



Standard Wellpath Report
 Sandridge
 Sec 7 - 31S -19W, Kansas
 Comanche County
 Wellbore: Murphy 3119 2-7H (Actual)

Wellbore

Name	Created	Last Revised
Murphy 3119 2-7H (Actual)	11-Oct-2012	5-Nov-2012

Well

Name	Government ID	Last Revised
Murphy 3119 2-7H		11-Oct-2012

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Murphy 3119 2-7H	256111.0000	1729075.0000	N37 21 58.7731	W99 25 56.0023	273.01S	4219.09W

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Comanche County	1733294.0000	256384.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 7 - 31S -19W	1733294.0000	256384.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

Comments
FINAL surveys MD 9485 is a projection to bit @ TD



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Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	1729075.00	256111.00
1146.00	0.50	121.900	1145.99	2.64S	4.25E	0.04	2.36	1729079.25	256108.36
1603.00	0.30	158.100	1602.97	4.81S	6.38E	0.07	4.38	1729081.38	256106.19
2059.00	0.80	219.000	2058.96	8.39S	4.83E	0.15	8.05	1729079.83	256102.61
2515.00	0.80	234.700	2514.91	12.70S	0.22E	0.05	12.66	1729075.22	256098.30
2972.00	0.10	190.000	2971.89	14.94S	2.45W	0.16	15.07	1729072.55	256096.06
3429.00	0.40	327.100	3428.89	13.99S	3.38W	0.10	14.18	1729071.62	256097.01
3885.00	0.70	31.900	3884.87	10.29S	2.78W	0.14	10.45	1729072.22	256100.71
4204.00	0.90	44.400	4203.84	6.85S	0.01E	0.08	6.83	1729075.01	256104.15
4250.00	0.30	69.900	4249.84	6.55S	0.37E	1.40	6.51	1729075.37	256104.45
4281.00	2.60	187.300	4280.83	7.22S	0.36E	8.87	7.18	1729075.36	256103.78
4311.00	5.40	191.800	4310.75	9.27S	0.02W	9.38	9.25	1729074.98	256101.73
4342.00	6.90	193.700	4341.57	12.51S	0.76W	4.88	12.53	1729074.24	256098.49
4372.00	8.10	194.100	4371.32	16.31S	1.70W	4.00	16.39	1729073.30	256094.69
4403.00	9.70	191.000	4401.94	20.99S	2.73W	5.39	21.13	1729072.27	256090.01
4433.00	11.60	191.000	4431.43	26.43S	3.79W	6.33	26.63	1729071.21	256084.57
4463.00	13.90	191.200	4460.68	32.93S	5.06W	7.67	33.19	1729069.94	256078.07
4494.00	16.00	190.600	4490.63	40.78S	6.57W	6.79	41.13	1729068.43	256070.22
4524.00	18.00	189.100	4519.32	49.43S	8.06W	6.82	49.85	1729066.94	256061.57
4554.00	20.20	189.000	4547.67	59.12S	9.61W	7.33	59.62	1729065.39	256051.88
4585.00	22.70	188.700	4576.52	70.32S	11.35W	8.07	70.91	1729063.65	256040.68
4615.00	24.20	189.200	4604.04	82.11S	13.21W	5.04	82.80	1729061.79	256028.89
4646.00	25.60	190.000	4632.16	94.98S	15.39W	4.64	95.79	1729059.61	256016.02
4676.00	27.40	191.700	4659.00	108.13S	17.91W	6.51	109.07	1729057.09	256002.88
4707.00	29.70	192.500	4686.23	122.61S	21.02W	7.52	123.73	1729053.98	255988.39
4737.00	31.70	192.100	4712.03	137.57S	24.28W	6.70	138.87	1729050.72	255973.43
4768.00	33.40	190.700	4738.16	153.92S	27.58W	6.00	155.40	1729047.42	255957.08
4798.00	35.10	189.700	4762.95	170.54S	30.56W	5.97	172.18	1729044.44	255940.46
4828.00	37.30	190.300	4787.16	187.99S	33.64W	7.43	189.79	1729041.36	255923.02
4859.00	39.70	191.800	4811.42	206.92S	37.35W	8.31	208.93	1729037.65	255904.08
4889.00	42.30	192.400	4834.06	226.17S	41.47W	8.77	228.40	1729033.53	255884.84
4920.00	44.70	191.900	4856.55	247.03S	45.96W	7.82	249.51	1729029.04	255863.98
4950.00	47.30	190.300	4877.38	268.20S	50.11W	9.48	270.91	1729024.89	255842.81
4981.00	49.60	190.600	4897.94	291.01S	54.32W	7.45	293.95	1729020.68	255819.99
5011.00	49.90	190.100	4917.33	313.54S	58.43W	1.62	316.70	1729016.57	255797.47
5042.00	49.90	190.700	4937.30	336.86S	62.71W	1.48	340.25	1729012.29	255774.15
5072.00	50.00	191.000	4956.60	359.41S	67.04W	0.83	363.04	1729007.97	255751.59
5102.00	50.20	191.200	4975.84	382.00S	71.47W	0.84	385.87	1729003.53	255729.01
5133.00	49.70	191.800	4995.79	405.25S	76.20W	2.19	409.38	1728998.80	255705.76
5163.00	49.40	192.700	5015.25	427.56S	81.04W	2.49	431.96	1728993.96	255683.45
5194.00	51.10	192.300	5035.08	450.83S	86.20W	5.57	455.52	1728988.80	255660.18
5224.00	54.30	191.600	5053.25	474.17S	91.14W	10.83	479.13	1728983.87	255636.84
5255.00	58.20	190.800	5070.47	499.45S	96.14W	12.76	504.69	1728978.86	255611.56
5285.00	61.70	190.600	5085.49	524.97S	100.96W	11.68	530.46	1728974.05	255586.04
5315.00	65.10	190.000	5098.92	551.36S	105.75W	11.47	557.11	1728969.25	255559.66
5346.00	68.00	189.400	5111.26	579.39S	110.54W	9.52	585.39	1728964.46	255531.63
5377.00	70.90	190.100	5122.14	607.99S	115.46W	9.59	614.26	1728959.55	255503.02
5407.00	74.10	190.200	5131.16	636.15S	120.50W	10.67	642.69	1728954.50	255474.86
5438.00	76.90	190.400	5138.92	665.68S	125.86W	9.05	672.50	1728949.14	255445.34
5468.00	79.00	190.400	5145.18	694.53S	131.16W	7.00	701.64	1728943.84	255416.48
5498.00	80.90	190.300	5150.42	723.59S	136.47W	6.34	730.99	1728938.54	255387.43
5529.00	84.20	191.000	5154.44	753.79S	142.15W	10.88	761.50	1728932.85	255357.22
5588.00	89.40	190.500	5157.73	811.65S	153.13W	8.85	819.95	1728921.87	255299.37
5680.00	89.90	185.700	5158.29	902.70S	166.09W	5.25	911.66	1728908.91	255208.32
5772.00	88.40	184.100	5159.66	994.35S	173.95W	2.38	1003.62	1728901.06	255116.67
5864.00	88.70	183.100	5161.99	1086.14S	179.72W	1.13	1095.59	1728895.28	255024.89
5956.00	89.30	182.100	5163.59	1178.03S	183.89W	1.27	1187.56	1728891.11	254933.00
6048.00	90.80	181.700	5163.51	1269.97S	186.94W	1.69	1279.51	1728888.06	254841.05
6140.00	89.90	181.900	5162.95	1361.92S	189.83W	1.00	1371.45	1728885.17	254749.10
6232.00	89.50	181.900	5163.43	1453.87S	192.88W	0.43	1463.40	1728882.12	254657.16
6323.00	89.20	182.000	5164.46	1544.81S	195.98W	0.35	1554.35	1728879.02	254566.22
6416.00	90.20	182.800	5164.95	1637.73S	199.88W	1.38	1647.32	1728875.13	254473.30
6508.00	89.50	181.800	5165.19	1729.65S	203.57W	1.33	1739.29	1728871.44	254381.38
6600.00	90.20	182.200	5165.43	1821.60S	206.78W	0.88	1831.24	1728868.23	254289.44
6693.00	90.30	182.400	5165.03	1914.52S	210.51W	0.24	1924.21	1728864.49	254196.52
6784.00	90.60	182.400	5164.31	2005.44S	214.32W	0.33	2015.18	1728860.68	254105.60
6875.00	89.60	181.900	5164.15	2096.37S	217.73W	1.23	2106.14	1728857.27	254014.67
6971.00	90.50	182.100	5164.07	2192.31S	221.09W	0.96	2202.10	1728853.92	253918.73
7068.00	90.50	181.500	5163.22	2289.26S	224.13W	0.62	2299.04	1728850.87	253821.79
7164.00	89.60	180.700	5163.14	2385.24S	225.97W	1.25	2394.93	1728849.03	253725.81

All data is in Feet unless otherwise stated
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Murphy 3119 2-7H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 183.760 degrees
 Bottom hole distance is 4714.31 Feet on azimuth 183.76 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 5-Nov-2012



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 Sandridge
 Sec 7 - 31S -19W, Kansas
 Comanche County
 Wellbore: Murphy 3119 2-7H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
7260.00	88.50	180.300	5164.73	2481.22S	226.81W	1.22	2490.76	1728848.19	253629.83
7356.00	89.70	181.400	5166.24	2577.20S	228.24W	1.70	2586.62	1728846.77	253533.86
7452.00	90.10	182.900	5166.41	2673.13S	231.84W	1.62	2682.58	1728843.17	253437.93
7547.00	90.00	183.300	5166.32	2767.99S	236.98W	0.43	2777.57	1728838.03	253343.07
7644.00	89.90	183.100	5166.41	2864.84S	242.39W	0.23	2874.57	1728832.61	253246.22
7740.00	89.70	182.900	5166.74	2960.70S	247.41W	0.29	2970.56	1728827.59	253150.36
7836.00	90.00	183.200	5166.99	3056.57S	252.52W	0.44	3066.55	1728822.48	253054.49
7930.00	91.60	182.100	5165.68	3150.45S	256.87W	2.07	3160.52	1728818.14	252960.61
8026.00	91.50	182.100	5163.08	3246.35S	260.38W	0.10	3256.44	1728814.62	252864.71
8122.00	91.70	181.400	5160.40	3342.27S	263.31W	0.76	3352.35	1728811.69	252768.80
8219.00	90.20	181.200	5158.80	3439.23S	265.52W	1.56	3449.24	1728809.49	252671.84
8312.00	88.80	181.900	5159.61	3532.19S	268.03W	1.68	3542.17	1728806.97	252578.88
8407.00	88.40	181.400	5161.93	3627.12S	270.77W	0.67	3637.07	1728804.24	252483.95
8503.00	88.20	182.200	5164.78	3723.03S	273.78W	0.86	3732.97	1728801.23	252388.04
8599.00	89.40	182.900	5166.79	3818.91S	278.05W	1.45	3828.93	1728796.96	252292.17
8696.00	90.20	183.000	5167.13	3915.78S	283.04W	0.83	3925.92	1728791.96	252195.30
8791.00	89.60	183.400	5167.29	4010.63S	288.34W	0.76	4020.91	1728786.66	252100.45
8886.00	90.60	182.900	5167.13	4105.49S	293.56W	1.18	4115.90	1728781.44	252005.60
8979.00	90.40	182.100	5166.31	4198.39S	297.62W	0.89	4208.88	1728777.39	251912.69
9076.00	89.90	180.800	5166.06	4295.36S	300.08W	1.44	4305.79	1728774.93	251815.73
9170.00	89.20	181.700	5166.80	4389.33S	302.13W	1.21	4399.70	1728772.88	251721.75
9266.00	88.80	181.400	5168.47	4485.28S	304.72W	0.52	4495.61	1728770.28	251625.81
9362.00	88.60	181.700	5170.65	4581.22S	307.32W	0.38	4591.52	1728767.69	251529.87
9435.00	88.20	180.600	5172.69	4654.18S	308.78W	1.60	4664.41	1728766.22	251456.91
9485.00	88.20	180.600	5174.26	4704.15S	309.31W	==>	4714.31	1728765.70	251406.94

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Comments

MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
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