



KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO

Field: WELD COUNTY (KERR MCGEE)

Facility: SEC.14-T2N-R65W

Slot: SLOT#21 WEICHEL 9-14 (527'FSL & 521'FEL)

Well: WEICHEL 9-14

Wellbore: WEICHEL 9-14 PWB

Plot reference wellpath is WEICHEL 9-14 (REV-B.0) PWP

True vertical depths are referenced to XTREME 8 (RT)

Measured depths are referenced to XTREME 8

XTREME 8 (RT) to Mean Sea Level: 4894 feet

Mean Sea Level to Mud line (Facility: SEC.14-T2N-R65W): 0 feet

Coordinates are in feet referenced to Slot

6.4 Contour: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet

North Reference: True north

Scale: True distance

Depths are in feet

Created by: cookdanm on 1/12/2010



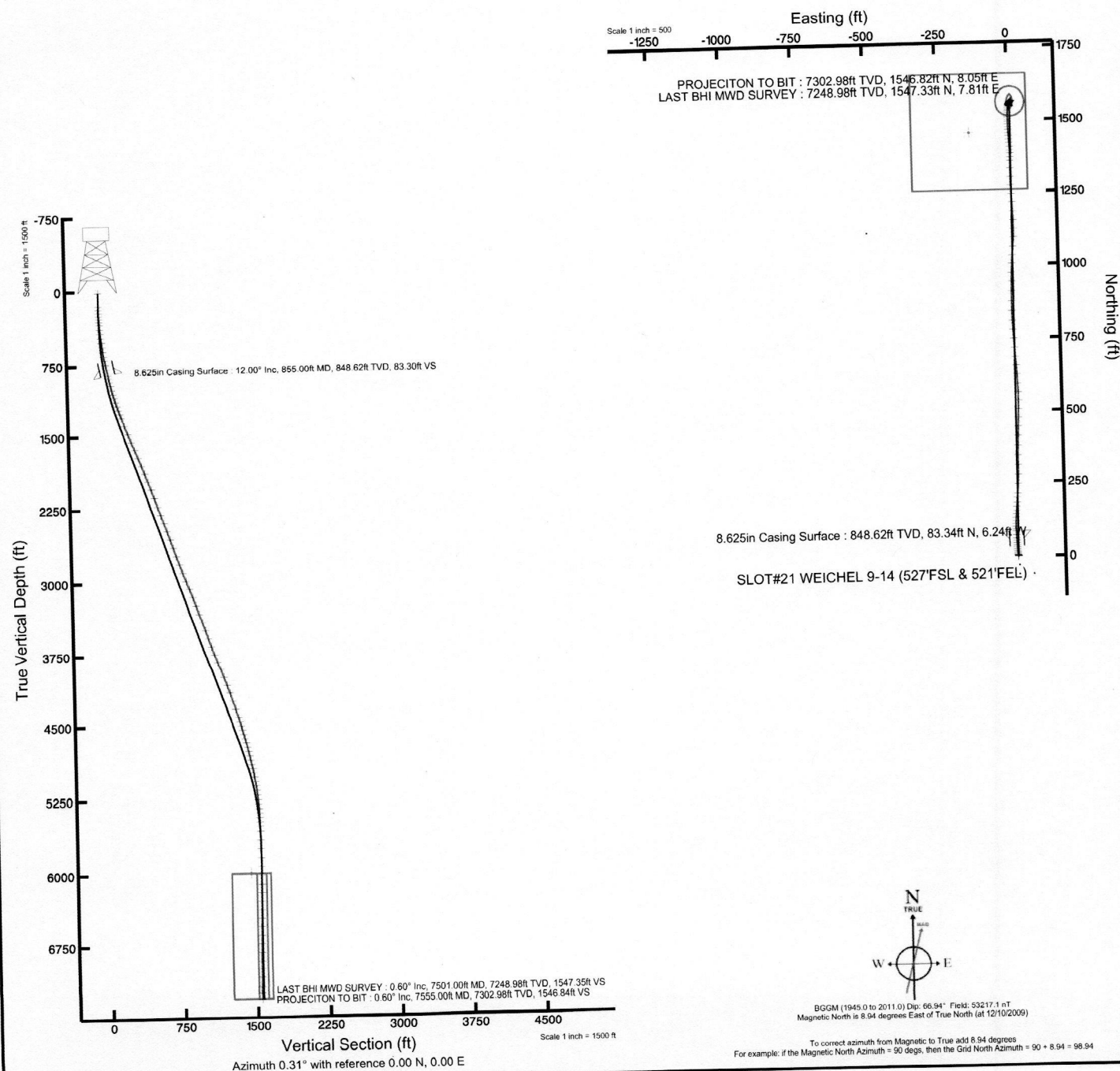
# BAKER HUGHES

## INTEO

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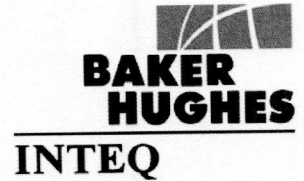




# Actual Wellpath Report

WEICHEL 9-14 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#21 WEICHEL 9-14 (527'FSL & 521'FEL)
Area	COLORADO	Well	WEICHEL 9-14
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WEICHEL 9-14 AWB
Facility	SEC.14-T2N-R65W		

## REPORT SETUP INFORMATION

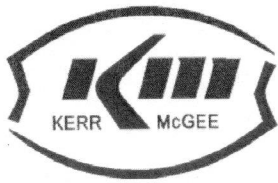
Projection System	NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet	Software System	WellArchitect® 2.0
North Reference	True	User	Cookdanm
Scale	0.999959	Report Generated	1/12/2010 at 9:59:34 AM
Convergence at slot	0.57° East	Database/Source file	Denver Server/WEICHEL_9-14_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-4145.53	2768.24	3245081.21	1292397.62	40°07'57.720"N	104°37'24.492"W
Facility Reference Pt			3242272.71	1296515.72	40°08'38.688"N	104°38'00.132"W
Field Reference Pt			3197771.84	1268891.29	40°04'09.600"N	104°47'36.000"W

## WELLPATH DATUM

Calculation method	Minimum curvature	XTREME 8 (RT) to Facility Vertical Datum	4894.00ft
Horizontal Reference Pt	Slot	XTREME 8 (RT) to Mean Sea Level	4894.00ft
Vertical Reference Pt	XTREME 8 (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 8 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	0.31°



# Actual Wellpath Report

WEICHEL 9-14 AWP

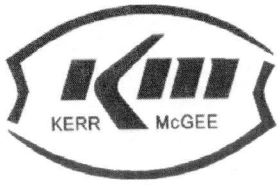
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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#21 WEICHEL 9-14 (527'FSL & 521'FEL)
Area	COLORADO	Well	WEICHEL 9-14
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WEICHEL 9-14 AWB
Facility	SEC.14-T2N-R65W		

WELLPATH DATA (113 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	333.800	0.00	0.00	0.00	0.00	0.00	
17.00	0.000	333.800	17.00	0.00	0.00	0.00	0.00	
149.00	0.600	333.800	149.00	0.62	0.62	-0.31	0.45	
180.00	0.900	342.600	179.99	1.00	1.00	-0.45	1.03	
211.00	1.100	342.600	210.99	1.51	1.51	-0.61	0.65	
243.00	1.600	349.300	242.98	2.24	2.25	-0.79	1.64	
274.00	2.500	351.000	273.96	3.33	3.34	-0.97	2.91	
305.00	3.000	351.700	304.93	4.80	4.81	-1.20	1.62	
336.00	3.600	352.400	335.87	6.57	6.58	-1.44	1.94	
383.00	4.600	352.100	382.75	9.90	9.91	-1.90	2.13	
427.00	5.700	353.100	426.57	13.81	13.82	-2.40	2.51	
472.00	6.500	353.500	471.32	18.56	18.57	-2.96	1.78	
517.00	7.600	355.200	515.98	24.05	24.07	-3.49	2.49	
562.00	8.000	357.700	560.56	30.14	30.16	-3.87	1.17	
605.00	8.900	357.700	603.09	36.45	36.48	-4.12	2.09	
651.00	9.700	357.700	648.49	43.88	43.90	-4.42	1.74	
696.00	10.400	357.300	692.80	51.72	51.75	-4.76	1.56	
741.00	11.000	357.300	737.02	60.07	60.10	-5.16	1.33	
792.00	12.000	357.000	786.99	70.22	70.25	-5.66	1.96	
884.00	12.000	358.400	876.98	89.33	89.36	-6.43	0.32	
929.00	12.400	359.500	920.97	98.83	98.87	-6.61	1.03	
973.00	12.700	0.500	963.91	108.39	108.43	-6.60	0.84	
1018.00	14.000	2.300	1007.70	118.78	118.82	-6.34	3.03	
1063.00	15.200	4.000	1051.24	130.11	130.14	-5.71	2.83	
1109.00	16.100	6.100	1095.54	142.47	142.50	-4.61	2.31	
1154.00	16.500	5.800	1138.73	155.04	155.06	-3.31	0.91	
1199.00	17.600	4.700	1181.75	168.18	168.20	-2.10	2.55	
1244.00	18.900	5.400	1224.49	182.23	182.24	-0.86	2.93	
1289.00	19.400	5.000	1267.00	196.94	196.94	0.48	1.15	
1333.00	19.900	5.400	1308.43	211.68	211.67	1.82	1.18	
1423.00	21.200	4.000	1392.71	243.18	243.16	4.40	1.54	
1513.00	21.800	1.900	1476.44	276.12	276.09	6.09	1.08	
1604.00	21.700	359.500	1560.97	309.83	309.80	6.50	0.98	
1694.00	22.300	0.200	1644.41	343.55	343.52	6.41	0.73	
1785.00	22.100	1.900	1728.67	377.92	377.89	7.04	0.74	
1874.00	21.600	1.900	1811.28	411.03	411.00	8.14	0.56	
1963.00	20.500	1.900	1894.33	442.99	442.95	9.20	1.24	
2053.00	20.300	3.300	1978.69	474.33	474.28	10.62	0.59	
2144.00	20.000	3.000	2064.12	505.64	505.58	12.34	0.35	
2234.00	19.600	359.500	2148.80	536.11	536.05	13.02	1.39	
2325.00	19.200	357.700	2234.64	566.32	566.26	12.28	0.79	
2415.00	19.900	358.700	2319.45	596.42	596.36	11.34	0.86	
2505.00	21.500	356.600	2403.64	628.19	628.14	10.02	1.96	
2592.00	20.600	356.600	2484.83	659.37	659.34	8.16	1.03	
2683.00	19.200	356.300	2570.39	690.27	690.25	6.25	1.54	





# Actual Wellpath Report

WEICHEL 9-14 AWP

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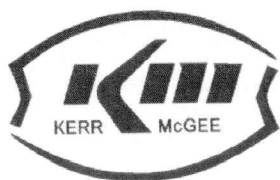


## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#21 WEICHEL 9-14 (527'FSL & 521'FEL)
Area	COLORADO	Well	WEICHEL 9-14
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WEICHEL 9-14 AWB
Facility	SEC.14-T2N-R65W		

## WELLPATH DATA (113 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2772.00	19.200	356.300	2654.44	719.47	719.46	4.36	0.00	
2860.00	19.500	356.300	2737.47	748.56	748.56	2.48	0.34	
2951.00	20.500	356.600	2822.98	779.61	779.62	0.55	1.10	
3041.00	21.200	357.700	2907.09	811.59	811.61	-1.03	0.89	
3130.00	21.500	359.500	2989.98	843.98	844.00	-1.82	0.81	
3220.00	21.500	0.900	3073.72	876.96	876.98	-1.71	0.57	
3310.00	20.600	1.600	3157.71	909.28	909.30	-1.01	1.04	
3401.00	20.700	1.600	3242.87	941.37	941.38	-0.11	0.11	
3490.00	20.000	0.900	3326.31	972.31	972.32	0.57	0.83	
3580.00	19.800	4.000	3410.94	1002.91	1002.92	1.87	1.19	
3669.00	19.400	5.400	3494.78	1032.68	1032.67	4.32	0.69	
3759.00	18.000	6.500	3580.03	1061.39	1061.37	7.30	1.60	
3849.00	19.600	3.700	3665.23	1090.29	1090.25	9.85	2.04	
3940.00	18.800	359.800	3751.17	1120.19	1120.15	10.78	1.66	
4027.00	20.500	359.800	3833.10	1149.44	1149.40	10.68	1.95	
4118.00	20.200	356.600	3918.42	1181.06	1181.02	9.69	1.27	
4208.00	20.000	357.000	4002.94	1211.93	1211.90	7.96	0.27	
4298.00	20.200	357.700	4087.46	1242.82	1242.80	6.53	0.35	
4385.00	20.200	356.600	4169.11	1272.81	1272.80	5.04	0.44	
4474.00	17.700	0.500	4253.28	1301.68	1301.68	4.25	3.15	
4565.00	18.500	0.500	4339.78	1329.95	1329.95	4.49	0.88	
4655.00	16.800	1.900	4425.54	1357.23	1357.22	5.05	1.95	
4701.00	16.500	359.800	4469.61	1370.41	1370.40	5.25	1.46	
4746.00	16.100	359.500	4512.80	1383.04	1383.03	5.17	0.91	
4791.00	15.300	359.100	4556.12	1395.21	1395.21	5.02	1.79	
4836.00	15.500	357.000	4599.51	1407.15	1407.15	4.61	1.32	
4882.00	16.000	356.300	4643.78	1419.61	1419.61	3.88	1.16	
4927.00	16.000	355.900	4687.04	1431.98	1431.99	3.04	0.25	
4973.00	14.300	356.300	4731.44	1443.97	1443.98	2.22	3.70	
5018.00	13.000	356.600	4775.16	1454.57	1454.58	1.56	2.89	
5063.00	13.200	357.000	4818.99	1464.75	1464.76	0.99	0.49	
5108.00	12.900	357.700	4862.83	1474.89	1474.91	0.52	0.75	
5154.00	11.800	359.100	4907.77	1484.73	1484.75	0.24	2.48	
5199.00	11.100	0.500	4951.87	1493.66	1493.68	0.21	1.67	
5244.00	10.600	1.900	4996.07	1502.13	1502.15	0.38	1.26	
5289.00	10.100	2.300	5040.33	1510.21	1510.23	0.68	1.12	
5334.00	9.200	1.200	5084.70	1517.75	1517.77	0.91	2.04	
5380.00	8.700	1.600	5130.14	1524.90	1524.92	1.09	1.10	
5425.00	8.300	1.600	5174.64	1531.55	1531.57	1.27	0.89	
5469.00	7.200	5.100	5218.24	1537.48	1537.49	1.61	2.72	
5514.00	6.300	4.000	5262.93	1542.75	1542.76	2.03	2.02	
5559.00	5.300	8.200	5307.70	1547.27	1547.28	2.50	2.41	
5604.00	4.000	13.500	5352.55	1550.86	1550.87	3.16	3.04	
5648.00	3.100	17.700	5396.46	1553.49	1553.49	3.88	2.13	
5691.00	2.600	27.600	5439.41	1555.47	1555.46	4.68	1.63	



# Actual Wellpath Report

WEICHEL 9-14 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#21 WEICHEL 9-14 (527'FSL & 521'FEL)
Area	COLORADO	Well	WEICHEL 9-14
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WEICHEL 9-14 AWB
Facility	SEC.14-T2N-R65W		

## WELLPATH DATA (113 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5736.00	2.600	39.200	5484.36	1557.17	1557.16	5.80	1.17	
5781.00	1.700	37.800	5529.33	1558.49	1558.48	6.86	2.00	
5827.00	1.300	61.000	5575.32	1559.29	1559.27	7.73	1.56	
5916.00	1.600	71.500	5664.29	1560.18	1560.15	9.79	0.45	
6006.00	0.700	7.500	5754.27	1561.13	1561.10	11.06	1.60	
6095.00	0.800	45.200	5843.26	1562.11	1562.07	11.57	0.55	
6186.00	1.900	37.800	5934.24	1563.76	1563.71	12.94	1.22	
6275.00	0.200	229.400	6023.22	1564.83	1564.78	13.73	2.36	
6365.00	1.100	225.200	6113.22	1564.11	1564.07	13.00	1.00	
6455.00	2.000	225.500	6203.18	1562.40	1562.36	11.26	1.00	
6542.00	1.400	202.700	6290.14	1560.34	1560.31	9.77	1.03	
6633.00	1.300	221.300	6381.12	1558.54	1558.51	8.66	0.49	
6722.00	1.600	222.300	6470.09	1556.85	1556.83	7.16	0.34	
6812.00	1.700	215.000	6560.05	1554.82	1554.81	5.55	0.26	
6901.00	0.700	207.200	6649.03	1553.25	1553.25	4.54	1.14	
6991.00	0.800	204.100	6739.03	1552.18	1552.18	4.03	0.12	
7082.00	0.600	152.000	6830.02	1551.18	1551.18	4.00	0.70	
7172.00	0.700	91.600	6920.01	1550.76	1550.75	4.77	0.73	
7263.00	0.700	124.600	7011.01	1550.43	1550.42	5.78	0.44	
7352.00	1.100	150.600	7100.00	1549.38	1549.37	6.65	0.63	
7442.00	0.900	149.200	7189.98	1548.03	1548.01	7.43	0.22	
7501.00	0.600	154.100	7248.98	1547.35	1547.33	7.81	0.52	LAST BHI MWD SURVEY
7555.00	0.600	154.100	7302.98	1546.84	1546.82	8.05	0.00	PROJECITON TO BIT

## HOLE & CASING SECTIONS Ref Wellbore: WEICHEL 9-14 AWB Ref Wellpath: WEICHEL 9-14 AWP

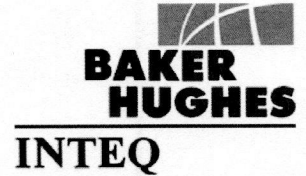
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
12.25in Open Hole	17.00	855.00	838.00	17.00	848.62	0.00	0.00	83.34	-6.24
8.625in Casing Surface	17.00	855.00	838.00	17.00	848.62	0.00	0.00	83.34	-6.24
7.875in Open Hole	855.00	7555.00	6700.00	848.62	7302.98	83.34	-6.24	1546.82	8.05



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WEICHEL 9-14 AWP

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Facility	SEC.14-T2N-R65W		

## TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
WEICHEL 9-14 GEO TARGET 50' RADIUS (2090'FSL & 520'FEL, REV-1)		6000.00	1562.83	8.39	3245074.15	1293960.39	40°08'13.164"N	104°37'24.384"W	circle
WEICHEL 9-14 LEGAL BOX (95'N,305'S,56'E,344'W FROM GEO TARGET)		6000.00	1457.83	-135.61	3244931.20	1293853.98	40°08'12.126"N	104°37'26.238"W	square

## WELLPATH COMPOSITION Ref Wellbore: WEICHEL 9-14 AWB Ref Wellpath: WEICHEL 9-14 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	792.00	MTC (Collar, post-2000) (Standard)	BHI MWD/MTC-POST-2000 12.25"HOLE <149-792>	WEICHEL 9-14 AWB
792.00	7501.00	MTC (Collar, post-2000) (Standard)	BHI MWD/MTC-POST-2000 7.875"HOLE <884-7501>	WEICHEL 9-14 AWB
7501.00	7555.00	Blind Drilling (std)	Projection to bit	WEICHEL 9-14 AWB

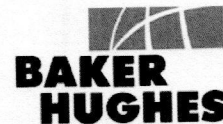




# Actual Wellpath Report

WEICHEL 9-14 AWP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

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Area	COLORADO	Well	WEICHEL 9-14
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WEICHEL 9-14 AWB
Facility	SEC.14-T2N-R65W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7501.00	0.600	154.100	7248.98	LAST BHI MWD SURVEY
7555.00	0.600	154.100	7302.98	PROJECITON TO BIT