





Actual Wellpath Report

PSC 13N-13HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#04 PSC 13N-13HZ (482'FSL & 446'FEL, SEC.13)
Area	COLORADO	Well	PSC 13N-13HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PSC 13N-13HZ AWB
Facility	SEC.13-T3N-R68W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 3.0.1
North Reference	True	User	Cookdanm
Scale	0.999957	Report Generated	8/23/2011 at 3:52:38 PM
Convergence at slot	0.36° East	Database/Source file	WellArchitectDB/PSC_13N-13HZ_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-64.76	-62.46	3155441.90	1323625.38	40°13'13.476"N	104°56'36.067"W
Facility Reference Pt			3155503.95	1323690.53	40°13'14.116"N	104°56'35.262"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 (RKB) to Facility Vertical Datum	4890.00ft
Horizontal Reference Pt	Slot	XTREME 8 (RKB) to Mean Sea Level	4890.00ft
Vertical Reference Pt	XTREME 8 (RKB)	XTREME 8 (RKB) to Mud Line at Slot (SLOT#04 PSC 13N-13HZ (482'FSL & 446'FEL, SEC.13))	4890.00ft
MD Reference Pt	XTREME 8 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	269.64°



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Field	WELD COUNTY (KERR MCGEE)	Wellbore	PSC 13N-13HZ AWP
Facility	SEC.13-T3N-R68W		

WELLPATH DATA (159 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
850.00	2.000	325.800	849.87	8.29	10.97	-8.36	40°13'13.584"N	104°56'36.175"W	0.00	TIED INTO GYRO SURVEYS
920.00†	1.938	328.186	919.83	9.59	12.99	-9.67	40°13'13.604"N	104°56'36.192"W	0.15	9.625" SURFACE CASING
965.00	1.900	329.800	964.80	10.36	14.28	-10.45	40°13'13.617"N	104°56'36.202"W	0.15	
996.00	2.100	329.200	995.78	10.90	15.21	-11.00	40°13'13.626"N	104°56'36.209"W	0.65	
1027.00	1.600	337.700	1026.77	11.35	16.10	-11.45	40°13'13.635"N	104°56'36.215"W	1.84	
1058.00	1.300	340.000	1057.76	11.49	16.85	-11.59	40°13'13.643"N	104°56'36.217"W	2.28	
1087.00	1.800	51.800	1086.75	11.11	17.46	-11.22	40°13'13.649"N	104°56'36.212"W	4.66	
1117.00	3.000	66.300	1116.72	10.01	18.07	-10.13	40°13'13.655"N	104°56'36.198"W	4.45	
1148.00	4.100	66.100	1147.66	8.25	18.84	-8.37	40°13'13.662"N	104°56'36.175"W	3.55	
1179.00	4.700	71.900	1178.57	6.03	19.68	-6.15	40°13'13.671"N	104°56'36.147"W	2.41	
1210.00	5.700	71.800	1209.44	3.35	20.56	-3.48	40°13'13.679"N	104°56'36.112"W	3.23	
1241.00	6.600	74.100	1240.26	0.17	21.53	-0.31	40°13'13.689"N	104°56'36.071"W	3.01	
1271.00	7.400	79.400	1270.04	-3.39	22.36	3.25	40°13'13.697"N	104°56'36.025"W	3.42	
1302.00	8.400	82.900	1300.75	-7.60	23.00	7.46	40°13'13.703"N	104°56'35.971"W	3.58	
1332.00	9.600	86.300	1330.38	-12.28	23.44	12.13	40°13'13.708"N	104°56'35.911"W	4.37	
1363.00	10.200	85.500	1360.92	-17.60	23.82	17.45	40°13'13.711"N	104°56'35.842"W	1.99	
1394.00	11.200	89.400	1391.38	-23.34	24.07	23.19	40°13'13.714"N	104°56'35.768"W	3.98	
1425.00	11.900	90.600	1421.75	-29.55	24.06	29.40	40°13'13.714"N	104°56'35.688"W	2.39	
1514.00	13.800	91.400	1508.52	-49.34	23.71	49.19	40°13'13.710"N	104°56'35.433"W	2.14	
1602.00	14.100	92.400	1593.92	-70.53	23.00	70.39	40°13'13.703"N	104°56'35.160"W	0.44	
1690.00	14.500	91.900	1679.19	-92.25	22.19	92.11	40°13'13.695"N	104°56'34.880"W	0.48	
1778.00	14.200	89.800	1764.45	-114.05	21.86	113.92	40°13'13.692"N	104°56'34.599"W	0.68	
1867.00	14.000	90.600	1850.77	-135.73	21.79	135.60	40°13'13.691"N	104°56'34.319"W	0.31	
1956.00	14.100	87.300	1937.11	-157.33	22.18	157.19	40°13'13.695"N	104°56'34.041"W	0.91	
2044.00	14.100	85.600	2022.45	-178.73	23.51	178.59	40°13'13.708"N	104°56'33.765"W	0.47	
2132.00	13.900	86.200	2107.84	-199.97	25.03	199.82	40°13'13.723"N	104°56'33.491"W	0.28	
2220.00	13.400	85.700	2193.36	-220.70	26.50	220.54	40°13'13.738"N	104°56'33.224"W	0.58	
2306.00	13.500	83.700	2277.00	-240.62	28.35	240.45	40°13'13.756"N	104°56'32.968"W	0.55	
2394.00	12.900	83.800	2362.67	-260.61	30.54	260.43	40°13'13.778"N	104°56'32.710"W	0.68	
2484.00	12.700	84.200	2450.43	-280.45	32.62	280.26	40°13'13.798"N	104°56'32.454"W	0.24	
2572.00	12.400	85.100	2536.33	-299.50	34.41	299.29	40°13'13.816"N	104°56'32.209"W	0.41	
2661.00	11.400	83.500	2623.42	-317.77	36.22	317.55	40°13'13.834"N	104°56'31.974"W	1.18	
2704.00	10.400	83.100	2665.64	-325.86	37.16	325.63	40°13'13.843"N	104°56'31.869"W	2.33	
2748.00	10.100	81.500	2708.94	-333.62	38.21	333.39	40°13'13.854"N	104°56'31.769"W	0.94	
2792.00	9.500	79.200	2752.30	-341.01	39.46	340.77	40°13'13.866"N	104°56'31.674"W	1.63	
2836.00	9.900	83.200	2795.67	-348.34	40.59	348.09	40°13'13.877"N	104°56'31.580"W	1.78	
2880.00	10.900	82.600	2838.95	-356.23	41.57	355.97	40°13'13.887"N	104°56'31.478"W	2.29	
2925.00	11.500	83.600	2883.09	-364.91	42.62	364.65	40°13'13.897"N	104°56'31.366"W	1.40	
2970.00	10.400	88.500	2927.27	-373.43	43.23	373.17	40°13'13.903"N	104°56'31.257"W	3.20	
3015.00	9.200	97.400	2971.61	-381.06	42.87	380.80	40°13'13.900"N	104°56'31.158"W	4.29	
3059.00	8.900	92.100	3015.07	-387.95	42.29	387.69	40°13'13.894"N	104°56'31.069"W	2.01	
3103.00	7.400	91.800	3058.62	-394.18	42.08	393.92	40°13'13.892"N	104°56'30.989"W	3.41	
3147.00	5.600	87.000	3102.34	-399.15	42.10	398.90	40°13'13.892"N	104°56'30.925"W	4.27	
3191.00	3.800	90.900	3146.19	-402.76	42.19	402.50	40°13'13.893"N	104°56'30.878"W	4.15	
3235.00	2.900	103.700	3190.11	-405.29	41.91	405.04	40°13'13.890"N	104°56'30.846"W	2.65	



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Area	COLORADO	Well	PSC 13N-13HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PSC 13N-13HZ AWP
Facility	SEC.13-T3N-R68W		

WELLPATH DATA (159 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
3279.00	2.700	127.500	3234.06	-407.19	41.01	406.94	40°13'13.881"N	104°56'30.821"W	2.66	
3323.00	2.200	152.400	3278.02	-408.40	39.63	408.16	40°13'13.868"N	104°56'30.806"W	2.64	
3367.00	2.000	168.700	3321.99	-408.93	38.13	408.70	40°13'13.853"N	104°56'30.799"W	1.43	
3411.00	1.700	188.600	3365.97	-408.97	36.73	408.75	40°13'13.839"N	104°56'30.798"W	1.60	
3456.00	1.700	204.100	3410.95	-408.59	35.46	408.38	40°13'13.826"N	104°56'30.803"W	1.02	
3545.00	2.400	252.500	3499.90	-406.27	33.70	406.06	40°13'13.809"N	104°56'30.833"W	2.02	
3632.00	2.100	279.800	3586.84	-402.96	33.42	402.75	40°13'13.806"N	104°56'30.875"W	1.27	
3722.00	2.200	312.000	3676.78	-400.06	34.86	399.85	40°13'13.820"N	104°56'30.913"W	1.33	
3811.00	1.900	333.700	3765.72	-398.15	37.32	397.92	40°13'13.845"N	104°56'30.937"W	0.93	
3898.00	1.000	6.600	3852.69	-397.61	39.37	397.37	40°13'13.865"N	104°56'30.945"W	1.37	
3986.00	1.200	0.200	3940.68	-397.71	41.06	397.46	40°13'13.882"N	104°56'30.943"W	0.27	
4074.00	0.700	53.400	4028.67	-398.15	42.30	397.90	40°13'13.894"N	104°56'30.938"W	1.09	
4162.00	0.700	36.600	4116.66	-398.91	43.05	398.65	40°13'13.901"N	104°56'30.928"W	0.23	
4248.00	0.700	17.800	4202.65	-399.39	43.97	399.12	40°13'13.910"N	104°56'30.922"W	0.27	
4336.00	0.600	343.800	4290.65	-399.43	44.93	399.16	40°13'13.920"N	104°56'30.922"W	0.45	
4424.00	0.600	354.900	4378.64	-399.27	45.83	398.99	40°13'13.929"N	104°56'30.924"W	0.13	
4512.00	0.500	1.300	4466.64	-399.24	46.67	398.96	40°13'13.937"N	104°56'30.924"W	0.13	
4600.00	0.600	12.800	4554.63	-399.36	47.50	399.07	40°13'13.945"N	104°56'30.923"W	0.17	
4688.00	0.700	6.000	4642.63	-399.52	48.49	399.23	40°13'13.955"N	104°56'30.921"W	0.14	
4776.00	0.600	359.100	4730.62	-399.58	49.48	399.28	40°13'13.965"N	104°56'30.920"W	0.14	
4863.00	0.600	358.700	4817.62	-399.56	50.39	399.26	40°13'13.974"N	104°56'30.920"W	0.00	
4951.00	0.600	354.900	4905.61	-399.52	51.31	399.21	40°13'13.983"N	104°56'30.921"W	0.05	
5040.00	0.500	8.800	4994.61	-399.54	52.16	399.22	40°13'13.991"N	104°56'30.921"W	0.19	
5128.00	0.600	116.100	5082.61	-400.02	52.34	399.70	40°13'13.993"N	104°56'30.915"W	1.01	
5216.00	0.700	153.700	5170.60	-400.66	51.65	400.35	40°13'13.986"N	104°56'30.906"W	0.49	
5304.00	0.500	164.000	5258.60	-401.00	50.80	400.69	40°13'13.978"N	104°56'30.902"W	0.26	
5391.00	0.600	173.500	5345.59	-401.15	49.98	400.85	40°13'13.970"N	104°56'30.900"W	0.16	
5480.00	0.500	185.400	5434.59	-401.16	49.14	400.87	40°13'13.962"N	104°56'30.900"W	0.17	
5568.00	0.300	147.300	5522.59	-401.25	48.56	400.95	40°13'13.956"N	104°56'30.898"W	0.37	
5656.00	0.600	115.600	5610.58	-401.79	48.17	401.49	40°13'13.952"N	104°56'30.891"W	0.43	
5744.00	0.500	110.600	5698.58	-402.56	47.83	402.27	40°13'13.949"N	104°56'30.881"W	0.13	
5835.00	0.700	124.100	5789.58	-403.39	47.38	403.10	40°13'13.944"N	104°56'30.871"W	0.27	
5923.00	0.500	114.700	5877.57	-404.18	46.92	403.89	40°13'13.940"N	104°56'30.861"W	0.25	
6013.00	0.500	129.500	5967.57	-404.84	46.51	404.55	40°13'13.936"N	104°56'30.852"W	0.14	
6101.00	0.400	112.200	6055.56	-405.42	46.14	405.13	40°13'13.932"N	104°56'30.845"W	0.19	
6189.00	0.700	106.100	6143.56	-406.21	45.88	405.94	40°13'13.929"N	104°56'30.834"W	0.35	
6277.00	0.700	113.900	6231.55	-407.22	45.51	406.94	40°13'13.926"N	104°56'30.821"W	0.11	
6364.00	0.800	121.300	6318.55	-408.22	44.98	407.95	40°13'13.920"N	104°56'30.808"W	0.16	
6408.00	1.200	291.700	6362.54	-408.06	44.99	407.78	40°13'13.921"N	104°56'30.810"W	4.53	
6452.00	5.200	265.500	6406.47	-405.64	45.01	405.37	40°13'13.921"N	104°56'30.842"W	9.45	
6496.00	10.000	267.900	6450.07	-399.83	44.71	399.56	40°13'13.918"N	104°56'30.916"W	10.93	
6540.00	14.500	266.800	6493.06	-390.50	44.26	390.23	40°13'13.913"N	104°56'31.037"W	10.24	
6584.00	18.600	266.800	6535.22	-377.99	43.56	377.72	40°13'13.906"N	104°56'31.198"W	9.32	
6627.00	22.400	268.300	6575.49	-362.94	42.94	362.68	40°13'13.900"N	104°56'31.392"W	8.92	
6672.00	25.900	267.200	6616.55	-344.55	42.20	344.29	40°13'13.893"N	104°56'31.629"W	7.84	



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6717.00	29.600	268.000	6656.37	-323.61	41.33	323.36	40°13'13.884"N	104°56'31.899"W	8.26	
6760.00	34.300	266.700	6692.84	-300.88	40.27	300.64	40°13'13.874"N	104°56'32.192"W	11.05	
6803.00	38.600	266.400	6727.42	-275.38	38.72	275.14	40°13'13.859"N	104°56'32.520"W	10.01	
6847.00	43.700	266.600	6760.54	-246.48	36.96	246.25	40°13'13.841"N	104°56'32.893"W	11.59	
6891.00	48.700	267.100	6790.99	-214.77	35.22	214.55	40°13'13.824"N	104°56'33.301"W	11.39	
6935.00	52.400	271.800	6818.95	-180.82	34.93	180.60	40°13'13.821"N	104°56'33.739"W	11.78	
6978.00	55.900	272.000	6844.13	-145.99	36.09	145.77	40°13'13.833"N	104°56'34.188"W	8.15	
7021.00	60.500	274.100	6866.78	-109.53	38.05	109.29	40°13'13.852"N	104°56'34.658"W	11.47	
7064.00	65.800	273.700	6886.20	-71.28	40.66	71.03	40°13'13.878"N	104°56'35.152"W	12.35	
7108.00	70.300	274.900	6902.64	-30.62	43.72	30.35	40°13'13.908"N	104°56'35.676"W	10.54	
7152.00	74.500	275.900	6915.94	11.10	47.67	-11.40	40°13'13.947"N	104°56'36.214"W	9.79	
7196.00	75.600	276.000	6927.29	53.35	52.08	-53.68	40°13'13.991"N	104°56'36.759"W	2.51	
7239.00	76.100	275.800	6937.81	94.80	56.36	-95.15	40°13'14.033"N	104°56'37.294"W	1.25	
7284.00	76.200	275.300	6948.58	138.26	60.59	-138.64	40°13'14.075"N	104°56'37.854"W	1.10	
7328.00	76.400	275.000	6959.00	180.81	64.43	-181.22	40°13'14.113"N	104°56'38.403"W	0.80	
7372.00	76.400	273.000	6969.35	223.45	67.41	-223.87	40°13'14.142"N	104°56'38.953"W	4.42	
7417.00	76.600	272.400	6979.85	267.14	69.47	-267.58	40°13'14.162"N	104°56'39.517"W	1.37	
7461.00	78.900	270.600	6989.19	310.11	70.59	-310.56	40°13'14.174"N	104°56'40.071"W	6.58	
7506.00	82.600	268.300	6996.42	354.52	70.16	-354.96	40°13'14.169"N	104°56'40.643"W	9.65	
7550.00	85.200	267.400	7001.10	398.24	68.52	-398.68	40°13'14.153"N	104°56'41.207"W	6.25	
7594.00	88.200	266.500	7003.63	442.12	66.18	-442.54	40°13'14.130"N	104°56'41.772"W	7.12	
7610.00	88.300	266.200	7004.12	458.08	65.16	-458.50	40°13'14.120"N	104°56'41.978"W	1.98	
7663.00†	89.330	264.801	7005.21	510.93	61.01	-511.32	40°13'14.079"N	104°56'42.659"W	3.28	7" INTERMEDIATE CASING
7682.00	89.700	264.300	7005.37	529.85	59.20	-530.24	40°13'14.061"N	104°56'42.903"W	3.28	
7772.00	88.600	265.800	7006.71	619.55	51.44	-619.89	40°13'13.984"N	104°56'44.058"W	2.07	
7861.00	87.700	267.800	7009.58	708.39	46.47	-708.70	40°13'13.935"N	104°56'45.203"W	2.46	
7951.00	87.300	269.700	7013.51	798.29	44.51	-798.58	40°13'13.916"N	104°56'46.362"W	2.16	
8039.00	88.500	269.300	7016.73	886.23	43.74	-886.52	40°13'13.908"N	104°56'47.496"W	1.44	
8127.00	85.900	268.500	7021.03	974.11	42.06	-974.39	40°13'13.891"N	104°56'48.628"W	3.09	
8214.00	86.500	267.300	7026.80	1060.87	38.88	-1061.14	40°13'13.860"N	104°56'49.747"W	1.54	
8300.00	88.300	267.800	7030.70	1146.73	35.20	-1146.97	40°13'13.824"N	104°56'50.853"W	2.17	
8388.00	86.900	269.000	7034.38	1234.62	32.75	-1234.85	40°13'13.799"N	104°56'51.986"W	2.09	
8476.00	88.300	269.400	7038.07	1322.54	31.52	-1322.76	40°13'13.787"N	104°56'53.119"W	1.65	
8563.00	90.200	271.100	7039.21	1409.52	31.90	-1409.75	40°13'13.791"N	104°56'54.241"W	2.93	
8652.00	89.900	270.900	7039.13	1498.50	33.45	-1498.73	40°13'13.806"N	104°56'55.388"W	0.41	
8740.00	92.500	270.800	7037.29	1586.45	34.76	-1586.70	40°13'13.819"N	104°56'56.522"W	2.96	
8827.00	93.000	270.800	7033.11	1673.33	35.97	-1673.59	40°13'13.831"N	104°56'57.642"W	0.57	
8913.00	90.200	269.000	7030.71	1759.29	35.82	-1759.54	40°13'13.829"N	104°56'58.750"W	3.87	
9001.00	90.200	267.700	7030.41	1847.26	33.29	-1847.50	40°13'13.804"N	104°56'59.884"W	1.48	
9089.00	89.400	268.800	7030.71	1935.23	30.60	-1935.46	40°13'13.778"N	104°57'01.018"W	1.55	
9176.00	88.100	268.800	7032.61	2022.20	28.78	-2022.42	40°13'13.760"N	104°57'02.139"W	1.49	
9264.00	88.700	269.500	7035.07	2110.16	27.47	-2110.37	40°13'13.747"N	104°57'03.272"W	1.05	
9353.00	89.700	270.000	7036.31	2199.15	27.09	-2199.36	40°13'13.743"N	104°57'04.420"W	1.26	
9440.00	90.400	270.600	7036.23	2286.14	27.54	-2286.36	40°13'13.747"N	104°57'05.541"W	1.06	
9528.00	88.500	269.300	7037.08	2374.13	27.47	-2374.35	40°13'13.746"N	104°57'06.675"W	2.62	



Actual Wellpath Report

PSC 13N-13HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#04 PSC 13N-13HZ (482'FSL & 446'FEL, SEC.13)
Area	COLORADO	Well	PSC 13N-13HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PSC 13N-13HZ AWB
Facility	SEC.13-T3N-R68W		

WELLPATH DATA (159 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
9615.00	89.300	269.500	7038.75	2461.12	26.55	-2461.33	40°13'13.737"N	104°57'07.797"W	0.95	
9704.00	89.000	269.600	7040.07	2550.11	25.86	-2550.32	40°13'13.730"N	104°57'08.944"W	0.36	
9792.00	88.900	269.600	7041.68	2638.09	25.24	-2638.30	40°13'13.724"N	104°57'10.078"W	0.11	
9878.00	90.100	269.700	7042.43	2724.09	24.72	-2724.29	40°13'13.719"N	104°57'11.187"W	1.40	
9967.00	91.600	269.800	7041.11	2813.07	24.33	-2813.28	40°13'13.715"N	104°57'12.334"W	1.69	
10054.00	92.700	269.300	7037.85	2900.01	23.64	-2900.22	40°13'13.708"N	104°57'13.454"W	1.39	
10141.00	89.700	269.800	7036.03	2986.98	22.96	-2987.18	40°13'13.701"N	104°57'14.576"W	3.50	
10227.00	88.900	269.200	7037.08	3072.97	22.21	-3073.17	40°13'13.694"N	104°57'15.684"W	1.16	
10315.00	89.800	268.800	7038.08	3160.96	20.68	-3161.15	40°13'13.678"N	104°57'16.818"W	1.12	
10403.00	88.400	268.900	7039.46	3248.94	18.91	-3249.12	40°13'13.661"N	104°57'17.952"W	1.59	
10493.00	88.000	268.300	7042.28	3338.88	16.71	-3339.05	40°13'13.639"N	104°57'19.112"W	0.80	
10581.00	88.800	268.400	7044.74	3426.82	14.18	-3426.98	40°13'13.614"N	104°57'20.245"W	0.92	
10671.00	90.200	267.900	7045.53	3516.79	11.27	-3516.93	40°13'13.585"N	104°57'21.405"W	1.65	
10759.00	90.700	267.800	7044.84	3604.74	7.97	-3604.86	40°13'13.552"N	104°57'22.538"W	0.58	
10847.00	89.200	267.800	7044.91	3692.69	4.59	-3692.79	40°13'13.519"N	104°57'23.672"W	1.70	
10935.00	87.900	267.800	7047.14	3780.62	1.22	-3780.70	40°13'13.485"N	104°57'24.805"W	1.48	
11023.00	89.100	269.800	7049.44	3868.57	-0.62	-3868.64	40°13'13.467"N	104°57'25.939"W	2.65	
11112.00	90.300	270.100	7049.91	3957.57	-0.70	-3957.64	40°13'13.466"N	104°57'27.086"W	1.39	
11200.00	91.900	270.100	7048.22	4045.54	-0.55	-4045.62	40°13'13.467"N	104°57'28.220"W	1.82	
11286.00	92.200	269.600	7045.14	4131.49	-0.77	-4131.56	40°13'13.465"N	104°57'29.328"W	0.68	
11374.00	90.600	269.800	7042.99	4219.46	-1.23	-4219.53	40°13'13.460"N	104°57'30.462"W	1.83	
11462.00	88.600	269.200	7043.61	4307.45	-2.00	-4307.52	40°13'13.453"N	104°57'31.596"W	2.37	
11506.00	88.300	269.100	7044.80	4351.43	-2.65	-4351.50	40°13'13.446"N	104°57'32.163"W	0.72	LAST BHI MWD SURVEYS
11575.00	88.300	269.100	7046.85	4420.40	-3.74	-4420.46	40°13'13.435"N	104°57'33.052"W	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS - Ref Wellbore: PSC 13N-13HZ AWB Ref Wellpath: PSC 13N-13HZ 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]
9.625in Casing Surface	17.00	920.00	903.00	17.00	919.83	10.97	-8.36	12.99	-9.67
8.75in Open Hole	920.00	7667.00	6747.00	919.83	7005.26	12.99	-9.67	60.64	-515.30
7in Casing Intermediate	17.00	7663.00	7646.00	17.00	7005.21	10.97	-8.36	61.01	-511.32
6.125in Open Hole	7667.00	11575.00	3908.00	7005.26	7046.85	60.64	-515.30	-3.74	-4420.46



Actual Wellpath Report

PSC 13N-13HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#04 PSC 13N-13HZ (482'FSL & 446'FEL, SEC.13)
Area	COLORADO	Well	PSC 13N-13HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PSC 13N-13HZ AWB
Facility	SEC.13-T3N-R68W		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
PSC PAD SEC. 13 SECTION LINES		2.00	64.85	62.55	3155504.04	1323690.61	40°13'14.117"N	104°56'35.261"W	polygon
PSC 13N-13HZ BHL ON PLAT (510'FSL & 460'FWL, REV-1)		7042.00	-27.64	-4426.27	3151016.09	1323569.96	40°13'13.199"N	104°57'33.127"W	point
PSC 13N-13HZ BHL ON PLAT (510'FSL & 460'FWL, REV-2)		7049.00	-27.66	-4426.29	3151016.07	1323569.94	40°13'13.199"N	104°57'33.127"W	point
PSC PAD SEC. 13 HARDLINE (460' SETBACK)		7249.00	64.85	62.55	3155504.04	1323690.61	40°13'14.117"N	104°56'35.261"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: PSC 13N-13HZ AWB Ref Wellpath: PSC 13N-13HZ AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
850.00	11506.00	NaviTrak (Standard)	BHI MWD SURVEYS <40-11506>	PSC 13N-13HZ AWB
11506.00	11575.00	Blind Drilling (std)	Projection to bit	PSC 13N-13HZ AWB



Actual Wellpath Report

PSC 13N-13HZ AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	ANADARKO E&P COMPANY LP	Slot	SLOT#04 PSC 13N-13HZ (482'FSL & 446'FEL, SEC.13)
Area	COLORADO	Well	PSC 13N-13HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PSC 13N-13HZ AWB
Facility	SEC.13-T3N-R68W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
850.00	2.000	325.800	849.87	TIED INTO GYRO SURVEYS
920.00	1.938	328.186	919.83	9.625" SURFACE CASING
7663.00	89.330	264.801	7005.21	7" INTERMEDIATE CASING
11506.00	88.300	269.100	7044.80	LAST BHI MWD SURVEYS
11575.00	88.300	269.100	7046.85	PROJECTION TO BIT