



Standard Wellpath Report
 Sandridge
 Sec 2 - 35S - 10W, Kansas
 Barber County
 Wellbore: William 3510 2-11H (Actual)

Wellbore

Name	Created	Last Revised
William 3510 2-11H (Actual)	17-Oct-2012	14-Jan-2013

Well

Name	Government ID	Last Revised
William 3510 2-11H		17-Oct-2012

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
William 3510 2-11H	129417.0000	2038266.0000	N37 1 19.2554	W98 22 8.1820	188.99N	1029.94W

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Barber County	2039296.0000	129228.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 2 - 35S - 10W	2039296.0000	129228.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

Comments
FINAL surveys MD 9639 is a projection to bit @ TD



Standard Wellpath Report
 Sandridge
 Sec 2 - 35S - 10W, Kansas
 Barber County
 Wellbore: William 3510 2-11H (Actual)

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	2038266.00	129417.00
969.00	0.40	260.500	968.99	0.56S	3.34W	0.04	0.28	2038262.66	129416.44
1062.00	0.40	252.000	1061.99	0.71S	3.96W	0.06	0.39	2038262.03	129416.29
1154.00	0.40	276.200	1153.99	1.153.99	0.78S	4.59W	0.18	2038261.41	129416.22
1623.00	0.30	188.300	1622.98	1.81S	6.39W	0.10	1.29	2038259.61	129415.19
2098.00	0.60	194.100	2097.97	5.46S	7.18W	0.06	4.85	2038258.82	129411.54
2574.00	0.50	150.600	2573.95	9.68S	6.77W	0.09	9.10	2038259.23	129407.32
3049.00	0.60	138.600	3048.92	13.36S	4.11W	0.03	12.98	2038261.89	129403.64
3524.00	0.30	179.200	3523.91	16.46S	2.44W	0.09	16.21	2038263.56	129400.53
3810.00	0.50	112.300	3809.90	17.69S	1.28W	0.16	17.52	2038264.72	129399.31
3872.00	2.80	129.400	3871.88	18.75S	0.14E	3.75	18.70	2038266.14	129398.25
3904.00	5.00	131.500	3903.80	20.17S	1.79E	6.89	20.25	2038267.79	129396.83
3936.00	6.60	135.100	3935.63	22.40S	4.13E	5.13	22.66	2038270.13	129394.60
3968.00	8.40	139.600	3967.36	25.48S	6.95E	5.91	25.96	2038272.95	129391.52
3999.00	10.10	142.600	3997.96	29.36S	10.07E	5.70	30.09	2038276.07	129387.63
4032.00	12.10	144.600	4030.34	34.48S	13.83E	6.17	35.50	2038279.83	129382.52
4064.00	13.30	146.800	4061.55	40.30S	17.79E	4.04	41.61	2038283.79	129376.70
4097.00	14.40	146.700	4093.59	46.90S	22.12E	3.33	48.55	2038288.12	129370.09
4127.00	15.60	145.500	4122.57	53.35S	26.45E	4.13	55.33	2038292.45	129363.65
4159.00	17.00	145.200	4153.28	60.73S	31.56E	4.38	63.11	2038297.56	129356.26
4191.00	18.20	145.300	4183.79	68.68S	37.07E	3.75	71.48	2038303.07	129348.31
4222.00	19.80	145.400	4213.10	76.99S	42.81E	5.16	80.22	2038308.81	129340.01
4254.00	22.00	144.700	4242.99	86.34S	49.35E	6.92	90.08	2038315.35	129330.66
4285.00	24.70	144.600	4271.45	96.36S	56.46E	8.71	100.65	2038322.46	129320.63
4317.00	27.80	145.000	4300.14	107.93S	64.62E	9.70	112.84	2038330.62	129309.07
4349.00	30.70	146.200	4328.06	120.83S	73.44E	9.25	126.42	2038339.45	129296.16
4380.00	32.90	147.000	4354.41	134.47S	82.43E	7.23	140.74	2038348.44	129282.52
4412.00	34.00	146.000	4381.10	149.17S	92.17E	3.84	156.20	2038358.17	129267.82
4444.00	36.60	145.400	4407.22	164.45S	102.59E	8.20	172.27	2038368.59	129252.54
4476.00	39.90	145.400	4432.35	180.75S	113.84E	10.31	189.44	2038379.84	129236.24
4507.00	42.70	146.300	4455.63	197.68S	125.32E	9.23	207.25	2038391.32	129219.30
4539.00	44.60	147.500	4478.79	216.19S	137.38E	6.48	226.68	2038403.38	129200.80
4571.00	45.30	149.000	4501.43	235.41S	149.27E	3.97	246.81	2038415.28	129181.57
4602.00	46.70	150.000	4522.97	254.63S	160.59E	5.08	266.88	2038426.59	129162.36
4634.00	49.50	149.700	4544.34	275.22S	172.55E	8.78	288.38	2038438.56	129141.76
4666.00	52.20	150.100	4564.54	296.69S	184.99E	8.49	310.79	2038451.00	129120.30
4698.00	52.40	150.500	4584.11	318.68S	197.54E	1.17	333.74	2038463.55	129098.30
4762.00	52.00	149.800	4623.33	362.54S	222.70E	1.07	379.50	2038488.72	129054.44
4854.00	52.60	150.000	4679.59	425.52S	259.21E	0.67	445.25	2038525.22	128991.46
4888.00	55.60	151.900	4699.53	449.59S	272.57E	9.92	470.33	2038538.59	128967.38
4920.00	57.90	153.800	4717.07	473.41S	284.78E	8.74	495.06	2038550.79	128943.57
4951.00	61.00	153.600	4732.83	497.34S	296.61E	10.02	519.88	2038562.62	128919.64
4983.00	63.80	155.100	4747.65	522.90S	308.88E	9.69	546.36	2038574.89	128894.07
5014.00	66.30	157.000	4760.73	548.58S	320.28E	9.79	572.89	2038586.30	128868.39
5046.00	68.90	158.600	4772.92	575.97S	331.45E	9.35	601.10	2038597.47	128840.99
5078.00	71.60	161.500	4783.74	604.28S	341.72E	12.00	630.15	2038607.74	128812.69
5109.00	73.80	164.900	4792.96	632.61S	350.27E	12.65	659.08	2038616.29	128784.36
5141.00	75.40	168.700	4801.46	662.64S	357.31E	12.49	689.58	2038623.33	128754.32
5173.00	76.70	172.700	4809.18	693.28S	362.32E	12.79	720.53	2038628.34	128723.68
5205.00	79.60	175.500	4815.75	724.43S	365.54E	12.47	751.83	2038631.56	128692.53
5236.00	82.70	177.300	4820.52	754.99S	367.46E	11.53	782.46	2038633.48	128661.97
5268.00	85.70	180.000	4823.75	786.81S	368.21E	12.58	814.23	2038634.23	128630.14
5300.00	88.60	182.100	4825.34	818.76S	367.62E	11.18	846.03	2038633.64	128598.19
5320.00	89.70	182.800	4825.64	838.74S	366.76E	6.52	865.87	2038632.78	128578.21
5365.00	90.70	182.400	4825.48	883.69S	364.72E	2.39	910.51	2038630.74	128533.26
5455.00	91.40	182.300	4823.83	973.60S	361.03E	0.79	999.81	2038627.05	128443.34
5548.00	90.30	182.000	4822.45	1066.53S	357.54E	1.23	1092.14	2038623.56	128350.42
5642.00	90.20	181.100	4822.04	1160.49S	355.00E	0.96	1185.58	2038621.02	128256.45
5735.00	89.30	180.900	4822.45	1253.47S	353.38E	0.99	1278.13	2038619.40	128163.46
5828.00	89.90	180.500	4823.10	1346.46S	352.24E	0.78	1370.71	2038618.26	128070.46
5920.00	89.90	180.100	4823.26	1438.46S	351.76E	0.43	1462.37	2038617.78	127978.46
6012.00	90.40	180.400	4823.02	1530.46S	351.36E	0.63	1554.02	2038617.38	127886.46
6105.00	89.40	179.700	4823.18	1623.46S	351.28E	1.31	1646.71	2038617.30	127793.45
6196.00	89.50	178.800	4824.05	1714.45S	352.47E	1.00	1737.49	2038618.49	127702.46
6289.00	90.00	179.000	4824.46	1807.43S	354.26E	0.58	1830.30	2038620.27	127609.47
6381.00	90.40	179.400	4824.14	1899.42S	355.54E	0.61	1922.09	2038621.56	127517.48
6473.00	90.20	179.600	4823.66	1991.41S	356.34E	0.31	2013.85	2038622.36	127425.48
6566.00	90.20	179.500	4823.33	2084.41S	357.07E	0.11	2106.59	2038623.09	127332.48
6661.00	90.10	180.400	4823.08	2179.41S	357.16E	0.95	2201.28	2038623.18	127237.47
6755.00	90.10	179.200	4822.92	2273.41S	357.48E	1.28	2294.99	2038623.50	127143.47

All data is in Feet unless otherwise stated
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (William 3510 2-11H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 175.320 degrees
 Bottom hole distance is 5171.85 Feet on azimuth 175.39 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 14-Jan-2013



Standard Wellpath Report
 Sandridge
 Sec 2 - 35S - 10W, Kansas
 Barber County
 Wellbore: William 3510 2-11H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
6851.00	89.70	177.100	4823.09	2369.35S	360.58E	2.23	2390.87	2038626.60	127047.52
6946.00	90.00	176.900	4823.34	2464.22S	365.55E	0.38	2485.83	2038631.58	126952.65
7042.00	89.20	177.100	4824.01	2560.08S	370.58E	0.86	2581.78	2038636.60	126856.78
7137.00	89.50	177.100	4825.08	2654.96S	375.39E	0.32	2676.73	2038641.41	126761.90
7233.00	89.20	176.900	4826.17	2750.82S	380.41E	0.38	2772.68	2038646.43	126666.03
7328.00	89.20	176.900	4827.50	2845.67S	385.55E	==>	2867.64	2038651.57	126571.17
7423.00	89.50	177.500	4828.58	2940.55S	390.19E	0.71	2962.58	2038656.21	126476.29
7518.00	88.80	177.400	4829.99	3035.44S	394.41E	0.74	3057.50	2038660.43	126381.39
7613.00	90.70	178.200	4830.40	3130.37S	398.06E	2.17	3152.41	2038664.08	126286.46
7708.00	88.90	177.600	4830.73	3225.30S	401.54E	2.00	3247.31	2038667.56	126191.52
7803.00	88.50	178.100	4832.89	3320.21S	405.10E	0.67	3342.19	2038671.13	126096.61
7899.00	90.40	178.100	4833.81	3416.15S	408.29E	1.98	3438.07	2038674.31	126000.67
7994.00	90.20	179.000	4833.31	3511.11S	410.69E	0.97	3532.92	2038676.71	125905.69
8089.00	88.40	179.100	4834.47	3606.09S	412.26E	1.90	3627.70	2038678.29	125810.71
8120.00	89.40	179.900	4835.07	3637.08S	412.53E	4.13	3658.61	2038678.56	125779.72
8152.00	91.20	180.700	4834.90	3669.08S	412.37E	6.16	3690.49	2038678.39	125747.72
8183.00	91.30	180.800	4834.22	3700.07S	411.96E	0.46	3721.35	2038677.98	125716.73
8216.00	91.40	180.900	4833.45	3733.06S	411.47E	0.43	3754.18	2038677.49	125683.74
8247.00	91.50	180.700	4832.66	3764.04S	411.04E	0.72	3785.03	2038677.06	125652.75
8279.00	91.50	180.700	4831.82	3796.03S	410.65E	==>	3816.88	2038676.67	125620.76
8311.00	91.50	180.600	4830.99	3828.02S	410.29E	0.31	3848.73	2038676.31	125588.77
8374.00	91.10	180.600	4829.56	3891.00S	409.63E	0.63	3911.45	2038675.65	125525.79
8468.00	91.20	181.000	4827.67	3984.97S	408.31E	0.44	4005.00	2038674.34	125431.81
8563.00	91.10	180.400	4825.76	4079.94S	407.15E	0.64	4099.56	2038673.18	125336.83
8658.00	90.80	180.900	4824.19	4174.92S	406.08E	0.61	4194.14	2038672.10	125241.85
8753.00	90.80	181.000	4822.86	4269.90S	404.50E	0.11	4288.67	2038670.52	125146.86
8848.00	90.00	181.000	4822.20	4364.88S	402.84E	0.84	4383.20	2038668.87	125051.88
8943.00	90.60	182.100	4821.70	4459.85S	400.27E	1.32	4477.63	2038666.30	124956.91
9039.00	91.00	181.000	4820.36	4555.80S	397.68E	1.22	4573.06	2038663.70	124860.95
9135.00	91.10	179.400	4818.60	4651.78S	397.34E	1.67	4668.69	2038663.36	124764.96
9229.00	90.20	178.200	4817.54	4745.75S	399.31E	1.60	4762.51	2038665.33	124670.99
9325.00	90.80	178.500	4816.70	4841.71S	402.07E	0.70	4858.37	2038668.10	124575.03
9420.00	91.10	177.500	4815.12	4936.63S	405.39E	1.10	4953.25	2038671.41	124480.09
9515.00	92.70	177.500	4811.97	5031.49S	409.53E	1.68	5048.13	2038675.55	124385.23
9591.00	93.60	177.100	4807.80	5107.29S	413.11E	1.30	5123.97	2038679.13	124309.43
9639.00	93.60	177.100	4804.78	5155.13S	415.53E	==>	5171.85	2038681.55	124261.58

All data is in Feet unless otherwise stated
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (William 3510 2-11H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 175.320 degrees
 Bottom hole distance is 5171.85 Feet on azimuth 175.39 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 14-Jan-2013



Standard Wellpath Report
Sandridge
Sec 2 - 35S - 10W, Kansas
Barber County
Wellbore: William 3510 2-11H (Actual)

Comments

MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
9639.00	4804.78	5155.13S	415.53E	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 (William 3510 2-11H 0.00ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 175.320 degrees
Bottom hole distance is 5171.85 Feet on azimuth 175.39 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 14-Jan-2013