



KERR MCGEE



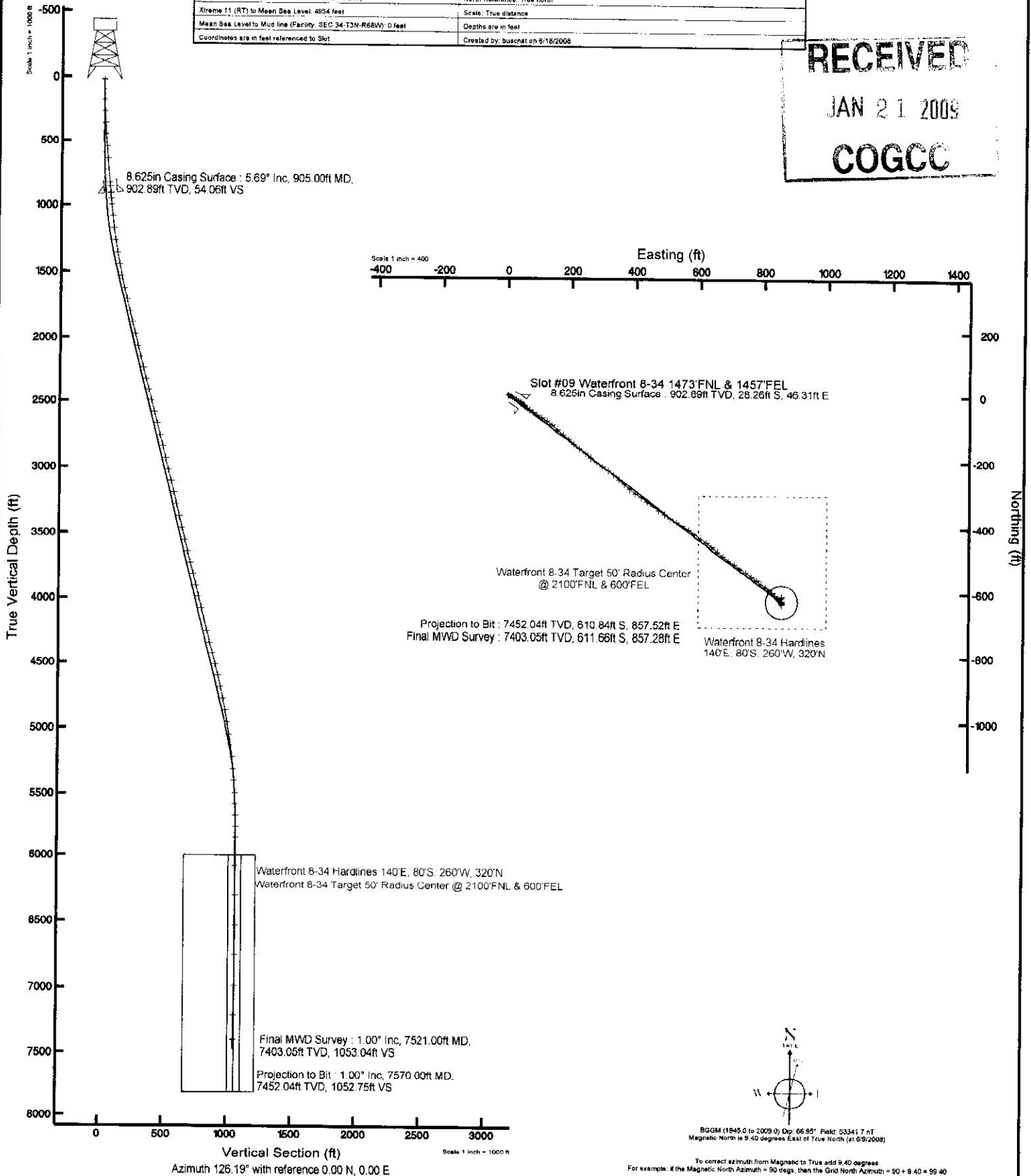
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BAKER HUGHES
INTEQ

Location: COLORADO Slot: Slot #09 Waterfront 8-34 1473'FNL & 1457'FEL
Field: WELD COUNTY (KERR MCGEE) Well: Waterfront 8-34
Facility: SEC.34-T3N-R68W Wellbore: Waterfront 8-34 PWB

Plot reference wellpath is Waterfront 8-34 PWP Rev A.0	
True vertical depths are referenced to Xtreme 11 (RT)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet
Measured depths are referenced to Xtreme 11 (RT)	North Reference: True north
Xtreme 11 (RT) to Mean Sea Level: 4854 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC 34-T3N-R68W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: buschat on 6/18/2008

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Actual Wellpath Report

Waterfront 8-34 AWP

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REPORTING/PROJECT IDENTIFICATION

Operator	KERR MCGEE	Slot	Slot #09 Waterfront 8-34 1473'FNL & 1457'FEL
Area	COLORADO	Well	Waterfront 8-34
Field	WELD COUNTY (KERR MCGEE)	Wellbore	Waterfront 8-34 AWB
Facility	SEC.34-T3N-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	Buscnat
Scale	0.999957	Report Generated	6/18/2008 at 10:43:21 AM
Convergence at slot	0.33° East	Database/Source file	WellArchitect_Denver/Waterfront_8-34_AWB.xml

COORDINATE INFORMATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	113.06	2545.37	3143933.08	1310882.18	40°11'08.232"N	104°59'05.388"W
Facility Reference Pt			3141388.52	1310754.59	40°11'07.116"N	104°59'38.184"W
Field Reference Pt			3197771.84	1268891.29	40°04'09.600"N	104°47'36.000"W

VERTICAL DATUM

Calculation method	Minimum curvature	Xtreme 11 (RT) to Facility Vertical Datum	4954.00ft
Horizontal Reference Pt	Slot	Xtreme 11 (RT) to Mean Sea Level	4954.00ft
Vertical Reference Pt	Xtreme 11 (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	Xtreme 11 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	126.19°



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REFERENCE WELL PATH IDENTIFICATION

Operator	KERR MCGEE	Slot	Slot #09 Waterfront 8-34 1473'FNL & 1457'FEL
Area	COLORADO	Well	Waterfront 8-34
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Facility	SEC.34-T3N-R68W		

WELLPATH DATA (76 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]
0.00†	0.000	95.900	0.00	0.00	0.00	0.00	0.00
15.00	0.000	95.900	15.00	0.00	0.00	0.00	0.00
176.00	1.300	95.900	175.99	1.58	-0.19	1.82	0.81
268.00	2.100	116.600	267.95	4.14	-1.05	4.36	1.08
361.00	3.300	125.400	360.84	8.50	-3.36	8.07	1.36
454.00	4.200	120.900	453.64	14.56	-6.66	13.17	1.02
547.00	4.800	118.400	546.35	21.81	-10.26	19.52	0.68
639.00	5.000	119.800	638.02	29.61	-14.09	26.38	0.25
731.00	5.400	124.700	729.64	37.92	-18.54	33.42	0.65
824.00	5.100	126.800	822.25	46.43	-23.51	40.33	0.38
860.00	5.400	127.900	858.10	49.72	-25.51	42.95	0.88
951.00	6.000	133.000	948.65	58.72	-31.38	49.80	0.86
997.00	6.500	128.000	994.38	63.71	-34.63	53.61	1.61
1087.00	6.100	127.000	1083.83	73.59	-40.64	61.45	0.46
1178.00	7.300	125.600	1174.21	84.20	-46.92	70.01	1.33
1268.00	9.000	123.100	1263.30	96.95	-54.09	80.56	1.93
1359.00	10.300	119.900	1353.01	112.15	-62.03	93.57	1.54
1450.00	10.800	121.600	1442.47	128.73	-70.55	107.89	0.65
1540.00	12.000	124.400	1530.69	146.49	-80.26	122.79	1.47
1631.00	14.100	127.700	1619.34	167.03	-92.38	139.37	2.45
1721.00	14.200	130.200	1706.61	189.00	-106.21	156.47	0.69
1812.00	14.800	130.900	1794.71	211.72	-121.03	173.78	0.69
1902.00	14.200	131.200	1881.84	234.17	-135.82	190.78	0.67
1993.00	14.200	131.300	1970.06	256.40	-150.54	207.56	0.03
2083.00	14.200	126.500	2057.32	278.44	-164.40	224.73	1.31
2174.00	14.100	126.400	2145.55	300.69	-177.61	242.62	0.11
2264.00	14.300	128.800	2232.81	322.75	-191.08	260.11	0.69
2354.00	14.400	123.800	2320.00	345.04	-204.27	278.07	1.38
2444.00	14.200	125.800	2407.21	367.26	-216.96	296.32	0.59
2534.00	14.300	127.100	2494.44	389.41	-230.12	314.14	0.37
2625.00	14.300	129.900	2582.63	411.86	-244.11	331.73	0.76
2716.00	14.300	130.600	2670.81	434.28	-258.63	348.88	0.19
2806.00	14.000	132.500	2758.08	456.18	-273.22	365.35	0.61
2896.00	14.400	129.800	2845.33	478.17	-287.74	381.97	0.86
2987.00	14.200	123.400	2933.51	500.62	-301.12	399.99	1.75
3077.00	14.200	122.900	3020.76	522.66	-313.20	418.47	0.14
3167.00	13.900	123.900	3108.07	544.49	-325.22	436.71	0.43
3258.00	14.100	126.500	3196.37	566.49	-337.91	454.69	0.73
3348.00	13.600	124.600	3283.75	588.03	-350.44	472.22	0.75
3439.00	13.900	120.900	3372.15	609.61	-362.13	490.40	1.02
3529.00	14.000	120.800	3459.49	631.21	-373.26	509.03	0.11
3620.00	14.100	119.100	3547.77	653.17	-384.28	528.17	0.47
3710.00	14.100	122.200	3635.06	674.99	-395.46	547.03	0.84
3801.00	14.600	122.200	3723.22	697.49	-407.48	566.11	0.55
3891.00	14.500	124.700	3810.33	720.07	-419.93	584.97	0.71



Actual Wellpath Report

Waterfront 8-34 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE	Slot	Slot #09 Waterfront 8-34 1473'FNL & 1457'FEL
Area	COLORADO	Well	Waterfront 8-34
Field	WELD COUNTY (KERR MCGEE)	Wellbore	Waterfront 8-34 AWP
Facility	SEC.34-T3N-R68W		

WELLPATH DATA (76 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]
3982.00	14.300	125.300	3898.47	742.69	-432.91	603.51	0.27
4072.00	14.200	125.500	3985.71	764.84	-445.75	621.57	0.12
4163.00	14.100	126.500	4073.94	787.09	-458.82	639.57	0.29
4253.00	13.800	127.900	4161.29	808.78	-471.94	656.85	0.50
4344.00	14.200	130.400	4249.59	830.76	-485.84	673.91	0.80
4434.00	14.300	126.900	4336.82	852.88	-499.67	691.21	0.96
4525.00	14.100	122.100	4425.04	875.18	-512.30	709.59	1.31
4615.00	14.100	124.900	4512.33	897.07	-524.40	727.86	0.76
4705.00	14.000	125.900	4599.64	918.92	-537.06	745.67	0.29
4796.00	13.600	125.500	4688.01	940.62	-549.73	763.30	0.45
4887.00	11.700	126.800	4776.80	960.55	-561.47	779.40	2.11
4978.00	10.400	127.300	4866.11	977.99	-571.97	793.32	1.43
5067.00	10.800	126.200	4953.59	994.36	-581.76	806.44	0.50
5158.00	8.700	130.700	5043.27	1009.75	-591.29	818.54	2.45
5248.00	7.500	130.100	5132.37	1022.40	-599.51	828.19	1.34
5339.00	7.000	135.500	5222.65	1033.79	-607.29	836.62	0.93
5429.00	4.900	138.600	5312.16	1042.96	-614.09	843.01	2.36
5519.00	4.200	142.700	5401.87	1049.87	-619.59	847.55	0.86
5609.00	3.500	138.800	5491.67	1055.71	-624.28	851.36	0.83
5699.00	2.800	138.100	5581.53	1060.55	-627.98	854.63	0.78
5789.00	1.900	159.600	5671.46	1063.94	-631.02	856.62	1.38
5879.00	0.800	163.000	5761.43	1065.69	-633.02	857.33	1.22
5970.00	0.400	197.700	5852.43	1066.30	-633.93	857.41	0.58
6196.00	0.100	338.100	6078.43	1066.38	-634.50	857.10	0.21
6422.00	0.100	243.900	6304.43	1066.12	-634.40	856.85	0.06
6648.00	0.400	359.400	6530.42	1065.56	-633.70	856.67	0.20
6874.00	0.400	7.800	6756.42	1064.71	-632.13	856.76	0.03
→ 7101.00	3.100	2.900	6983.29	1060.97	-625.21	857.18	1.19
7327.00	1.600	353.300	7209.10	1055.46	-615.97	857.12	0.68
7521.00	1.000	16.200	7403.05	1053.04	-611.66	857.28	0.40
7570.00	1.000	16.200	7452.04	1052.75	-610.84	857.52	0.00

HOLE & CASING SECTIONS Ref Wellbore: Waterfront 8-34 AWP Ref Wellpath: Waterfront 8-34 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]
8.625in Casing Surface	0.00	905.00	905.00	0.00	902.89	0.00	0.00	-28.26	46.31



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INTEQ

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TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
Waterfront 8-34 Hardlines 140'E, 80'S, 260'W, 320'N		6000.00	-627.00	857.00	3144793.67	1310260.19	40°11'02.036"N	104°58'54.346"W	polygon
Waterfront 8-34 Target 50' Radius Center @ 2100'FNL & 600'FEL		6000.00	-627.00	857.00	3144793.67	1310260.19	40°11'02.036"N	104°58'54.346"W	circle

WELLPATH COMPOSITION Ref Wellbore: Waterfront 8-34 AWB Ref Wellpath: Waterfront 8-34 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	7570.00	MTC (Collar, post-2000) (Standard)	BHI MWD (12-1/4) 176-7570	Waterfront 8-34 AWB