



Standard Wellpath Report  
Sandridge  
Sec 18 - 21S - 23W, Kansas  
Hodgeman County  
Wellbore: Stairrett 1-18H (Actual)

**Wellbore**

Name	Created	Last Revised
Stairrett 1-18H (Actual)	30-Apr-2012	25-May-2012

**Well**

Name	Government ID	Last Revised
Stairrett 1-18H		30-Apr-2012

**Slot**

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Stairrett 1-18H	1880720.0000	910524.0000	N38 13 9.6541	W99 53 55.2394	195.01N	252.01E

**Installation**

Name	Easting	Northing	Coord System Name	North Alignment
Hodgeman County	910272.0000	1880525.0001	KS83-SF on NORTH AMERICAN DATUM 1983 datum	Grid

**Field**

Name	Easting	Northing	Coord System Name	North Alignment
Sec 18 - 21S - 23W	910272.0000	1880525.0001	KS83-SF on NORTH AMERICAN DATUM 1983 datum	Grid

Created By

Comments
FINAL Surveys MD 8845 is a projection to bit @ TD



Standard Wellpath Report  
 Sandridge  
 Sec 18 - 21S - 23W, Kansas  
 Hodgeman County  
 Wellbore: Stairrett 1-18H (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	910524.00	1880720.00
859.00	0.60	337.500	858.98	4.16N	1.72W	0.07	4.08	910522.28	1880724.16
1043.00	0.50	4.400	1042.98	5.85N	2.03W	0.15	5.76	910521.97	1880725.85
1500.00	0.80	333.900	1499.95	10.70N	3.28W	0.10	10.55	910520.72	1880730.70
1976.00	0.80	292.200	1975.90	14.94N	7.82W	0.12	14.60	910516.18	1880734.94
2453.00	0.30	313.200	2452.88	17.05N	11.81W	0.11	16.55	910512.19	1880737.05
2929.00	1.10	305.700	2928.84	20.57N	16.43W	0.17	19.87	910507.57	1880740.57
3406.00	1.10	284.800	3405.76	24.41N	24.57W	0.08	23.37	910499.43	1880744.41
3501.00	0.90	293.500	3500.74	24.94N	26.14W	0.26	23.84	910497.86	1880744.94
3565.00	1.10	278.300	3564.73	25.23N	27.21W	0.52	24.08	910496.79	1880745.23
3597.00	1.20	300.400	3596.73	25.45N	27.80W	1.41	24.27	910496.20	1880745.44
3628.00	2.50	334.500	3627.71	26.22N	28.37W	5.32	25.02	910495.63	1880746.22
3660.00	4.60	348.800	3659.65	28.11N	28.92W	7.07	26.89	910495.08	1880748.11
3692.00	6.20	354.300	3691.50	31.09N	29.34W	5.25	29.84	910494.66	1880751.09
3724.00	8.10	357.200	3723.25	35.06N	29.63W	6.04	33.80	910494.38	1880755.06
3755.00	10.20	359.100	3753.86	39.99N	29.78W	6.84	38.72	910494.23	1880759.98
3787.00	12.60	2.800	3785.23	46.31N	29.65W	7.84	45.04	910494.35	1880766.30
3819.00	14.80	6.200	3816.31	53.86N	29.04W	7.32	52.61	910494.96	1880773.85
3851.00	16.50	9.500	3847.13	62.40N	27.85W	5.99	61.19	910496.16	1880782.40
3882.00	18.20	12.000	3876.72	71.48N	26.11W	5.99	70.34	910497.89	1880791.48
3914.00	20.10	11.500	3906.94	81.76N	23.98W	5.96	80.69	910500.02	1880801.75
3946.00	21.70	11.200	3936.84	92.95N	21.73W	5.01	91.97	910502.27	1880812.94
3977.00	23.80	12.000	3965.42	104.69N	19.32W	6.85	103.80	910504.68	1880824.69
4009.00	26.10	12.000	3994.44	117.89N	16.51W	7.19	117.11	910507.49	1880837.89
4041.00	28.60	11.100	4022.86	132.30N	13.57W	7.92	131.62	910510.43	1880852.29
4073.00	30.90	11.400	4050.64	147.87N	10.47W	7.20	147.31	910513.53	1880867.86
4105.00	32.90	12.100	4077.80	164.42N	7.03W	6.36	163.99	910516.97	1880884.42
4136.00	35.10	11.800	4103.50	181.38N	3.44W	7.12	181.08	910520.56	1880901.37
4168.00	37.50	11.700	4129.29	199.93N	0.42E	7.50	199.77	910524.42	1880919.92
4200.00	39.50	11.900	4154.33	219.43N	4.49E	6.26	219.42	910528.49	1880939.42
4232.00	41.70	11.300	4178.63	239.83N	8.68E	6.98	239.98	910532.68	1880959.81
4263.00	43.90	11.300	4201.37	260.48N	12.80E	7.10	260.79	910536.80	1880980.46
4295.00	46.40	11.400	4223.94	282.72N	17.27E	7.82	283.19	910541.27	1881002.70
4327.00	48.80	11.700	4245.51	305.87N	22.00E	7.53	306.52	910546.00	1881025.85
4359.00	49.70	12.300	4266.40	329.58N	27.04E	3.15	330.42	910551.04	1881049.56
4390.00	49.70	12.100	4286.45	352.69N	32.04E	0.49	353.71	910556.04	1881072.67
4422.00	49.60	12.000	4307.17	376.54N	37.13E	0.39	377.76	910561.13	1881096.52
4454.00	49.30	12.000	4327.97	400.32N	42.18E	0.94	401.73	910566.18	1881120.30
4486.00	49.10	12.200	4348.88	424.01N	47.26E	0.78	425.60	910571.26	1881143.99
4517.00	49.00	11.900	4369.20	446.91N	52.15E	0.80	448.68	910576.15	1881166.88
4549.00	49.20	11.300	4390.15	470.60N	57.01E	1.55	472.56	910581.01	1881190.58
4581.00	52.10	10.600	4410.44	494.89N	61.71E	9.22	497.02	910585.71	1881214.87
4613.00	55.30	9.700	4429.38	520.28N	66.25E	10.25	522.57	910590.25	1881240.25
4644.00	58.80	9.200	4446.24	545.93N	70.52E	11.37	548.39	910594.51	1881265.90
4676.00	62.40	9.700	4461.95	573.43N	75.10E	11.33	576.05	910599.09	1881293.40
4708.00	64.80	9.800	4476.17	601.67N	79.95E	7.51	604.47	910603.95	1881321.64
4740.00	67.20	9.700	4489.19	630.48N	84.90E	7.51	633.46	910608.90	1881350.45
4772.00	69.60	10.000	4500.97	659.80N	89.99E	7.55	662.96	910613.99	1881379.76
4803.00	73.40	9.200	4510.80	688.78N	94.89E	12.50	692.12	910618.88	1881408.74
4835.00	76.90	9.400	4519.00	719.30N	99.89E	10.95	722.82	910623.88	1881439.26
4867.00	79.50	9.200	4525.55	750.21N	104.95E	8.15	753.91	910628.94	1881470.17
4899.00	81.70	9.200	4530.77	781.37N	110.00E	6.88	785.26	910633.99	1881501.33
4930.00	84.20	9.400	4534.58	811.73N	114.97E	8.09	815.79	910638.96	1881531.68
4955.00	86.10	8.800	4536.69	836.32N	118.91E	7.97	840.53	910642.90	1881556.28
4989.00	86.90	7.700	4538.77	869.91N	123.78E	4.00	874.29	910647.77	1881589.86
5020.00	87.20	7.900	4540.36	900.58N	127.98E	1.16	905.11	910651.97	1881620.53
5050.00	87.10	8.000	4541.85	930.25N	132.12E	0.47	934.93	910656.12	1881650.21
5081.00	86.80	7.100	4543.50	960.94N	136.19E	3.06	965.76	910660.18	1881680.89
5112.00	87.20	6.300	4545.13	991.69N	139.80E	2.88	996.63	910663.79	1881711.64
5143.00	88.10	5.100	4546.40	1022.51N	142.88E	4.84	1027.55	910666.87	1881742.45
5174.00	87.30	3.100	4547.64	1053.40N	145.09E	6.94	1058.51	910669.09	1881773.35
5205.00	87.20	1.200	4549.13	1084.34N	146.25E	6.13	1089.47	910670.25	1881804.29
5267.00	88.50	1.600	4551.45	1146.28N	147.77E	2.19	1151.42	910671.76	1881866.22
5298.00	88.30	1.600	4552.32	1177.25N	148.63E	0.65	1182.40	910672.63	1881897.19
5359.00	88.80	1.700	4553.86	1238.21N	150.39E	0.84	1243.38	910674.38	1881958.15
5421.00	90.00	1.500	4554.51	1300.18N	152.12E	1.96	1305.37	910676.11	1882020.11
5452.00	90.50	1.600	4554.38	1331.17N	152.96E	1.64	1336.36	910676.95	1882051.10
5482.00	90.60	1.300	4554.09	1361.16N	153.72E	1.05	1366.36	910677.71	1882081.09
5544.00	91.00	1.200	4553.22	1423.14N	155.07E	0.67	1428.34	910679.06	1882143.06
5605.00	89.70	1.800	4552.85	1484.11N	156.67E	2.35	1489.33	910680.66	1882204.04

All data is in Feet unless otherwise stated  
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Stairrett 1-18H 0.00ft above Mean Sea Level )  
 Vertical Section is from 0.00N 0.00E on azimuth 2.380 degrees  
 Bottom hole distance is 4728.19 Feet on azimuth 2.76 degrees from Wellhead  
 Calculation method uses Minimum Curvature method  
 Prepared by  
 Date Printed: 25-May-2012



Standard Wellpath Report  
 Sandridge  
 Sec 18 - 21S - 23W, Kansas  
 Hodgeman County  
 Wellbore: Stairrett 1-18H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
5636.00	89.80	2.100	4552.99	1515.10N	157.72E	1.02	1520.33	910681.71	1882235.02
5697.00	90.30	1.900	4552.93	1576.06N	159.85E	0.88	1581.33	910683.84	1882295.98
5728.00	90.30	1.700	4552.77	1607.04N	160.82E	0.65	1612.33	910684.82	1882326.96
5790.00	90.90	2.000	4552.12	1669.01N	162.83E	1.08	1674.32	910686.82	1882388.92
5851.00	90.50	1.800	4551.38	1729.97N	164.85E	0.73	1735.31	910688.84	1882449.88
5913.00	90.60	1.800	4550.78	1791.93N	166.80E	0.16	1797.31	910690.79	1882511.84
5975.00	90.30	1.500	4550.29	1853.91N	168.58E	0.68	1859.30	910692.57	1882573.81
6005.00	89.60	1.000	4550.32	1883.90N	169.24E	2.87	1889.29	910693.23	1882603.80
6069.00	89.80	1.200	4550.66	1947.89N	170.46E	0.44	1953.28	910694.45	1882667.78
6101.00	90.10	1.000	4550.68	1979.88N	171.08E	1.13	1985.27	910695.07	1882699.78
6165.00	90.40	0.600	4550.40	2043.87N	171.97E	0.78	2049.24	910695.96	1882763.77
6196.00	90.00	0.200	4550.30	2074.87N	172.19E	1.82	2080.23	910696.18	1882794.76
6260.00	90.60	0.400	4549.96	2138.87N	172.52E	0.99	2144.18	910696.51	1882858.76
6292.00	90.50	0.300	4549.65	2170.87N	172.72E	0.44	2176.16	910696.71	1882890.75
6324.00	90.70	0.600	4549.32	2202.87N	172.97E	1.13	2208.14	910696.96	1882922.75
6389.00	89.60	0.800	4549.15	2267.86N	173.76E	1.72	2273.11	910697.75	1882987.74
6453.00	89.40	0.800	4549.71	2331.85N	174.66E	0.31	2337.09	910698.65	1883051.73
6516.00	89.70	0.800	4550.20	2394.84N	175.54E	0.48	2400.06	910699.53	1883114.72
6548.00	90.00	0.600	4550.29	2426.84N	175.93E	1.13	2432.05	910699.92	1883146.71
6612.00	90.50	0.400	4550.01	2490.84N	176.49E	0.84	2496.01	910700.48	1883210.71
6644.00	90.50	0.300	4549.73	2522.83N	176.68E	0.31	2527.99	910700.67	1883242.70
6708.00	91.10	0.200	4548.83	2586.83N	176.96E	0.95	2591.94	910700.95	1883306.69
6772.00	90.20	360.000	4548.11	2650.82N	177.07E	1.44	2655.88	910701.06	1883370.68
6835.00	89.00	359.700	4548.55	2713.82N	176.91E	1.96	2718.82	910700.90	1883433.68
6899.00	89.30	359.700	4549.50	2777.81N	176.57E	0.47	2782.74	910700.56	1883497.67
6931.00	89.70	359.500	4549.78	2809.81N	176.35E	1.40	2814.70	910700.34	1883529.66
6995.00	90.80	0.900	4549.50	2873.81N	176.57E	2.78	2878.66	910700.56	1883593.66
7059.00	89.90	0.800	4549.11	2937.80N	177.52E	1.41	2942.63	910701.51	1883657.64
7122.00	88.40	0.200	4550.04	3000.79N	178.07E	2.56	3005.59	910702.06	1883720.63
7186.00	88.60	0.100	4551.72	3064.76N	178.24E	0.35	3069.52	910702.23	1883784.60
7250.00	89.20	360.000	4552.94	3128.75N	178.30E	0.95	3133.45	910702.29	1883848.59
7314.00	90.30	0.800	4553.22	3192.75N	178.74E	2.13	3197.41	910702.73	1883912.58
7378.00	90.30	2.000	4552.89	3256.73N	180.31E	1.87	3261.40	910704.30	1883976.56
7441.00	90.70	1.900	4552.34	3319.69N	182.45E	0.65	3324.40	910706.44	1884039.51
7505.00	91.70	2.100	4551.00	3383.63N	184.68E	1.59	3388.38	910708.67	1884103.46
7569.00	91.50	3.000	4549.21	3447.54N	187.53E	1.44	3452.35	910711.52	1884167.36
7633.00	90.30	2.900	4548.21	3511.45N	190.82E	1.88	3516.34	910714.81	1884231.27
7665.00	90.30	2.800	4548.04	3543.41N	192.41E	0.31	3548.34	910716.40	1884263.23
7697.00	89.70	2.500	4548.04	3575.38N	193.89E	2.10	3580.34	910717.88	1884295.19
7729.00	89.20	1.600	4548.35	3607.35N	195.04E	3.22	3612.34	910719.03	1884327.17
7761.00	89.30	1.000	4548.76	3639.34N	195.76E	1.90	3644.33	910719.75	1884359.15
7792.00	89.40	1.100	4549.12	3670.34N	196.33E	0.46	3675.32	910720.32	1884390.14
7856.00	90.20	0.900	4549.34	3734.33N	197.45E	1.29	3739.30	910721.44	1884454.13
7888.00	90.80	1.200	4549.06	3766.32N	198.03E	2.10	3771.29	910722.02	1884486.12
7952.00	90.60	1.500	4548.28	3830.30N	199.54E	0.56	3835.27	910723.53	1884550.10
7984.00	90.70	1.900	4547.92	3862.28N	200.49E	1.29	3867.27	910724.48	1884582.08
8016.00	90.00	2.400	4547.72	3894.26N	201.69E	2.69	3899.27	910725.68	1884614.05
8080.00	89.20	2.100	4548.17	3958.20N	204.20E	1.33	3963.27	910728.19	1884678.00
8112.00	89.00	1.500	4548.67	3990.18N	205.21E	1.98	3995.26	910729.20	1884709.98
8176.00	89.50	1.900	4549.51	4054.15N	207.11E	1.00	4059.25	910731.10	1884773.94
8208.00	89.70	1.700	4549.73	4086.13N	208.11E	0.88	4091.25	910732.10	1884805.92
8239.00	89.60	1.500	4549.92	4117.12N	208.98E	0.72	4122.25	910732.97	1884836.91
8303.00	90.10	1.600	4550.09	4181.10N	210.71E	0.80	4186.24	910734.70	1884900.88
8335.00	90.40	2.000	4549.95	4213.08N	211.71E	1.56	4218.24	910735.70	1884932.86
8367.00	91.30	1.900	4549.47	4245.06N	212.80E	2.83	4250.23	910736.79	1884964.84
8399.00	91.60	1.300	4548.66	4277.04N	213.70E	2.10	4282.22	910737.69	1884996.81
8431.00	90.60	1.000	4548.05	4309.02N	214.34E	3.26	4314.20	910738.33	1885028.80
8495.00	88.90	1.800	4548.33	4373.00N	215.90E	2.94	4378.19	910739.89	1885092.77
8559.00	89.10	1.600	4549.45	4436.96N	217.80E	0.44	4442.18	910741.79	1885156.73
8623.00	88.60	1.700	4550.73	4500.92N	219.64E	0.80	4506.16	910743.63	1885220.69
8654.00	88.90	2.000	4551.41	4531.90N	220.64E	1.37	4537.15	910744.63	1885251.66
8750.00	88.60	1.900	4553.50	4627.82N	223.91E	0.33	4633.12	910747.90	1885347.58
8796.00	88.30	2.600	4554.74	4673.77N	225.71E	1.66	4679.11	910749.70	1885393.52
8845.00	88.30	2.600	4556.20	4722.70N	227.94E	==>	4728.09	910751.92	1885442.45

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 Vertical Section is from 0.00N 0.00E on azimuth 2.380 degrees  
 Bottom hole distance is 4728.19 Feet on azimuth 2.76 degrees from Wellhead  
 Calculation method uses Minimum Curvature method  
 Prepared by  
 Date Printed: 25-May-2012



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Sandridge  
Sec 18 - 21S - 23W, Kansas  
Hodgeman County  
Wellbore: Stairrett 1-18H (Actual)

**Comments**

MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
8845.00	4556.20	4722.70N	227.94E	Projection to bit @ TD

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