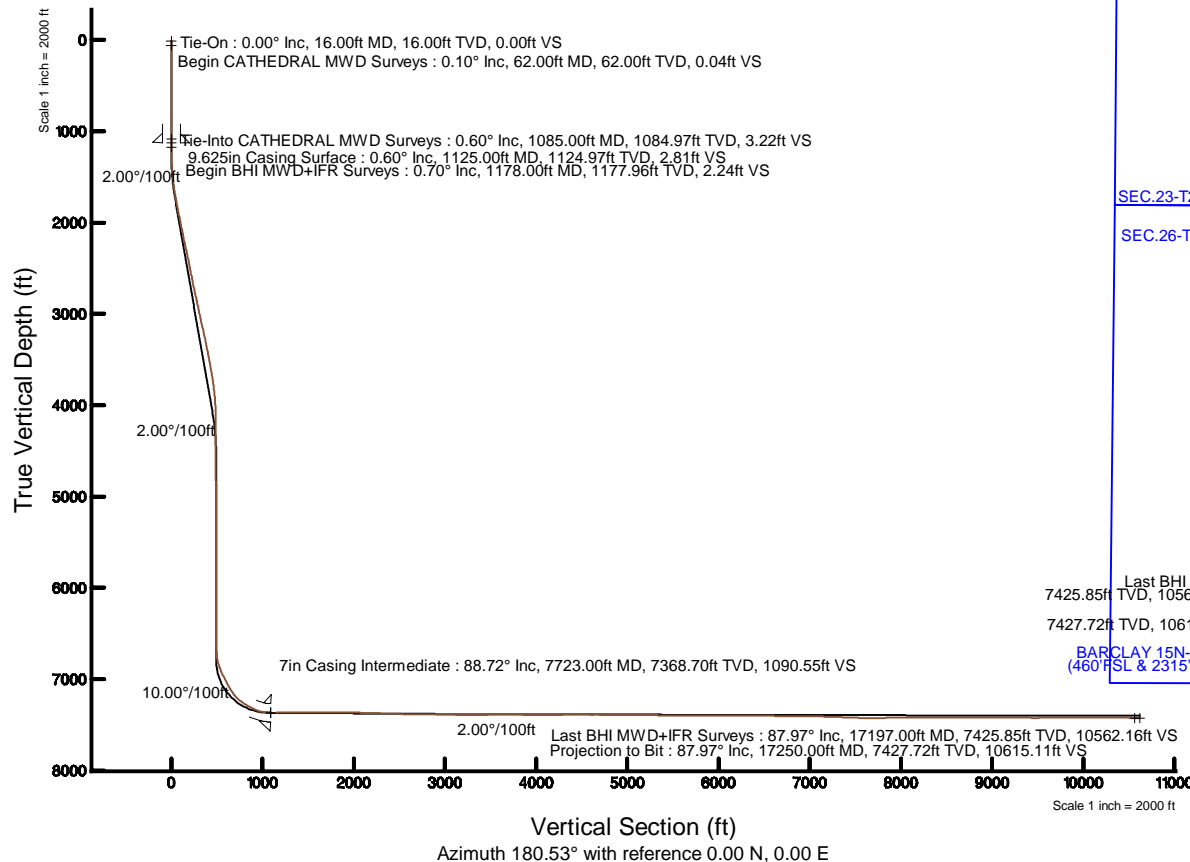
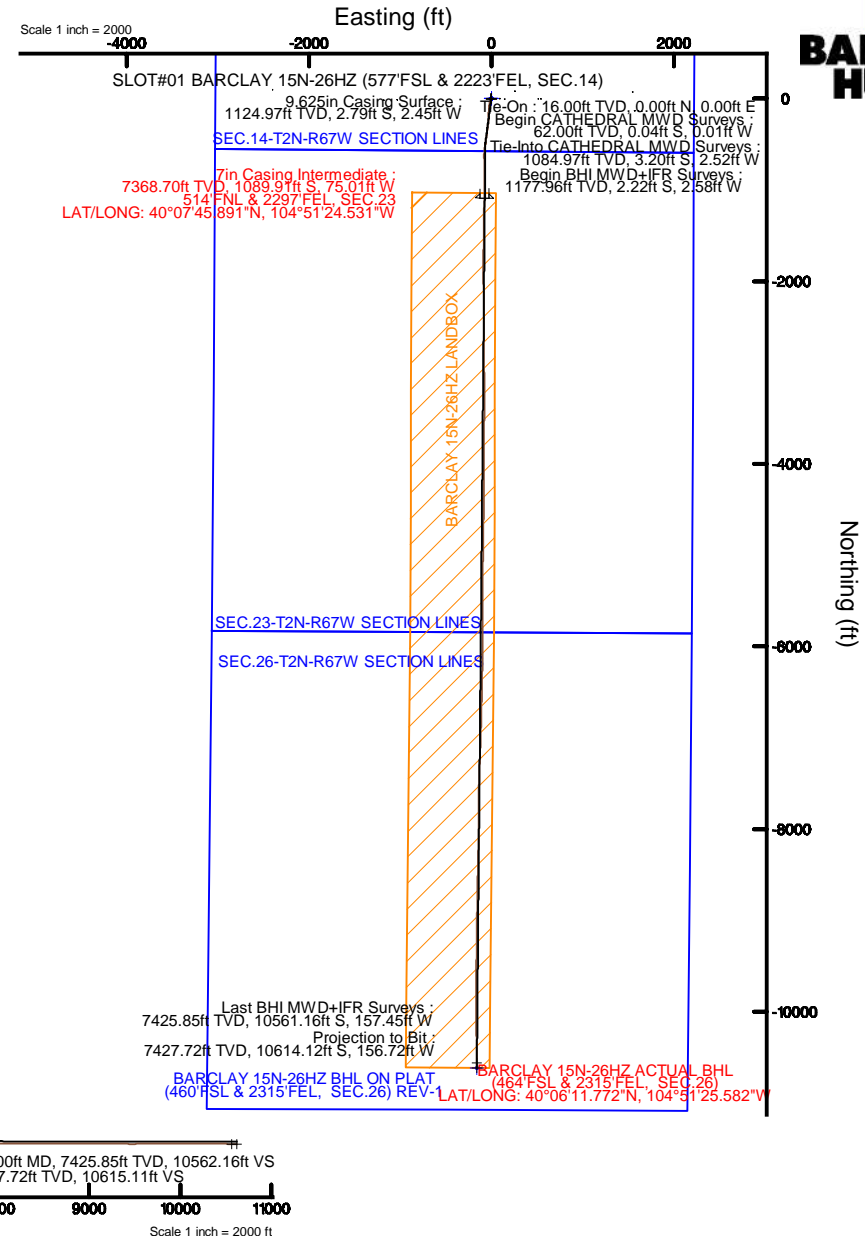


# KERR-MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#01 BARCLAY 15N-26HZ (577'FSL & 2223'FEL, SEC.14)  
 Field: WELD COUNTY (KERR MCGEE) Well: BARCLAY 15N-26HZ  
 Facility: SEC.14-T2N-R67W Wellbore: BARCLAY 15N-26HZ PWP

Plot reference wellpath is BARCLAY 15N-26HZ (REV-A.0) PWP

True vertical depths are referenced to XTREME 23 (16KB) (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to XTREME 23 (16KB) (RKB)	North Reference: True north
XTREME 23 (16KB) (RKB) to Mean Sea Level: 4948 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#01 BARCLAY 15N-26HZ (577'FSL & 2223'FEL, SEC.14)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: precain on 3/24/2015



# Actual Wellpath Report

BARCLAY 15N-26HZ AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 BARCLAY 15N-26HZ (577'FSL & 2223'FEL, SEC.14)
Area	COLORADO	Well	BARCLAY 15N-26HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BARCLAY 15N-26HZ AWB <17250>
Facility	SEC.14-T2N-R67W		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 4.1.1
North Reference	True	User	Precain
Scale	0.999959	Report Generated	3/24/2015 at 1:16:22 PM
Convergence at slot	0.42° East	Database/Source file	WellArchitectDB/BARCLAY_15N-26HZ_AWB__17250_.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	3179914.43	1291732.03	40°07'56.662"N	104°51'23.565"W
Facility Reference Pt			3179914.43	1291732.03	40°07'56.662"N	104°51'23.565"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 23 (16'KB) (RKB) to Facility Vertical Datum	4948.00ft
Horizontal Reference Pt	Slot	XTREME 23 (16'KB) (RKB) to Mean Sea Level	4948.00ft
Vertical Reference Pt	XTREME 23 (16'KB) (RKB)	XTREME 23 (16'KB) (RKB) to Mud Line at Slot (SLOT#01 BARCLAY 15N-26HZ (577'FSL & 2223'FEL, SEC.14))	4948.00ft
MD Reference Pt	XTREME 23 (16'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	180.53°

# Actual Wellpath Report

BARCLAY 15N-26HZ AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 BARCLAY 15N-26HZ (577'FSL & 2223'FEL, SEC.14)
Area	COLORADO	Well	BARCLAY 15N-26HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BARCLAY 15N-26HZ AWB <17250>
Facility	SEC.14-T2N-R67W		

## WELLPATH DATA (170 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	189.500	0.00	0.00	0.00	0.00	40°07'56.662"N	104°51'23.565"W	0.00	
16.00	0.000	189.500	16.00	0.00	0.00	0.00	40°07'56.662"N	104°51'23.565"W	0.00	Tie-On
62.00	0.100	189.500	62.00	0.04	-0.04	-0.01	40°07'56.662"N	104°51'23.565"W	0.22	Begin CATHEDRAL MWD Surveys
172.00	0.200	169.400	172.00	0.32	-0.32	0.01	40°07'56.659"N	104°51'23.565"W	0.10	
250.00	0.300	172.100	250.00	0.66	-0.66	0.07	40°07'56.655"N	104°51'23.564"W	0.13	
331.00	0.200	201.100	331.00	1.00	-1.00	0.04	40°07'56.652"N	104°51'23.564"W	0.20	
411.00	0.300	212.400	411.00	1.31	-1.31	-0.12	40°07'56.649"N	104°51'23.567"W	0.14	
491.00	0.700	202.600	490.99	1.94	-1.94	-0.42	40°07'56.643"N	104°51'23.570"W	0.51	
571.00	0.700	218.700	570.99	2.78	-2.77	-0.91	40°07'56.635"N	104°51'23.577"W	0.25	
651.00	0.900	215.200	650.98	3.68	-3.66	-1.58	40°07'56.626"N	104°51'23.585"W	0.26	
731.00	0.400	222.000	730.98	4.40	-4.38	-2.13	40°07'56.619"N	104°51'23.592"W	0.63	
811.00	0.100	223.600	810.97	4.66	-4.64	-2.36	40°07'56.616"N	104°51'23.595"W	0.38	
891.00	0.200	299.900	890.97	4.65	-4.62	-2.53	40°07'56.616"N	104°51'23.598"W	0.25	
971.00	0.500	6.900	970.97	4.23	-4.21	-2.61	40°07'56.620"N	104°51'23.599"W	0.58	
1051.00	0.500	359.200	1050.97	3.54	-3.51	-2.57	40°07'56.627"N	104°51'23.598"W	0.08	
1085.00	0.600	19.800	1084.97	3.22	-3.20	-2.52	40°07'56.630"N	104°51'23.597"W	0.65	Tie-Into CATHEDRAL MWD Surveys
1178.00	0.700	335.900	1177.96	2.24	-2.22	-2.58	40°07'56.640"N	104°51'23.598"W	0.53	Begin BHI MWD+IFR Surveys
1270.00	1.400	210.800	1269.95	2.70	-2.67	-3.39	40°07'56.636"N	104°51'23.609"W	2.06	
1362.00	3.100	189.100	1361.88	6.13	-6.09	-4.36	40°07'56.602"N	104°51'23.621"W	2.03	
1454.00	5.100	199.100	1453.64	12.47	-12.41	-6.09	40°07'56.539"N	104°51'23.643"W	2.30	
1547.00	7.300	203.100	1546.09	21.85	-21.76	-9.76	40°07'56.447"N	104°51'23.691"W	2.41	
1639.00	8.900	198.400	1637.17	34.02	-33.89	-14.30	40°07'56.327"N	104°51'23.749"W	1.88	
1731.00	9.800	194.200	1727.95	48.40	-48.23	-18.47	40°07'56.185"N	104°51'23.803"W	1.23	
1823.00	10.700	188.700	1818.48	64.46	-64.26	-21.68	40°07'56.027"N	104°51'23.844"W	1.44	
1915.00	12.200	185.700	1908.65	82.60	-82.38	-23.94	40°07'55.848"N	104°51'23.873"W	1.75	
2007.00	11.200	179.500	1998.74	101.21	-100.99	-24.83	40°07'55.664"N	104°51'23.885"W	1.74	
2100.00	11.400	186.300	2089.94	119.39	-119.16	-25.75	40°07'55.484"N	104°51'23.897"W	1.45	
2193.00	12.600	188.100	2180.91	138.59	-138.34	-28.19	40°07'55.295"N	104°51'23.928"W	1.35	
2285.00	12.300	181.900	2270.75	158.33	-158.07	-29.93	40°07'55.100"N	104°51'23.950"W	1.49	
2376.00	12.100	180.300	2359.70	177.56	-177.29	-30.30	40°07'54.910"N	104°51'23.955"W	0.43	
2462.00	11.000	177.600	2443.95	194.77	-194.50	-30.01	40°07'54.740"N	104°51'23.951"W	1.42	
2547.00	10.700	177.800	2527.43	210.75	-210.49	-29.36	40°07'54.582"N	104°51'23.943"W	0.36	
2633.00	11.800	183.700	2611.78	227.51	-227.24	-29.63	40°07'54.416"N	104°51'23.946"W	1.85	
2718.00	11.700	185.600	2695.00	244.77	-244.49	-31.03	40°07'54.246"N	104°51'23.964"W	0.47	
2802.00	12.400	189.600	2777.15	262.16	-261.86	-33.36	40°07'54.074"N	104°51'23.995"W	1.30	
2887.00	12.500	187.500	2860.15	280.30	-279.98	-36.08	40°07'53.895"N	104°51'24.030"W	0.55	
2973.00	12.100	187.000	2944.18	298.50	-298.16	-38.40	40°07'53.716"N	104°51'24.059"W	0.48	
3058.00	11.700	185.500	3027.35	315.93	-315.58	-40.31	40°07'53.543"N	104°51'24.084"W	0.59	
3143.00	13.100	188.500	3110.37	334.06	-333.68	-42.56	40°07'53.365"N	104°51'24.113"W	1.81	
3230.00	13.000	186.700	3195.12	353.55	-353.15	-45.16	40°07'53.172"N	104°51'24.146"W	0.48	
3315.00	12.200	186.300	3278.07	371.99	-371.58	-47.26	40°07'52.990"N	104°51'24.173"W	0.95	
3400.00	11.300	184.900	3361.29	389.23	-388.80	-48.96	40°07'52.820"N	104°51'24.195"W	1.11	
3485.00	11.500	192.200	3444.62	405.84	-405.38	-51.46	40°07'52.656"N	104°51'24.227"W	1.71	
3572.00	10.900	192.400	3529.96	422.38	-421.89	-55.06	40°07'52.493"N	104°51'24.274"W	0.69	
3658.00	9.900	189.800	3614.55	437.63	-437.12	-58.06	40°07'52.342"N	104°51'24.313"W	1.28	

# Actual Wellpath Report

BARCLAY 15N-26HZ AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 BARCLAY 15N-26HZ (577'FSL & 2223'FEL, SEC.14)
Area	COLORADO	Well	BARCLAY 15N-26HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BARCLAY 15N-26HZ AWB <17250>
Facility	SEC.14-T2N-R67W		

## WELLPATH DATA (170 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
3743.00	9.100	189.800	3698.38	451.48	-450.94	-60.45	40°07'52.206"N	104°51'24.343"W	0.94	
3830.00	7.300	187.400	3784.49	463.76	-463.20	-62.33	40°07'52.085"N	104°51'24.367"W	2.11	
3917.00	6.000	182.900	3870.90	473.79	-473.23	-63.28	40°07'51.986"N	104°51'24.380"W	1.61	
4003.00	4.100	186.300	3956.57	481.34	-480.77	-63.84	40°07'51.911"N	104°51'24.387"W	2.24	
4088.00	2.400	198.900	4041.43	486.05	-485.48	-64.75	40°07'51.864"N	104°51'24.399"W	2.16	
4173.00	0.400	207.400	4126.40	488.00	-487.42	-65.46	40°07'51.845"N	104°51'24.408"W	2.36	
4605.00	1.100	295.100	4558.37	487.63	-487.00	-69.91	40°07'51.849"N	104°51'24.465"W	0.27	
4692.00	0.800	185.600	4645.36	487.88	-487.25	-70.73	40°07'51.847"N	104°51'24.476"W	1.79	
4864.00	0.900	184.800	4817.34	490.43	-489.80	-70.96	40°07'51.822"N	104°51'24.479"W	0.06	
5298.00	0.900	101.900	5251.30	494.50	-493.89	-67.91	40°07'51.781"N	104°51'24.439"W	0.27	
5726.00	0.400	67.600	5679.28	494.58	-494.02	-63.24	40°07'51.780"N	104°51'24.379"W	0.14	
5984.00	0.200	351.600	5937.27	493.78	-493.23	-62.47	40°07'51.788"N	104°51'24.369"W	0.16	
6413.00	0.600	246.600	6366.26	493.95	-493.38	-64.64	40°07'51.786"N	104°51'24.397"W	0.16	
6672.00	0.600	165.300	6625.25	495.81	-495.23	-65.54	40°07'51.768"N	104°51'24.409"W	0.30	
6756.00	3.100	180.800	6709.20	498.51	-497.93	-65.46	40°07'51.741"N	104°51'24.408"W	3.01	
6843.00	8.700	189.700	6795.71	507.36	-506.77	-66.60	40°07'51.654"N	104°51'24.422"W	6.50	
6929.00	23.500	189.700	6878.11	530.84	-530.22	-70.61	40°07'51.422"N	104°51'24.474"W	17.21	
7016.00	26.800	186.800	6956.85	567.47	-566.80	-75.86	40°07'51.061"N	104°51'24.542"W	4.05	
7101.00	26.900	182.100	7032.70	605.75	-605.05	-78.83	40°07'50.683"N	104°51'24.580"W	2.50	
7186.00	30.700	178.600	7107.18	646.67	-645.97	-79.01	40°07'50.278"N	104°51'24.582"W	4.89	
7272.00	39.000	179.100	7177.69	695.75	-695.06	-78.04	40°07'49.793"N	104°51'24.570"W	9.66	
7359.00	51.800	179.700	7238.65	757.56	-756.88	-77.43	40°07'49.182"N	104°51'24.562"W	14.72	
7444.00	59.500	181.200	7286.58	827.68	-827.00	-78.02	40°07'48.490"N	104°51'24.570"W	9.17	
7529.00	65.500	179.000	7325.81	903.03	-902.35	-78.12	40°07'47.745"N	104°51'24.571"W	7.42	
7614.00	74.700	177.400	7354.71	982.80	-982.15	-75.58	40°07'46.956"N	104°51'24.538"W	10.97	
7691.00	86.400	180.700	7367.34	1058.59	-1057.95	-74.36	40°07'46.207"N	104°51'24.522"W	15.77	
7723.00†	88.717	181.639	7368.70	1090.55	-1089.91	-75.01	40°07'45.891"N	104°51'24.531"W	7.81	7" Casing Point
7749.00	90.600	182.400	7368.86	1116.54	-1115.89	-75.93	40°07'45.635"N	104°51'24.542"W	7.81	
7834.00	91.300	181.700	7367.45	1201.50	-1200.82	-78.97	40°07'44.795"N	104°51'24.582"W	1.16	
7922.00	91.100	181.600	7365.60	1289.46	-1288.77	-81.50	40°07'43.926"N	104°51'24.614"W	0.25	
8009.00	90.700	181.200	7364.24	1376.44	-1375.73	-83.62	40°07'43.067"N	104°51'24.642"W	0.65	
8094.00	90.700	180.200	7363.20	1461.43	-1460.72	-84.66	40°07'42.227"N	104°51'24.655"W	1.18	
8181.00	89.000	180.000	7363.43	1548.43	-1547.71	-84.81	40°07'41.367"N	104°51'24.657"W	1.97	
8266.00	90.700	181.000	7363.65	1633.42	-1632.71	-85.56	40°07'40.527"N	104°51'24.666"W	2.32	
8351.00	88.200	179.600	7364.46	1718.41	-1717.69	-86.00	40°07'39.688"N	104°51'24.672"W	3.37	
8437.00	90.900	180.400	7365.14	1804.39	-1803.68	-86.00	40°07'38.838"N	104°51'24.672"W	3.27	
8522.00	91.000	180.300	7363.73	1889.38	-1888.67	-86.52	40°07'37.998"N	104°51'24.679"W	0.17	
8609.00	87.600	179.400	7364.79	1976.36	-1975.65	-86.29	40°07'37.138"N	104°51'24.676"W	4.04	
8696.00	88.200	179.800	7367.98	2063.29	-2062.59	-85.69	40°07'36.279"N	104°51'24.668"W	0.83	
8781.00	88.200	179.600	7370.65	2148.23	-2147.54	-85.24	40°07'35.440"N	104°51'24.662"W	0.24	
8868.00	88.200	179.500	7373.38	2235.18	-2234.50	-84.56	40°07'34.580"N	104°51'24.654"W	0.11	
8955.00	88.300	179.400	7376.04	2322.12	-2321.45	-83.72	40°07'33.721"N	104°51'24.643"W	0.16	
9043.00	88.300	179.400	7378.65	2410.07	-2409.41	-82.80	40°07'32.852"N	104°51'24.631"W	0.00	
9128.00	88.200	179.500	7381.25	2495.01	-2494.37	-81.99	40°07'32.012"N	104°51'24.620"W	0.17	
9213.00	88.240	179.860	7383.89	2579.96	-2579.32	-81.51	40°07'31.173"N	104°51'24.614"W	0.43	

# Actual Wellpath Report

BARCLAY 15N-26HZ AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 BARCLAY 15N-26HZ (577'FSL & 2223'FEL, SEC.14)
Area	COLORADO	Well	BARCLAY 15N-26HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BARCLAY 15N-26HZ AWB <17250>
Facility	SEC.14-T2N-R67W		

## WELLPATH DATA (170 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
9298.00	89.190	179.700	7385.79	2664.93	-2664.30	-81.19	40°07'30.333"N	104°51'24.610"W	1.13	
9385.00	89.350	179.420	7386.90	2751.91	-2751.29	-80.52	40°07'29.473"N	104°51'24.602"W	0.37	
9470.00	89.810	179.260	7387.53	2836.89	-2836.28	-79.54	40°07'28.634"N	104°51'24.589"W	0.57	
9557.00	90.270	180.090	7387.46	2923.88	-2923.28	-79.05	40°07'27.774"N	104°51'24.583"W	1.09	
9642.00	89.690	179.370	7387.49	3008.87	-3008.28	-78.65	40°07'26.934"N	104°51'24.577"W	1.09	
9729.00	88.520	179.680	7388.85	3095.85	-3095.26	-77.92	40°07'26.074"N	104°51'24.568"W	1.39	
9814.00	89.320	179.410	7390.46	3180.82	-3180.24	-77.25	40°07'25.235"N	104°51'24.559"W	0.99	
9901.00	89.780	178.990	7391.14	3267.79	-3267.23	-76.03	40°07'24.375"N	104°51'24.544"W	0.72	
9986.00	90.730	180.360	7390.76	3352.78	-3352.23	-75.55	40°07'23.535"N	104°51'24.538"W	1.96	
10072.00	90.730	181.450	7389.66	3438.77	-3438.21	-76.91	40°07'22.685"N	104°51'24.555"W	1.27	
10164.00	90.430	181.090	7388.73	3530.76	-3530.18	-78.95	40°07'21.776"N	104°51'24.581"W	0.51	
10256.00	89.590	180.860	7388.72	3622.75	-3622.17	-80.52	40°07'20.867"N	104°51'24.601"W	0.95	
10349.00	91.230	180.980	7388.05	3715.75	-3715.15	-82.01	40°07'19.949"N	104°51'24.621"W	1.77	
10440.00	88.580	180.180	7388.20	3806.74	-3806.14	-82.93	40°07'19.049"N	104°51'24.633"W	3.04	
10533.00	88.520	179.900	7390.56	3899.70	-3899.11	-82.99	40°07'18.131"N	104°51'24.633"W	0.31	
10625.00	90.330	179.670	7391.48	3991.69	-3991.10	-82.65	40°07'17.222"N	104°51'24.629"W	1.98	
10717.00	89.810	178.960	7391.37	4083.67	-4083.09	-81.55	40°07'16.312"N	104°51'24.615"W	0.96	
10809.00	90.830	180.340	7390.85	4175.65	-4175.08	-80.99	40°07'15.403"N	104°51'24.607"W	1.87	
10901.00	90.830	180.630	7389.52	4267.64	-4267.07	-81.77	40°07'14.494"N	104°51'24.618"W	0.32	
10994.00	90.520	180.320	7388.42	4360.63	-4360.06	-82.54	40°07'13.575"N	104°51'24.627"W	0.47	
11084.00	90.060	180.670	7387.97	4450.63	-4450.05	-83.31	40°07'12.686"N	104°51'24.637"W	0.64	
11179.00	89.040	180.670	7388.72	4545.63	-4545.04	-84.43	40°07'11.747"N	104°51'24.652"W	1.07	
11271.00	90.300	181.660	7389.25	4637.62	-4637.02	-86.30	40°07'10.838"N	104°51'24.676"W	1.74	
11363.00	88.980	181.000	7389.82	4729.60	-4728.99	-88.43	40°07'09.930"N	104°51'24.703"W	1.60	
11448.00	90.340	181.100	7390.33	4814.60	-4813.97	-89.99	40°07'09.090"N	104°51'24.723"W	1.60	
11535.00	89.290	179.720	7390.61	4901.59	-4900.97	-90.61	40°07'08.230"N	104°51'24.731"W	1.99	
11620.00	90.430	180.870	7390.82	4986.59	-4985.96	-91.05	40°07'07.390"N	104°51'24.737"W	1.91	
11705.00	89.720	181.790	7390.71	5071.58	-5070.94	-93.02	40°07'06.550"N	104°51'24.762"W	1.37	
11788.00	89.460	181.210	7391.30	5154.56	-5153.91	-95.19	40°07'05.731"N	104°51'24.790"W	0.77	
11874.00	87.990	180.390	7393.21	5240.54	-5239.87	-96.39	40°07'04.881"N	104°51'24.806"W	1.96	
11959.00	88.060	180.000	7396.14	5325.49	-5324.82	-96.68	40°07'04.042"N	104°51'24.809"W	0.47	
12046.00	88.830	179.960	7398.50	5412.45	-5411.79	-96.65	40°07'03.182"N	104°51'24.809"W	0.89	
12131.00	88.490	180.460	7400.49	5497.43	-5496.77	-96.97	40°07'02.342"N	104°51'24.813"W	0.71	
12217.00	89.600	180.520	7401.92	5583.41	-5582.75	-97.70	40°07'01.493"N	104°51'24.823"W	1.29	
12302.00	89.940	179.880	7402.27	5668.41	-5667.75	-98.00	40°07'00.653"N	104°51'24.826"W	0.85	
12394.00	90.090	179.650	7402.24	5760.40	-5759.75	-97.62	40°06'59.744"N	104°51'24.822"W	0.30	
12481.00	90.400	178.700	7401.87	5847.37	-5846.74	-96.37	40°06'58.884"N	104°51'24.805"W	1.15	
12566.00	89.960	180.330	7401.60	5932.36	-5931.73	-95.65	40°06'58.044"N	104°51'24.796"W	1.99	
12651.00	90.490	180.210	7401.27	6017.36	-6016.73	-96.05	40°06'57.204"N	104°51'24.801"W	0.64	
12738.00	90.430	181.140	7400.57	6104.35	-6103.72	-97.07	40°06'56.344"N	104°51'24.814"W	1.07	
12823.00	90.000	180.890	7400.25	6189.35	-6188.70	-98.58	40°06'55.505"N	104°51'24.834"W	0.59	
12911.00	89.350	181.090	7400.75	6277.34	-6276.69	-100.10	40°06'54.635"N	104°51'24.853"W	0.77	
12995.00	89.720	180.520	7401.43	6361.34	-6360.68	-101.28	40°06'53.805"N	104°51'24.869"W	0.81	
13084.00	89.780	181.560	7401.82	6450.33	-6449.66	-102.89	40°06'52.926"N	104°51'24.889"W	1.17	
13170.00	89.590	181.360	7402.29	6536.32	-6535.63	-105.09	40°06'52.076"N	104°51'24.918"W	0.32	



# Actual Wellpath Report

BARCLAY 15N-26HZ AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 BARCLAY 15N-26HZ (577'FSL & 2223'FEL, SEC.14)
Area	COLORADO	Well	BARCLAY 15N-26HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BARCLAY 15N-26HZ AWB <17250>
Facility	SEC.14-T2N-R67W		

## WELLPATH DATA (170 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
13255.00	88.890	181.520	7403.42	6621.30	-6620.60	-107.22	40°06'51.237"N	104°51'24.945"W	0.84	
13341.00	89.130	181.500	7404.91	6707.28	-6706.55	-109.49	40°06'50.387"N	104°51'24.974"W	0.28	
13425.00	89.100	181.350	7406.20	6791.26	-6790.52	-111.58	40°06'49.557"N	104°51'25.001"W	0.18	
13511.00	88.920	181.350	7407.69	6877.23	-6876.48	-113.60	40°06'48.708"N	104°51'25.027"W	0.21	
13598.00	89.780	181.430	7408.68	6964.22	-6963.45	-115.71	40°06'47.848"N	104°51'25.054"W	0.99	
13683.00	90.240	182.310	7408.66	7049.19	-7048.40	-118.49	40°06'47.009"N	104°51'25.090"W	1.17	
13770.00	88.460	182.380	7409.65	7136.14	-7135.32	-122.05	40°06'46.150"N	104°51'25.136"W	2.05	
13856.00	88.000	182.120	7412.30	7222.06	-7221.21	-125.42	40°06'45.301"N	104°51'25.179"W	0.61	
13943.00	87.810	182.280	7415.49	7308.97	-7308.09	-128.76	40°06'44.443"N	104°51'25.222"W	0.29	
14029.00	87.590	181.900	7418.94	7394.86	-7393.96	-131.89	40°06'43.594"N	104°51'25.263"W	0.51	
14114.00	87.810	181.350	7422.35	7479.78	-7478.86	-134.30	40°06'42.755"N	104°51'25.294"W	0.70	
14199.00	88.300	180.020	7425.23	7564.73	-7563.80	-135.32	40°06'41.916"N	104°51'25.307"W	1.67	
14285.00	90.280	179.960	7426.30	7650.71	-7649.79	-135.30	40°06'41.066"N	104°51'25.306"W	2.30	
14457.00	90.860	180.250	7424.59	7822.70	-7821.78	-135.62	40°06'39.366"N	104°51'25.310"W	0.38	
14542.00	91.360	180.270	7422.94	7907.68	-7906.77	-136.00	40°06'38.526"N	104°51'25.315"W	0.59	
14629.00	90.000	180.900	7421.91	7994.67	-7993.75	-136.89	40°06'37.667"N	104°51'25.327"W	1.72	
14801.00	90.060	181.300	7421.82	8166.66	-8165.72	-140.19	40°06'35.967"N	104°51'25.369"W	0.24	
14971.00	91.020	181.610	7420.22	8336.63	-8335.66	-144.51	40°06'34.288"N	104°51'25.425"W	0.59	
15057.00	90.000	181.330	7419.45	8422.62	-8421.62	-146.71	40°06'33.439"N	104°51'25.453"W	1.23	
15228.00	90.860	182.010	7418.17	8593.57	-8592.54	-151.70	40°06'31.750"N	104°51'25.517"W	0.64	
15313.00	89.190	180.990	7418.13	8678.56	-8677.51	-153.92	40°06'30.910"N	104°51'25.546"W	2.30	
15485.00	89.130	180.140	7420.65	8850.54	-8849.48	-155.62	40°06'29.210"N	104°51'25.568"W	0.50	
15570.00	89.070	180.680	7421.99	8935.53	-8934.47	-156.23	40°06'28.371"N	104°51'25.576"W	0.64	
15657.00	89.630	179.930	7422.97	9022.52	-9021.46	-156.69	40°06'27.511"N	104°51'25.582"W	1.08	
15743.00	90.210	180.520	7423.09	9108.52	-9107.46	-157.03	40°06'26.661"N	104°51'25.586"W	0.96	
15915.00	89.530	180.910	7423.48	9280.51	-9279.44	-159.17	40°06'24.961"N	104°51'25.614"W	0.46	
16085.00	89.900	181.890	7424.33	9450.49	-9449.39	-163.33	40°06'23.282"N	104°51'25.667"W	0.62	
16172.00	90.300	180.350	7424.18	9537.48	-9536.37	-165.03	40°06'22.423"N	104°51'25.689"W	1.83	
16345.00	90.520	179.980	7422.94	9710.47	-9709.36	-165.53	40°06'20.713"N	104°51'25.695"W	0.25	
16517.00	90.860	179.860	7420.87	9882.45	-9881.35	-165.28	40°06'19.013"N	104°51'25.692"W	0.21	
16688.00	90.700	180.280	7418.54	10053.43	-10052.33	-165.49	40°06'17.324"N	104°51'25.695"W	0.26	
16858.00	89.500	178.780	7418.24	10223.40	-10222.32	-164.10	40°06'15.644"N	104°51'25.677"W	1.13	
17033.00	88.670	178.770	7421.04	10398.29	-10397.26	-160.36	40°06'13.915"N	104°51'25.629"W	0.47	
17197.00	87.970	179.200	7425.85	10562.16	-10561.16	-157.45	40°06'12.295"N	104°51'25.591"W	0.50	Last BHI MWD+IFR Surveys
17250.00	87.970	179.200	7427.72	10615.11	-10614.12	-156.72	40°06'11.772"N	104°51'25.582"W	0.00	Projection to Bit

## HOLE & CASING SECTIONS - Ref Wellbore: BARCLAY 15N-26HZ AWB <17250> Ref Wellpath: BARCLAY 15N-26HZ 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]
13.5in Open Hole	16.00	1130.00	1114.00	16.00	1129.97	0.00	0.00	-2.74	-2.45
9.625in Casing Surface	16.00	1125.00	1109.00	16.00	1124.97	0.00	0.00	-2.79	-2.45
8.75in Open Hole	1130.00	7737.00	6607.00	1129.97	7368.89	-2.74	-2.45	-1103.90	-75.46
7in Casing Intermediate	16.00	7723.00	7707.00	16.00	7368.70	0.00	0.00	-1089.91	-75.01
6.125in Open Hole	7737.00	17250.00	9513.00	7368.89	7427.72	-1103.90	-75.46	-10614.12	-156.72

# Actual Wellpath Report

BARCLAY 15N-26HZ AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 BARCLAY 15N-26HZ (577'FSL & 2223'FEL, SEC.14)
Area	COLORADO	Well	BARCLAY 15N-26HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BARCLAY 15N-26HZ AWB <17250>
Facility	SEC.14-T2N-R67W		

## TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.14-T2N-R67W SECTION LINES	-1.00	0.00	0.00	3179914.43	1291732.03	40°07'56.662"N	104°51'23.565"W	polygon
SEC.23-T2N-R67W SECTION LINES	-1.00	0.00	0.00	3179914.43	1291732.03	40°07'56.662"N	104°51'23.565"W	polygon
SEC.26-T2N-R67W SECTION LINES	-1.00	0.00	0.00	3179914.43	1291732.03	40°07'56.662"N	104°51'23.565"W	polygon
BARCLAY 15N-26HZ BHL ON PLAT (460'FSL & 2315'FEL, SEC.26) REV-1	7403.00	-10615.58	-158.94	3179832.52	1281116.03	40°06'11.758"N	104°51'25.610"W	point
BARCLAY 15N-26HZ LANDBOX	7403.00	0.00	0.00	3179914.43	1291732.03	40°07'56.662"N	104°51'23.565"W	polygon

## WELLPATH COMPOSITION - Ref Wellbore: BARCLAY 15N-26HZ AWB <17250> Ref Wellpath: BARCLAY 15N-26HZ AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	1085.00	ISCWSA MWD, Rev. 2 (Standard)	CATHEDRAL MWD SURVEYS <62-1085>	BARCLAY 15N-26HZ AWB <17250>
1085.00	7691.00	NaviTrak (MAGCORR,IFR)	BHI MWD+IFR SURVEYS 8 3/4" HOLE <1178-7691>	BARCLAY 15N-26HZ AWB <17250>
7691.00	17197.00	NaviTrak (MAGCORR,IFR)	BHI MWD+IFR SURVEYS 6 1/8" HOLE <7749-17197>	BARCLAY 15N-26HZ AWB <17250>
17197.00	17250.00	Blind Drilling (std)	Projection to bit	BARCLAY 15N-26HZ AWB <17250>

# Actual Wellpath Report

BARCLAY 15N-26HZ AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 BARCLAY 15N-26HZ (577'FSL & 2223'FEL, SEC.14)
Area	COLORADO	Well	BARCLAY 15N-26HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BARCLAY 15N-26HZ AWB <17250>
Facility	SEC.14-T2N-R67W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
16.00	0.000	189.500	16.00	Tie-On
62.00	0.100	189.500	62.00	Begin CATHEDRAL MWD Surveys
1085.00	0.600	19.800	1084.97	Tie-Into CATHEDRAL MWD Surveys
1178.00	0.700	335.900	1177.96	Begin BHI MWD+IFR Surveys
7723.00	88.717	181.639	7368.70	7" Casing Point
17197.00	87.970	179.200	7425.85	Last BHI MWD+IFR Surveys
17250.00	87.970	179.200	7427.72	Projection to Bit