNTY Well: MIRACLE 7-12
Facility: SEC.12-T5N-R68W Wellbore: MIRACLE 7-12 PWB



Plot reference wellpath is MIRACLE 7-12 (REV A-2) PWB	
True vertical depths are referenced to XTREME 6 (RT)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US test
Measured depths are referenced to XTREME 6 (RT)	North Reference: True north
XTREME 6 (RT) to Mean Sea Level: 4979 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.12-T5N-R68W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: corbarn on 10/21/2010

Well Profile Data							
Design Comment	MD (ft)	Inc. (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°100ft)
File On	16.00	0.000	35.884	16.00	0.00	0.00	0.00
End of Tangent	200.00	0.000	35.884	200.00	0.00	0.00	0.00
End of Build	600.00	8.000	35.884	598.70	22.59	16.34	2.00
End of Tangent	750.00	8.000	35.884	747.24	39.50	28.58	0.00
Build (S)	1150.00	16.000	35.884	1138.18	106.83	77.29	2.00
End of Tangent (S)	3778.05	16.000	35.884	3664.43	693.73	501.89	0.00
Drop (S)	4578.05	0.000	35.884	4454.07	783.64	566.94	2.00
End of Tangent	7964.98	0.000	35.884	7841.00	783.64	566.94	0.00





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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE	Slot	SLOT#19 MIRACLE 7-12 (2484'FSL & 2601'FEL)
Area	COLORADO	Well	MIRACLE 7-12
Field	LARIMER COUNTY	Wellbore	Miracle 7-12 AWB
Facility	SEC.12-T5N-R68W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet	Software System	WellArchitect® 2.0
North Reference	True	User	Combbarn
Scale	0.999961	Report Generated	10/20/2010 at 4:06:08 PM
Convergence at slot	0.35° East	Database/Source file	WellArchitectDB/Miracle_7-12_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	46.01	-2325.46	3152094.92	1394095.11	40°24'50.065"N	104°57'13.619"W
Facility Reference Pt			3154420.53	1394063.64	40°24'49.612"N	104°56'43.555"W
Field Reference Pt			3154420.53	1394063.64	40°24'49.612"N	104°56'43.555"W

WELLPATH DATUM

Calculation method	Minimum curvature	XTREME 6 (RT) to Facility Vertical Datum	4979.00ft
Horizontal Reference Pt	Slot	XTREME 6 (RT) to Mean Sea Level	4979.00ft
Vertical Reference Pt	XTREME 6 (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 6 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	35.88°



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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
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Area	COLORADO	Well	MIRACLE 7-12
Field	LARIMER COUNTY	Wellbore	Miracle 7-12 AWB
Facility	SEC.12-T5N-R68W		

WELLPATH DATA (91 stations) † = interpolated/extrapolated station								Comments
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	
0.00†	0.000	208.700	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	208.700	16.00	0.00	0.00	0.00	0.00	
162.00	0.900	208.700	161.99	-1.14	-1.01	-0.55	0.62	
253.00	0.300	164.100	252.99	-1.99	-1.86	-0.83	0.79	
342.00	1.400	65.300	341.98	-1.19	-1.63	0.22	1.66	
431.00	3.100	42.400	430.91	2.15	0.60	2.83	2.12	
518.00	5.100	26.600	517.69	8.30	5.80	6.15	2.62	
606.00	7.000	24.500	605.19	17.42	14.17	10.13	2.17	
709.00	8.600	30.500	707.24	31.24	26.52	16.64	1.74	
798.00	10.800	28.700	794.96	46.14	39.57	24.02	2.49	
885.00	13.200	32.200	880.05	64.14	55.13	33.23	2.88	
973.00	15.200	36.800	965.36	85.71	72.87	45.50	2.61	
1063.00	17.100	36.800	1051.81	110.74	92.91	60.49	2.11	
1152.00	17.400	35.100	1136.80	137.13	114.28	75.98	0.66	
1241.00	18.300	32.900	1221.52	164.39	136.90	91.22	1.26	
1331.00	17.900	34.000	1307.07	192.32	160.23	106.63	0.58	
1419.00	18.800	35.000	1390.59	220.02	183.06	122.33	1.08	
1507.00	19.300	35.400	1473.77	248.74	206.53	138.89	0.59	
1595.00	18.200	34.300	1557.10	277.02	229.73	155.06	1.31	
1683.00	18.500	32.200	1640.63	304.69	252.90	170.24	0.82	
1771.00	17.800	34.700	1724.25	332.07	275.77	185.34	1.19	
1862.00	17.800	37.900	1810.89	359.88	298.19	201.80	1.07	
1951.00	18.700	38.900	1895.42	387.72	320.02	219.12	1.07	
2040.00	18.900	38.600	1979.67	416.36	342.39	237.07	0.25	
2128.00	18.600	39.900	2063.00	444.60	364.30	254.96	0.58	
2217.00	17.900	41.000	2147.52	472.38	385.51	273.04	0.88	
2307.00	17.500	36.800	2233.26	499.69	406.78	290.22	1.49	
2396.00	17.500	38.900	2318.15	526.43	427.91	306.64	0.71	
2486.00	19.000	39.900	2403.62	554.56	449.68	324.54	1.70	
2575.00	19.800	36.100	2487.57	584.09	472.98	342.71	1.68	
2663.00	18.600	33.300	2570.67	613.02	496.75	359.20	1.72	
2751.00	17.200	32.900	2654.41	640.03	519.41	373.97	1.60	
2841.00	17.600	35.400	2740.29	666.93	541.67	389.08	0.94	
2931.00	17.300	36.800	2826.15	693.91	563.48	404.98	0.57	
3020.00	17.100	40.600	2911.17	720.19	584.01	421.42	1.28	
3109.00	19.600	38.600	2995.64	748.14	605.62	439.26	2.90	
3199.00	18.500	36.800	3080.71	777.50	628.85	457.23	1.39	
3289.00	15.900	34.300	3166.68	804.10	650.47	472.73	3.00	
3377.00	15.000	36.800	3251.50	827.54	669.55	486.35	1.27	
3465.00	13.600	36.500	3336.77	849.27	686.98	499.32	1.59	
3554.00	12.500	43.100	3423.48	869.29	702.43	512.13	2.08	
3644.00	10.800	42.700	3511.62	887.33	715.74	524.50	1.89	
3733.00	10.800	41.400	3599.04	903.91	728.12	535.67	0.27	
3821.00	10.500	40.000	3685.53	920.11	740.45	546.28	0.45	
3909.00	8.900	38.900	3772.27	934.91	751.89	555.71	1.83	



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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE	Slot	SLOT#19 MIRACLE 7-12 (2484'FSL & 2601'FEL)
Area	COLORADO	Well	MIRACLE 7-12
Field	LARIMER COUNTY	Wellbore	Miracle 7-12 AWB
Facility	SEC.12-T5N-R68W		

WELLPATH DATA (91 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
3997.00	7.300	43.100	3859.39	947.26	761.27	563.80	1.94	
4086.00	3.800	35.100	3947.96	955.82	767.81	569.36	4.02	
4176.00	2.800	38.600	4037.81	961.00	771.97	572.45	1.13	
4265.00	2.700	34.300	4126.71	965.26	775.40	574.99	0.26	
4355.00	2.600	28.700	4216.61	969.41	778.94	577.16	0.31	
4444.00	2.500	25.200	4305.52	973.32	782.47	578.96	0.21	
4532.00	2.800	13.300	4393.43	977.19	786.30	580.27	0.71	
4620.00	1.100	330.300	4481.38	979.52	789.13	580.35	2.42	
4709.00	0.400	30.500	4570.37	980.18	790.13	580.08	1.09	
4797.00	0.400	330.700	4658.37	980.62	790.67	580.09	0.45	
4884.00	0.600	344.800	4745.36	981.03	791.37	579.82	0.27	
4972.00	0.700	310.700	4833.36	981.37	792.17	579.29	0.45	
5060.00	0.400	282.900	4921.36	981.29	792.59	578.58	0.45	
5148.00	0.600	268.100	5009.35	980.89	792.64	577.82	0.27	
5237.00	0.700	261.800	5098.35	980.23	792.55	576.82	0.14	
5326.00	0.600	263.600	5187.34	979.53	792.42	575.82	0.11	
5415.00	0.700	279.000	5276.34	978.97	792.45	574.82	0.23	
5503.00	0.800	280.100	5364.33	978.46	792.64	573.68	0.11	
5591.00	1.100	278.300	5452.32	977.81	792.87	572.24	0.34	
5680.00	1.300	270.900	5541.30	976.83	793.01	570.39	0.28	
5769.00	1.600	272.700	5630.27	975.57	793.09	568.14	0.34	
5857.00	1.200	222.140	5718.24	973.98	792.46	566.29	1.42	
5944.00	0.400	141.200	5805.24	973.00	791.55	565.87	1.38	
6032.00	0.200	130.000	5893.24	972.91	791.21	566.18	0.24	
6121.00	0.100	0.200	5982.24	972.96	791.19	566.30	0.31	
6210.00	0.300	218.600	6071.23	972.79	791.08	566.15	0.43	
6299.00	0.500	121.200	6160.23	972.59	790.70	566.34	0.69	
6387.00	0.200	121.200	6248.23	972.63	790.42	566.80	0.34	
6477.00	0.100	89.500	6338.23	972.69	790.34	567.01	0.14	
6568.00	0.500	19.600	6429.23	973.12	790.72	567.23	0.52	
6657.00	0.500	349.000	6518.23	973.76	791.46	567.28	0.30	
6747.00	0.400	348.300	6608.22	974.24	792.16	567.14	0.11	
6835.00	0.500	357.100	6696.22	974.74	792.84	567.06	0.14	
6924.00	0.300	297.700	6785.22	975.01	793.34	566.84	0.49	
7015.00	0.300	338.100	6876.22	975.11	793.67	566.54	0.23	
7104.00	0.400	353.900	6965.22	975.46	794.19	566.42	0.16	
7193.00	0.300	276.200	7054.22	975.58	794.53	566.15	0.50	
7282.00	1.500	248.900	7143.20	974.48	794.13	564.83	1.39	
7371.00	1.300	247.700	7232.18	972.65	793.33	562.81	0.23	
7460.00	1.000	249.200	7321.16	971.14	792.67	561.15	0.34	
7548.00	1.000	238.300	7409.14	969.79	791.99	559.78	0.22	
7636.00	1.000	234.400	7497.13	968.35	791.14	558.50	0.08	
7724.00	0.200	237.200	7585.13	967.48	790.61	557.75	0.91	
7813.00	0.700	258.600	7674.12	966.94	790.42	557.09	0.58	
7914.00	0.500	232.600	7775.12	966.06	790.03	556.13	0.33	



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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE	Slot	SLOT#19 MIRACLE 7-12 (2484'FSL & 2601'FEL)
Area	COLORADO	Well	MIRACLE 7-12
Field	LARIMER COUNTY	Wellbore	Miracle 7-12 AWB
Facility	SEC.12-T5N-R68W		

WELLPATH DATA (91 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
7964.00	0.500	232.600	7825.12	965.64	789.77	555.78	0.00	Projection to TD

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
MIRACLE 7-12 GEO TARGET 50' RADIUS (1981'FNL & 2043'FEL, REV-1)		6000.00	783.64	566.94	3152657.00	1394882.20	40°24'57.809"N	104°57'06.289"W	circle
MIRACLE 7-12 LEGAL BOX (201'S,199'N,217'E,183'W OF GEO TARGET)		6000.00	782.64	583.94	3152674.01	1394881.30	40°24'57.799"N	104°57'06.069"W	square

WELLPATH COMPOSITION

Start MD [ft]	End MD [ft]	Ref Wellbore: Miracle 7-12 AWB Positional Uncertainty Model	Ref Wellpath: Miracle 7-12 AWP Log Name/Comment	Wellbore
16.00	606.00	NaviTrak (Standard)	12 1/4" Surface Section	Miracle 7-12 AWB
606.00	7964.00	NaviTrak (Standard)	7 7/8" Production Section	Miracle 7-12 AWB