Standard Wellpath Report
Sandridge
Sec 12 - 34S - 20W, Kansas
Comanche County
Wellbore: Sally 3420 2-12H (Actual)

Wellbore

Name	Created	Last Revised
Sally 3420 2-12H (Actual)	22-Apr-2013	10-May-2013

Well

Name	Government ID	Last Revised
Sally 3420 2-12H		22-Apr-2013

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Sally 3420 2-12H	160946.0000	1724718.0000	N37 6 17.4739	W99 26 38.0359	221.99S	2199.93E

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Comanche County	1722518.0000	161168.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 12 - 34S - 20W	1722518.0000	161168.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

Comments

FINAL Surveys
MD 9599 is a projection to bit @ TD

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Sally 3420 2-12H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 182.810 degrees
Bottom hole distance is 4754.84 Feet on azimuth 182.89 degrees from Wellhead
Calculation method uses Minimum Curvature method
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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	1724718.00	160946.00
1243.00	1.19	204.660	1242.91	11.73S	5.39W	0.10	11.98	1724712.61	160934.27
1427.00	1.19	188.750	1426.87	15.36S	6.47W	0.18	15.65	1724711.53	160930.64
1795.00	1.19	202.370	1794.79	22.67S	8.51W	0.08	23.06	1724709.49	160923.33
2270.00	0.88	216.380	2269.72	30.16S	12.55W	0.08	30.74	1724705.45	160915.84
2745.00	0.71	212.060	2744.67	35.59S	16.28W	0.04	36.35	1724701.72	160910.40
3219.00	0.71	224.270	3218.63	40.19S	19.88W	0.03	41.11	1724698.12	160905.81
3693.00	0.80	236.480	3692.59	44.12S	24.69W	0.04	45.27	1724693.31	160901.88
4168.00	0.31	274.550	4167.57	45.85S	28.74W	0.12	47.20	1724689.26	160900.15
4307.00	0.09	223.560	4306.57	45.90S	29.19W	0.19	47.27	1724688.81	160900.10
4327.00	0.31	226.250	4326.57	45.94S	29.24W	1.10	47.32	1724688.76	160900.05
4358.00	1.19	207.740	4357.57	46.29S	29.45W	2.91	47.67	1724688.55	160899.71
4390.00	3.58	199.940	4389.54	47.52S	29.94W	7.52	48.93	1724688.05	160898.48
4422.00	6.10	209.770	4421.42	49.94S	31.13W	8.26	51.40	1724686.87	160896.06
4453.00	8.40	211.580	4452.17	53.30S	33.13W	7.45	54.85	1724684.87	160892.70
4485.00	10.78	211.750	4483.72	57.83S	35.93W	7.44	59.52	1724682.07	160888.17
4517.00	12.59	210.560	4515.06	63.38S	39.28W	5.71	65.23	1724678.72	160882.62
4548.00	14.49	208.980	4545.19	69.68S	42.88W	6.24	71.70	1724675.12	160876.32
4580.00	16.79	207.350	4576.01	77.29S	46.94W	7.32	79.50	1724671.06	160868.71
4612.00	19.18	204.880	4606.44	86.17S	51.28W	7.84	88.58	1724666.72	160859.83
4643.00	20.99	203.560	4635.56	95.88S	55.64W	6.02	98.49	1724662.36	160850.12
4675.00	22.98	202.940	4665.23	106.88S	60.37W	6.26	109.71	1724657.63	160839.11
4707.00	25.19	202.680	4694.44	118.92S	65.43W	6.91	121.98	1724652.57	160827.08
4738.00	27.09	201.840	4722.27	131.56S	70.60W	6.24	134.86	1724647.40	160814.43
4770.00	28.10	201.180	4750.63	145.35S	76.03W	3.30	148.90	1724641.97	160800.64
4801.00	29.78	201.660	4777.75	159.32S	81.51W	5.47	163.12	1724636.49	160786.68
4833.00	31.42	201.440	4805.30	174.47S	87.49W	5.14	178.54	1724630.50	160771.53
4865.00	32.92	200.780	4832.38	190.36S	93.63W	4.81	194.72	1724624.37	160755.63
4896.00	35.31	199.370	4858.05	206.69S	99.59W	8.12	211.32	1724618.41	160739.30
4928.00	37.78	200.340	4883.75	224.61S	106.06W	7.93	229.54	1724611.93	160721.38
4960.00	41.01	200.080	4908.48	243.67S	113.08W	10.11	248.91	1724604.92	160702.33
4991.00	43.88	200.870	4931.35	263.26S	120.40W	9.42	268.85	1724597.60	160682.73
5023.00	47.02	199.940	4953.80	284.63S	128.34W	10.03	290.58	1724589.65	160661.36
5055.00	50.20	200.560	4974.96	307.15S	136.65W	10.04	313.48	1724581.34	160638.84
5086.00	50.91	200.340	4994.65	329.58S	145.02W	2.35	336.29	1724572.98	160616.41
5118.00	50.91	198.840	5014.83	352.98S	153.34W	3.64	360.07	1724564.65	160593.01
5150.00	50.99	199.940	5034.99	376.42S	161.59W	2.68	383.89	1724556.40	160569.57
5181.00	50.82	198.840	5054.54	399.12S	169.58W	2.81	406.95	1724548.41	160546.87
5213.00	50.60	199.550	5074.80	422.51S	177.73W	1.85	430.71	1724540.27	160523.48
5245.00	50.29	199.060	5095.18	445.79S	185.88W	1.53	454.36	1724532.11	160500.19
5276.00	51.08	199.240	5114.82	468.45S	193.75W	2.59	477.38	1724524.24	160477.54
5308.00	54.22	197.260	5134.23	492.60S	201.71W	10.98	501.90	1724516.29	160453.38
5339.00	57.18	197.740	5151.70	517.02S	209.41W	9.63	526.66	1724508.59	160428.96
5371.00	60.10	195.980	5168.35	543.17S	217.32W	10.26	553.17	1724500.67	160402.81
5403.00	62.62	195.140	5183.69	570.23S	224.86W	8.20	580.56	1724493.14	160375.76
5435.00	64.69	193.780	5197.89	597.99S	232.01W	7.51	608.64	1724485.98	160347.99
5466.00	66.90	189.460	5210.61	625.68S	237.70W	14.57	636.57	1724480.30	160320.30
5498.00	68.98	188.970	5222.62	654.95S	242.44W	6.65	666.04	1724475.55	160291.03
5529.00	71.59	186.860	5233.08	683.85S	246.46W	10.58	695.11	1724471.53	160262.12
5561.00	74.11	184.740	5242.52	714.27S	249.54W	10.10	725.64	1724468.45	160231.71
5593.00	76.89	181.480	5250.53	745.20S	251.22W	13.14	756.61	1724466.77	160200.78
5624.00	79.89	181.040	5256.77	775.55S	251.89W	9.78	786.96	1724466.11	160170.42
5667.00	84.31	178.750	5262.68	818.13S	251.80W	11.55	829.49	1724466.19	160127.84
5734.00	87.01	178.260	5267.75	884.91S	250.06W	4.10	896.10	1724467.93	160061.06
5828.00	88.20	178.040	5271.68	978.78S	247.03W	1.29	989.70	1724470.96	159967.19
5919.00	90.10	178.350	5273.03	1069.72S	244.16W	2.12	1080.40	1724473.83	159876.25
6011.00	90.90	179.280	5272.22	1161.69S	242.26W	1.33	1172.17	1724475.73	159784.27
6102.00	91.30	179.280	5270.48	1252.67S	241.12W	0.44	1262.98	1724476.88	159693.29
6194.00	91.78	179.060	5268.00	1344.62S	239.78W	0.57	1354.76	1724478.21	159601.33
6286.00	90.59	179.670	5266.10	1436.60S	238.76W	1.45	1446.57	1724479.23	159509.36
6378.00	89.70	179.140	5265.87	1528.59S	237.81W	1.13	1538.41	1724480.18	159417.36
6469.00	90.50	179.280	5265.71	1619.58S	236.55W	0.89	1629.23	1724481.44	159326.37
6560.00	90.19	179.670	5265.16	1710.57S	235.72W	0.55	1720.07	1724482.27	159235.37
6652.00	89.48	179.060	5265.43	1802.57S	234.70W	1.02	1811.90	1724483.29	159143.37
6743.00	89.48	178.970	5266.25	1893.55S	233.14W	0.10	1902.70	1724484.86	159052.39
6836.00	89.79	179.670	5266.84	1986.54S	232.03W	0.82	1995.52	1724485.96	158959.39
6928.00	90.19	178.750	5266.86	2078.53S	230.76W	1.09	2087.34	1724487.23	158867.40
7020.00	90.72	180.160	5266.13	2170.52S	229.89W	1.64	2179.18	1724488.10	158775.41
7112.00	90.28	178.970	5265.33	2262.51S	229.19W	1.38	2271.03	1724488.80	158683.41
7207.00	90.41	179.540	5264.76	2357.50S	227.96W	0.62	2365.84	1724490.04	158588.42

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Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Sally 3420 2-12H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 182.810 degrees
Bottom hole distance is 4754.84 Feet on azimuth 182.89 degrees from Wellhead
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Wellbore: Sally 3420 2-12H (Actual)

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MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
7302.00	90.19	178.260	5264.26	2452.48S	226.13W	1.37	2460.62	1724491.86	158493.43
7397.00	90.01	179.140	5264.09	2547.46S	223.98W	0.95	2555.37	1724494.02	158398.46
7492.00	90.28	180.360	5263.85	2642.45S	223.56W	1.32	2650.23	1724494.43	158303.46
7587.00	90.19	180.860	5263.46	2737.45S	224.57W	0.53	2745.16	1724493.42	158208.46
7682.00	88.69	181.740	5264.39	2832.41S	226.73W	1.83	2840.12	1724491.26	158113.49
7776.00	89.00	181.350	5266.29	2926.36S	229.26W	0.53	2934.08	1724488.73	158019.54
7871.00	89.31	180.070	5267.69	3021.34S	230.44W	1.39	3029.00	1724487.55	157924.56
7966.00	89.70	180.160	5268.51	3116.34S	230.63W	0.42	3123.90	1724487.36	157829.56
8061.00	90.28	179.450	5268.52	3211.34S	230.31W	0.97	3218.76	1724487.68	157734.56
8156.00	90.50	179.850	5267.88	3306.33S	229.73W	0.48	3313.62	1724488.27	157639.56
8251.00	89.48	179.670	5267.89	3401.33S	229.33W	1.09	3408.48	1724488.66	157544.56
8346.00	90.10	181.040	5268.24	3496.32S	229.92W	1.58	3503.39	1724488.07	157449.56
8441.00	89.09	179.760	5268.91	3591.32S	230.58W	1.72	3598.30	1724487.41	157354.56
8536.00	90.28	179.760	5269.44	3686.31S	230.18W	1.25	3693.16	1724487.81	157259.56
8631.00	92.00	179.670	5267.55	3781.29S	229.71W	1.81	3788.00	1724488.28	157164.58
8726.00	90.99	179.850	5265.07	3876.25S	229.31W	1.08	3882.83	1724488.68	157069.61
8820.00	91.91	179.450	5262.69	3970.22S	228.74W	1.07	3976.66	1724489.25	156975.64
8915.00	89.79	180.160	5261.28	4065.20S	228.42W	2.35	4071.51	1724489.58	156880.66
9010.00	89.00	181.660	5262.28	4160.18S	229.92W	1.78	4166.45	1724488.07	156785.68
9105.00	89.00	179.670	5263.94	4255.16S	231.03W	2.09	4261.37	1724486.97	156690.70
9200.00	88.29	179.450	5266.19	4350.13S	230.30W	0.78	4356.19	1724487.69	156595.73
9295.00	91.38	181.740	5266.46	4445.10S	231.28W	4.05	4451.10	1724486.71	156500.75
9390.00	89.22	182.450	5265.96	4540.03S	234.76W	2.39	4546.08	1724483.24	156405.81
9485.00	87.50	181.480	5268.68	4634.93S	238.01W	2.08	4641.03	1724479.98	156310.91
9551.00	87.10	180.780	5271.79	4700.85S	239.31W	1.22	4706.93	1724478.68	156244.99
9599.00	87.10	180.780	5274.22	4748.78S	239.97W	==>	4754.84	1724478.03	156197.06

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MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
9599.00	5274.22	4748.78S	239.97W	Projection to bit @ TD

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