





# Actual Wellpath Report

PALYO 28-11 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#19 PALYO 28-11 (1058'FNL & 1401'FWL)
Area	COLORADO	Well	PALYO 28-11
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PALYO 28-11 AWB
Facility	SEC.11-T2N-R65W		

## 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	0.999958	Report Generated	11/4/2011 at 4:16:01 PM
Convergence at slot	0.56° East	Database/Source file	WA_Denver/PALYO_28-11_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	3617.13	-1881.70	3241642.80	1301423.55	40°09'27.248"N	104°38'07.627"W
Facility Reference Pt			3243559.87	1297825.24	40°08'51.504"N	104°37'43.392"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 12 (RKB) to Facility Vertical Datum	4869.00ft
Horizontal Reference Pt	Slot	XTREME 12 (RKB) to Mean Sea Level	4869.00ft
Vertical Reference Pt	XTREME 12 (RKB)	XTREME 12 (RKB) to Mud Line at Slot (SLOT#19 PALYO 28-11 (1058'FNL & 1401'FWL))	4869.00ft
MD Reference Pt	XTREME 12 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	53.65°



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## WELLPATH DATA (83 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	122.900	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	122.900	15.00	0.00	0.00	0.00	0.00	
153.00	0.700	122.900	153.00	0.30	-0.46	0.71	0.51	
245.00	2.300	48.000	244.97	2.34	0.47	2.55	2.42	
337.00	4.000	45.200	336.83	7.35	3.97	6.20	1.85	
429.00	5.600	51.100	428.50	15.01	9.05	11.97	1.82	
521.00	8.100	54.600	519.84	25.97	15.62	20.75	2.75	
612.00	9.100	54.600	609.81	39.58	23.51	31.84	1.10	
703.00	9.900	53.600	699.56	54.60	32.32	44.00	0.90	
782.00	10.500	53.600	777.31	68.59	40.62	55.26	0.76	
870.00	10.000	52.500	863.91	84.24	50.03	67.78	0.61	
961.00	11.100	53.900	953.37	100.90	60.00	81.13	1.24	
1047.00	13.500	58.500	1037.39	119.19	70.12	96.38	3.01	
1138.00	16.100	55.400	1125.37	142.39	82.84	115.82	2.99	
1229.00	18.100	56.800	1212.34	169.12	97.75	138.04	2.24	
1320.00	19.100	57.800	1298.59	198.08	113.42	162.47	1.15	
1410.00	20.400	53.600	1383.29	228.45	130.58	187.56	2.14	
1501.00	21.000	53.600	1468.42	260.62	149.67	213.45	0.66	
1592.00	21.800	52.200	1553.15	293.82	169.70	239.92	1.04	
1682.00	21.600	52.500	1636.77	327.09	190.03	266.27	0.25	
1773.00	21.900	52.500	1721.29	360.80	210.55	293.02	0.33	
1864.00	21.600	51.800	1805.81	394.51	231.24	319.65	0.44	
1954.00	21.500	53.400	1889.52	427.56	251.32	345.91	0.66	
2045.00	20.900	53.600	1974.36	460.47	270.90	372.36	0.66	
2136.00	20.800	51.500	2059.40	492.85	290.59	398.07	0.83	
2227.00	20.400	52.900	2144.59	524.85	310.21	423.36	0.70	
2318.00	20.300	51.500	2229.91	556.48	329.61	448.37	0.55	
2408.00	20.800	51.800	2314.18	588.06	349.21	473.14	0.57	
2499.00	21.700	52.500	2398.99	621.03	369.44	499.19	1.03	
2590.00	21.000	53.600	2483.75	654.15	389.36	525.66	0.89	
2681.00	20.600	52.500	2568.81	686.46	408.78	551.49	0.61	
2771.00	21.300	52.900	2652.86	718.64	428.28	577.09	0.79	
2862.00	21.300	53.600	2737.65	751.69	448.06	603.57	0.28	
2953.00	21.200	56.800	2822.46	784.65	466.88	630.64	1.28	
3044.00	22.500	56.800	2906.93	818.47	485.42	658.98	1.43	
3134.00	22.800	53.600	2989.99	853.10	505.20	687.43	1.41	
3225.00	22.100	53.600	3074.09	887.85	525.82	715.40	0.77	
3316.00	20.700	52.200	3158.81	921.05	545.84	741.89	1.64	
3406.00	20.000	51.100	3243.20	952.33	565.25	766.43	0.89	
3497.00	20.400	51.500	3328.60	983.72	584.90	790.96	0.47	
3588.00	19.000	47.300	3414.28	1014.30	604.82	814.26	2.19	
3679.00	17.600	51.100	3500.67	1042.77	623.50	835.85	2.02	
3769.00	17.800	55.700	3586.42	1070.11	639.80	857.81	1.57	
3860.00	19.700	54.600	3672.59	1099.35	656.53	881.80	2.12	
3951.00	19.300	51.500	3758.37	1129.71	674.77	906.08	1.22	



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Field	WELD COUNTY (KERR MCGEE)	Wellbore	PALYO 28-11 AWB
Facility	SEC.11-T2N-R65W		

## WELLPATH DATA (83 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4041.00	19.400	50.100	3843.28	1159.49	693.62	929.18	0.53	
4132.00	22.500	55.700	3928.27	1191.99	713.13	955.17	4.05	
4223.00	23.000	55.000	4012.19	1227.17	733.14	984.12	0.62	
4314.00	21.100	51.800	4096.53	1261.31	753.47	1011.56	2.47	
4404.00	19.700	49.400	4180.88	1292.64	773.36	1035.81	1.81	
4495.00	21.000	53.900	4266.21	1324.24	792.95	1060.63	2.23	
4586.00	19.900	59.200	4351.48	1355.96	810.49	1087.11	2.37	
4677.00	19.200	56.100	4437.24	1386.33	826.77	1112.83	1.37	
4768.00	20.200	58.900	4522.91	1416.93	843.23	1138.71	1.51	
4858.00	20.700	58.500	4607.24	1448.25	859.57	1165.58	0.58	
4949.00	19.800	57.500	4692.61	1479.65	876.25	1192.29	1.06	
5040.00	18.800	59.600	4778.50	1509.62	891.96	1217.94	1.34	
5131.00	17.800	58.500	4864.90	1538.06	906.64	1242.44	1.16	
5222.00	15.800	56.400	4952.01	1564.30	920.77	1264.62	2.30	
5312.00	14.500	55.400	5038.88	1587.80	933.95	1284.10	1.47	
5403.00	13.500	54.600	5127.17	1609.81	946.57	1302.14	1.12	
5494.00	11.000	53.200	5216.10	1629.11	957.93	1317.75	2.77	
5584.00	8.400	50.100	5304.80	1644.26	967.29	1329.67	2.95	
5675.00	7.400	42.000	5394.94	1656.64	975.91	1338.69	1.64	
5766.00	6.100	29.300	5485.31	1666.78	984.48	1344.98	2.17	
5857.00	2.400	351.700	5576.06	1672.08	990.58	1347.07	4.89	
5947.00	1.800	261.400	5666.02	1671.72	992.24	1345.40	3.34	
6038.00	0.400	106.700	5757.01	1670.65	991.93	1344.30	2.38	
6129.00	0.900	85.200	5848.00	1671.45	991.90	1345.31	0.60	
6265.00	1.200	82.100	5983.98	1673.61	992.19	1347.79	0.22	
6401.00	1.500	70.800	6119.94	1676.56	992.97	1350.88	0.29	
6538.00	1.100	53.200	6256.90	1679.59	994.35	1353.62	0.41	
6674.00	1.100	51.800	6392.88	1682.20	995.93	1355.70	0.02	
6810.00	1.100	32.500	6528.85	1684.72	997.84	1357.42	0.27	
6946.00	1.100	27.900	6664.83	1687.11	1000.10	1358.74	0.06	
7082.00	1.100	34.600	6800.80	1689.52	1002.33	1360.09	0.09	
7219.00	1.500	57.100	6937.77	1692.56	1004.38	1362.34	0.47	
7355.00	1.100	91.900	7073.74	1695.36	1005.31	1365.14	0.64	
7491.00	0.800	99.300	7209.72	1697.05	1005.11	1367.38	0.24	
7627.00	0.900	112.700	7345.70	1698.26	1004.54	1369.30	0.16	
7763.00	0.800	110.200	7481.69	1699.33	1003.80	1371.18	0.08	
7940.00	0.900	127.100	7658.67	1700.41	1002.54	1373.45	0.15	LAST BHI MWD SURVEY
7990.00	0.900	127.100	7708.66	1700.63	1002.06	1374.07	0.00	PROJECTION TO BIT



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## HOLE & CASING SECTIONS - Ref Wellbore: PALYO 28-11 AWB Ref Wellpath: PALYO 28-11 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	15.00	837.00	822.00	15.00	831.42	0.00	0.00	46.52	63.18
8.625in Casing Surface	15.00	837.00	822.00	15.00	831.42	0.00	0.00	46.52	63.18
7.875in Open Hole	837.00	7990.00	7153.00	831.42	7708.66	46.52	63.18	1002.06	1374.07

## TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
PALYO 28-11 GEO TARGET 50' RADIUS (50'FNL & 2600'FEL,REV-1)		6000.00	999.32	1357.86	3242990.79	1302436.02	40°09'37.123"N	104°37'50.138"W	circle
PALYO 28-11 HARDLINE 78'W OF GEO TARGET		6000.00	999.34	1279.83	3242912.77	1302435.27	40°09'37.123"N	104°37'51.143"W	point
PALYO 28-11 HARLINE 50'N OF GEO TARGET		6000.00	1049.34	1357.83	3242990.27	1302486.03	40°09'37.617"N	104°37'50.138"W	point

## WELLPATH COMPOSITION - Ref Wellbore: PALYO 28-11 AWB Ref Wellpath: PALYO 28-11 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	7940.00	NaviTrak (Standard)	BHI MWD SURVEYS <153-7940>	PALYO 28-11 AWB
7940.00	7990.00	Blind Drilling (std)	Projection to bit	PALYO 28-11 AWB



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## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7940.00	0.900	127.100	7658.67	LAST BHI MWD SURVEY
7990.00	0.900	127.100	7708.66	PROJECTION TO BIT