



Standard Wellpath Report
Sandridge
Sec 5 - 34S - 19W, Kansas
Comanche County
Wellbore: Thyme 3419 2-5H (Actual)

Wellbore

Name	Created	Last Revised
Thyme 3419 2-5H (Actual)	10-May-2013	4-Jun-2013

Well

Name	Government ID	Last Revised
Thyme 3419 2-5H		10-May-2013

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Thyme 3419 2-5H	166111.0000	1736380.0000	N37 7 9.6810	W99 24 14.7095	247.99S	1979.94W

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Comanche County	1738360.0000	166359.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 5 - 34S - 19W	1738360.0000	166359.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

Comments
FINAL Surveys; MD 9684 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	1736380.00	166111.00
1148.00	0.71	297.180	1147.97	3.25N	6.33W	0.06	-3.23	1736373.67	166114.25
1424.00	0.80	319.210	1423.95	5.49N	9.11W	0.11	-5.46	1736370.89	166116.49
1885.00	0.71	308.100	1884.91	9.69N	13.46W	0.04	-9.64	1736366.54	166120.69
2265.00	1.10	303.300	2264.86	13.14N	18.36W	0.10	-13.08	1736361.64	166124.14
2740.00	0.80	304.490	2739.79	17.52N	24.90W	0.06	-17.44	1736355.10	166128.52
3214.00	0.40	304.710	3213.77	20.34N	28.99W	0.08	-20.24	1736351.01	166131.34
3689.00	0.31	74.110	3688.76	21.64N	29.12W	0.14	-21.53	1736350.88	166132.64
4164.00	0.40	344.280	4163.76	23.58N	28.33W	0.11	-23.48	1736351.67	166134.58
4354.00	0.31	344.370	4353.75	24.72N	28.65W	0.05	-24.62	1736351.35	166135.72
4386.00	0.31	345.780	4385.75	24.88N	28.69W	0.02	-24.78	1736351.31	166135.89
4417.00	1.19	255.880	4416.75	24.89N	29.03W	3.97	-24.79	1736350.97	166135.89
4449.00	3.00	202.300	4448.73	24.03N	29.67W	7.77	-23.93	1736350.33	166135.03
4481.00	5.61	184.190	4480.64	21.70N	30.10W	9.10	-21.59	1736349.90	166132.70
4512.00	8.22	177.710	4511.41	17.97N	30.12W	8.77	-17.86	1736349.88	166128.97
4544.00	10.69	172.690	4542.97	12.74N	29.65W	8.13	-12.64	1736350.35	166123.74
4576.00	13.08	170.880	4574.29	6.22N	28.70W	7.56	-6.12	1736351.30	166117.22
4607.00	15.38	172.070	4604.33	1.32S	27.58W	7.48	1.41	1736352.42	166109.68
4639.00	17.72	171.410	4635.00	10.34S	26.26W	7.34	10.43	1736353.74	166100.66
4671.00	19.89	173.080	4665.29	20.56S	24.88W	6.99	20.64	1736355.12	166090.44
4702.00	22.18	171.980	4694.23	31.59S	23.43W	7.50	31.67	1736356.57	166079.41
4734.00	23.99	172.200	4723.66	44.01S	21.70W	5.66	44.09	1736358.30	166066.98
4766.00	25.72	172.600	4752.70	57.35S	19.93W	5.43	57.42	1736360.07	166053.65
4797.00	27.62	175.510	4780.40	71.18S	18.50W	7.44	71.25	1736361.50	166039.82
4829.00	29.30	177.180	4808.53	86.40S	17.53W	5.81	86.46	1736362.47	166024.60
4861.00	31.42	178.110	4836.14	102.56S	16.87W	6.79	102.62	1736363.13	166008.44
4892.00	33.01	177.880	4862.37	119.07S	16.29W	5.14	119.13	1736363.71	165991.92
4924.00	34.51	177.880	4888.97	136.84S	15.63W	4.69	136.90	1736364.37	165974.15
4956.00	36.01	177.180	4915.10	155.30S	14.83W	4.85	155.35	1736365.16	165955.70
4987.00	37.30	177.710	4939.97	173.79S	14.01W	4.28	173.83	1736365.99	165937.21
5019.00	39.28	177.180	4965.09	193.59S	13.13W	6.27	193.64	1736366.87	165917.40
5051.00	41.41	178.370	4989.47	214.29S	12.33W	7.08	214.34	1736367.67	165896.70
5082.00	43.39	178.370	5012.36	235.19S	11.73W	6.39	235.23	1736368.27	165875.81
5114.00	44.72	179.070	5035.36	257.43S	11.24W	4.43	257.47	1736368.76	165853.56
5146.00	44.50	178.680	5058.14	279.90S	10.79W	1.10	279.94	1736369.21	165831.09
5177.00	44.41	177.580	5080.27	301.60S	10.09W	2.50	301.63	1736369.91	165809.39
5209.00	44.41	177.880	5103.13	323.97S	9.20W	0.66	324.00	1736370.80	165787.02
5240.00	44.32	177.970	5125.29	345.64S	8.41W	0.35	345.66	1736371.59	165765.35
5272.00	44.32	177.880	5148.19	367.98S	7.61W	0.20	368.00	1736372.39	165743.01
5304.00	44.19	177.800	5171.11	390.29S	6.76W	0.44	390.32	1736373.24	165720.69
5335.00	43.88	177.180	5193.39	411.82S	5.82W	1.71	411.84	1736374.18	165699.17
5367.00	43.70	175.770	5216.49	433.92S	4.46W	3.10	433.94	1736375.54	165677.06
5399.00	43.31	175.370	5239.70	455.89S	2.76W	1.49	455.89	1736377.24	165655.10
5430.00	44.98	176.390	5261.95	477.42S	1.21W	5.85	477.42	1736378.79	165633.57
5462.00	48.52	175.900	5283.87	500.67S	0.36E	11.12	500.67	1736380.36	165610.31
5493.00	52.72	175.370	5303.53	524.56S	2.19E	13.61	524.55	1736382.19	165586.43
5525.00	57.09	175.990	5321.93	550.66S	4.15E	13.75	550.64	1736384.15	165560.32
5557.00	61.11	176.870	5338.36	578.06S	5.86E	12.78	578.03	1736385.86	165532.92
5588.00	64.21	177.880	5352.59	605.56S	7.12E	10.41	605.53	1736387.12	165505.42
5620.00	66.51	179.870	5365.93	634.64S	7.68E	9.14	634.61	1736387.68	165476.34
5652.00	68.98	181.810	5378.05	664.25S	7.25E	9.54	664.22	1736387.25	165446.73
5683.00	71.10	183.700	5388.64	693.35S	5.84E	8.92	693.33	1736385.84	165417.63
5715.00	73.40	182.600	5398.39	723.78S	4.17E	7.90	723.76	1736384.17	165387.20
5747.00	75.78	182.290	5406.89	754.60S	2.85E	7.50	754.58	1736382.85	165356.38
5778.00	78.22	182.470	5413.87	784.77S	1.60E	7.89	784.76	1736381.60	165326.20
5810.00	80.78	181.980	5419.70	816.21S	0.38E	8.14	816.21	1736380.38	165294.76
5828.00	82.28	181.900	5422.35	834.00S	0.22W	8.34	834.00	1736379.78	165276.97
5926.00	87.98	182.380	5430.67	931.54S	3.87W	5.84	931.55	1736376.13	165179.43
6018.00	90.81	181.500	5431.64	1023.47S	6.98W	3.22	1023.49	1736373.01	165087.49
6111.00	92.80	181.500	5428.71	1116.39S	9.42W	2.14	1116.42	1736370.58	164994.57
6203.00	92.18	180.970	5424.71	1208.28S	11.40W	0.89	1208.32	1736368.60	164902.68
6295.00	92.00	180.000	5421.36	1300.22S	12.18W	1.07	1300.25	1736367.82	164810.74
6387.00	91.91	179.070	5418.22	1392.16S	11.43W	1.02	1392.19	1736368.57	164718.80
6478.00	90.10	179.470	5416.62	1483.13S	10.27W	2.04	1483.16	1736369.73	164627.82
6570.00	88.51	179.470	5417.74	1575.12S	9.42W	1.73	1575.14	1736370.58	164535.83
6662.00	89.70	178.900	5419.17	1667.10S	8.11W	1.43	1667.12	1736371.89	164443.85
6754.00	90.99	179.210	5418.62	1759.08S	6.60W	1.44	1759.09	1736373.40	164351.87
6846.00	88.69	179.300	5418.88	1851.07S	5.40W	2.50	1851.07	1736374.60	164259.88
6938.00	88.51	178.900	5421.13	1943.03S	3.95W	0.48	1943.03	1736376.05	164167.91
7030.00	89.62	180.180	5422.63	2035.01S	3.22W	1.84	2035.01	1736376.78	164075.93

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Thyme 3419 2-5H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 180.200 degrees
Bottom hole distance is 4688.65 Feet on azimuth 180.13 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 4-Jun-2013



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 Wellbore: Thyme 3419 2-5H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
7121.00	90.50	180.570	5422.53	2126.01S	3.81W	1.06	2126.01	1736376.19	163984.93
7213.00	91.78	180.480	5420.70	2217.98S	4.65W	1.39	2217.99	1736375.35	163892.95
7305.00	91.30	180.480	5418.23	2309.95S	5.42W	0.52	2309.95	1736374.57	163800.98
7399.00	89.31	180.400	5417.73	2403.94S	6.15W	2.12	2403.94	1736373.85	163706.99
7494.00	89.40	180.790	5418.80	2498.93S	7.13W	0.42	2498.94	1736372.87	163612.00
7589.00	89.48	180.880	5419.73	2593.91S	8.52W	0.13	2593.93	1736371.48	163517.01
7684.00	90.01	180.880	5420.15	2688.90S	9.98W	0.56	2688.92	1736370.02	163422.02
7779.00	89.88	181.280	5420.24	2783.88S	11.77W	0.44	2783.91	1736368.23	163327.03
7874.00	90.99	181.100	5419.52	2878.86S	13.74W	1.18	2878.89	1736366.26	163232.06
7969.00	90.28	180.880	5418.47	2973.84S	15.38W	0.78	2973.87	1736364.62	163137.07
8064.00	90.81	179.870	5417.56	3068.83S	16.00W	1.20	3068.87	1736364.00	163042.08
8159.00	90.50	179.470	5416.48	3163.82S	15.46W	0.53	3163.85	1736364.54	162947.08
8254.00	90.10	180.090	5415.98	3258.82S	15.09W	0.78	3258.85	1736364.91	162852.08
8349.00	88.60	180.970	5417.06	3353.80S	15.97W	1.83	3353.84	1736364.03	162757.10
8444.00	89.62	180.970	5418.53	3448.78S	17.58W	1.07	3448.82	1736362.42	162662.12
8539.00	89.88	180.710	5418.95	3543.77S	18.97W	0.39	3543.81	1736361.03	162567.13
8634.00	90.50	180.000	5418.63	3638.76S	19.56W	0.99	3638.81	1736360.44	162472.13
8729.00	90.50	178.680	5417.80	3733.75S	18.46W	1.39	3733.79	1736361.53	162377.14
8824.00	89.88	179.870	5417.49	3828.74S	17.26W	1.41	3828.78	1736362.74	162282.14
8919.00	89.88	179.690	5417.69	3923.74S	16.90W	0.19	3923.77	1736363.10	162187.14
9013.00	90.50	179.870	5417.37	4017.74S	16.54W	0.69	4017.77	1736363.46	162093.14
9108.00	91.12	179.780	5416.03	4112.73S	16.25W	0.66	4112.76	1736363.75	161998.15
9203.00	89.62	179.600	5415.42	4207.72S	15.73W	1.59	4207.75	1736364.27	161903.15
9298.00	89.48	179.210	5416.16	4302.71S	14.75W	0.44	4302.74	1736365.25	161808.16
9393.00	88.38	178.680	5417.94	4397.68S	13.00W	1.29	4397.70	1736367.00	161713.19
9488.00	90.41	179.470	5418.94	4492.66S	11.46W	2.29	4492.67	1736368.54	161618.21
9635.00	90.81	179.780	5417.38	4639.64S	10.50W	0.34	4639.65	1736369.50	161471.22
9684.00	90.81	179.780	5416.68	4688.64S	10.31W	==>	4688.65	1736369.69	161422.22

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Comments

MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
9684.00	5416.68	4688.64S	10.31W	Projection to Bit @ TD

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