

Actual Wellpath Report

PSC 33-2 AWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE	Slot	PSC 33-2
Area	COLORADO	Well	PSC 33-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PSC 33-2 AWB
Facility	SEC.2-T3N-R67W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet	Software System	WellArchitect™ 1.2
North Reference	True	User	WilkBarJ
Scale	0.999957	Report Generated	05/17/07 at 12:26:07
Wellbore last revised	05/17/07	Database/Source file	WellArchitect_Denve

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North [feet]	East [feet]	Easting [US feet]	Northing [US feet]	Latitude [°]	Longitude [°]
Slot Location	-2367.97	50.24	3177277.83	1335655.38	40 15 10.908N	104 51 53.460W
Facility Reference Pt			3177210.63	1338022.82	40 15 34.308N	104 51 54.108W
Field Reference Pt			3197771.84	1268891.29	40 04 09.600N	104 47 36.000W

WELLPATH DATUM

Calculation method	Minimum curvature	Ensign 5 (RT) to Facility Vertical Datum	4774.00 feet
Horizontal Reference Pt	Slot	Ensign 5 (RT) to Mean Sea Level	4774.00 feet
Vertical Reference Pt	Ensign 5 (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00 feet
MD Reference Pt	Ensign 5 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	220.73°



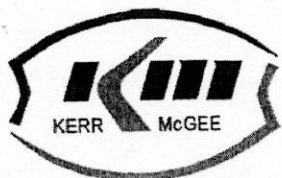
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WELLPATH DATA (72 stations) † = interpolated/extrapolated station							
MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
0.00†	0.000	0.000	0.00	0.00	0.00	0.00	0.00
14.00	0.000	0.000	14.00	0.00	0.00	0.00	0.00
863.00	0.900	298.400	862.97	1.42	3.17	-5.87	0.11
958.00	1.000	294.600	957.95	1.81	3.87	-7.28	0.12
1054.00	1.200	201.800	1053.94	3.00	3.29	-8.41	1.67
1149.00	2.000	187.700	1148.90	5.33	0.72	-9.00	0.93
1244.00	2.000	186.700	1243.85	8.09	-2.57	-9.42	0.04
1340.00	1.900	187.000	1339.79	10.80	-5.81	-9.81	0.10
1434.00	2.300	210.600	1433.73	13.96	-8.98	-10.96	1.00
1530.00	3.300	219.000	1529.61	18.61	-12.79	-13.68	1.12
1625.00	2.900	220.100	1624.47	23.75	-16.75	-16.95	0.43
1720.00	2.400	225.000	1719.37	28.14	-20.00	-19.90	0.58
1817.00	4.600	207.000	1816.19	33.94	-24.90	-23.10	2.51
1912.00	4.900	216.200	1910.86	41.69	-31.57	-27.23	0.86
2008.00	6.700	212.000	2006.37	51.31	-39.63	-32.62	1.93
2102.00	9.700	219.700	2099.40	64.65	-50.37	-40.58	3.39
2196.00	12.300	220.400	2191.66	82.58	-64.09	-52.13	2.77
2291.00	13.900	225.300	2284.19	104.08	-79.83	-66.80	2.05
2386.00	14.000	221.800	2376.39	126.94	-96.42	-82.57	0.89
2482.00	15.700	217.300	2469.18	151.52	-115.41	-98.19	2.14
2577.00	15.300	214.800	2560.73	176.82	-135.93	-113.13	0.82
2671.00	14.600	214.400	2651.55	200.93	-155.89	-126.90	0.75
2767.00	13.500	223.900	2744.69	224.15	-173.95	-141.51	2.66
2862.00	14.300	221.800	2836.90	246.95	-190.68	-157.02	1.00
2958.00	13.900	224.300	2930.01	270.31	-207.77	-172.97	0.76
3053.00	14.000	217.600	3022.22	293.18	-225.05	-187.96	1.70
3148.00	13.800	220.800	3114.44	315.98	-242.73	-202.37	0.84
3244.00	12.600	221.500	3207.90	337.90	-259.24	-216.79	1.26
3340.00	12.400	233.100	3301.64	358.45	-273.27	-231.97	2.62
3435.00	13.900	224.300	3394.15	379.80	-287.56	-248.10	2.63
3530.00	13.700	221.100	3486.41	402.44	-304.21	-263.47	0.83
3625.00	14.200	225.300	3578.61	425.30	-320.88	-279.15	1.19
3721.00	15.400	224.600	3671.43	449.76	-338.24	-296.47	1.26
3816.00	14.700	223.600	3763.17	474.38	-355.95	-313.64	0.79
3910.00	13.700	223.900	3854.29	497.41	-372.61	-329.58	1.07
4004.00	14.900	225.300	3945.38	520.57	-389.13	-345.89	1.33
4098.00	13.100	228.900	4036.59	543.17	-404.64	-362.51	2.13
4193.00	15.100	221.500	4128.73	566.20	-420.99	-378.82	2.83
4287.00	12.800	218.700	4219.95	588.85	-438.28	-393.45	2.55
4382.00	12.600	216.900	4312.63	609.71	-454.78	-406.25	0.47



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INTEQ

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Facility	SEC.2-T3N-R67W		

WELLPATH DATA (72 stations) † = interpolated/extrapolated station

MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]
4477.00	13.400	215.500	4405.19	631.01	-472.03	-418.86	0.90
4573.00	14.600	218.000	4498.34	654.17	-490.62	-432.77	1.40
4668.00	13.800	214.800	4590.44	677.40	-509.36	-446.61	1.18
4763.00	14.900	216.200	4682.47	700.85	-528.52	-460.29	1.21
4858.00	13.800	217.300	4774.51	724.34	-547.39	-474.37	1.19
4954.00	13.500	220.100	4867.79	746.97	-565.07	-488.53	0.76
5049.00	11.500	215.500	4960.54	767.49	-581.27	-501.17	2.35
5145.00	12.800	208.500	5054.39	787.42	-598.40	-511.81	2.04
5240.00	13.500	209.900	5146.90	808.59	-617.27	-522.35	0.81
5336.00	11.700	211.600	5240.59	829.21	-635.27	-533.04	1.91
5430.00	9.100	219.400	5333.04	846.06	-649.14	-542.76	3.14
5526.00	8.400	228.200	5427.92	860.60	-659.68	-552.80	1.57
5620.00	7.500	225.300	5521.02	873.52	-668.57	-562.28	1.05
5714.00	5.500	226.000	5614.41	884.12	-676.01	-569.88	2.13
5808.00	4.700	226.400	5708.04	892.44	-681.80	-575.91	0.85
5902.00	3.200	218.300	5801.81	898.90	-686.51	-580.33	1.70
5998.00	3.000	222.900	5897.67	904.08	-690.46	-583.70	0.33
6092.00	2.500	265.100	5991.57	908.01	-692.43	-587.42	2.16
6187.00	1.900	232.700	6086.51	911.03	-693.57	-590.73	1.43
6281.00	2.000	245.400	6180.45	914.04	-695.19	-593.46	0.47
6375.00	2.900	261.200	6274.37	917.34	-696.24	-597.31	1.19
6470.00	3.000	258.300	6369.24	921.14	-697.11	-602.11	0.19
6566.00	1.300	296.400	6465.17	923.40	-697.14	-605.55	2.22
6661.00	1.100	11.200	6560.16	922.88	-695.76	-606.34	1.54
6756.00	1.800	49.600	6655.13	920.61	-693.90	-605.03	1.22
6851.00	1.700	52.400	6750.09	917.76	-692.07	-602.77	0.14
6947.00	1.500	45.300	6846.05	915.11	-690.32	-600.75	0.29
7041.00	1.500	49.200	6940.02	912.67	-688.65	-598.95	0.11
7136.00	1.200	45.300	7034.99	910.44	-687.14	-597.30	0.33
7230.00	1.300	43.200	7128.97	908.40	-685.67	-595.87	0.12
7324.00	1.000	58.700	7222.95	906.55	-684.47	-594.44	0.46
7376.00†	1.000	58.700	7274.94	905.69	-684.00	-593.66	0.00

HOLE & CASING SECTIONS Ref Wellbore: PSC 33-2 AWB Ref Wellpath: PSC 33-2 AWP

String/Diameter	Start MD [feet]	End MD [feet]	Interval [feet]	Start TVD [feet]	End TVD [feet]	Start N/S [feet]	Start E/W [feet]	End N/S [feet]	End E/W [feet]
8.625in Casing Surface	14.00	722.00	708.00	14.00	721.98	0.00	0.00	2.21	-4.08
7.875in Open Hole	752.00	7376.00	6624.00	751.98	7274.94	2.40	-4.43	-684.00	-593.66



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Operator	KERR MCGEE	Slot	PSC 33-2
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TARGETS

Name	MD [feet]	TVD [feet]	North [feet]	East [feet]	Grid East [us survey feet]	Grid North [us survey feet]	Latitude [°]	Longitude [°]	Shape
Existing PSC 13-2		0.00	18.07	50.58	3177328.28	1335673.81	40 15 11.087N	104 51 52.808W	circle
PSC 33-2 Target		6500.00	-677.00	-583.00	3176699.72	1334974.25	40 15 04.218N	104 52 00.979W	circle

WELLPATH COMPOSITION Ref Wellbore: PSC 33-2 AWB Ref Wellpath: PSC 33-2 AWP

Start MD [feet]	End MD [feet]	Positional Uncertainty Model	Log Name/Comment	Wellbore
14.00	7324.00	NaviTrak (Standard)	Log #1 BHI MWD <863-7324>	PSC 33-2 AWB
7324.00	7376.00	Blind Drilling (std)	Projection to bit	PSC 33-2 AWB