



Standard Wellpath Report
Sandridge
Sec 7 - 34S - 6W, Kansas
Harper County
Wellbore: Turner 3406 5-7H (Actual)

Wellbore

Name	Created	Last Revised
Turner 3406 5-7H (Actual)	9-Apr-2013	13-May-2013

Well

Name	Government ID	Last Revised
Turner 3406 5-7H		9-Apr-2013

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Turner 3406 5-7H	156358.0000	2143336.0000	N37 5 42.1544	W98 0 30.9384	217.99N	1982.93W

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Harper County	2145319.0000	156140.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 7 - 34S - 6W	2145319.0000	156140.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

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Comments

FINAL Surveys MD 8973 is a projection to bit @ TD
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 Sec 7 - 34S - 6W, Kansas
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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	2143336.00	156358.00
250.00	1.06	0.170	249.99	2.31N	0.01E	0.42	2.31	2143336.01	156360.31
500.00	0.69	0.440	499.96	6.13N	0.03E	0.15	6.13	2143336.03	156364.13
871.00	3.90	107.000	870.68	4.67N	12.11E	1.12	4.52	2143348.11	156362.67
1147.00	4.00	110.600	1146.02	1.46S	30.10E	0.10	-1.84	2143366.10	156356.54
1239.00	2.80	101.300	1237.86	3.03S	35.31E	1.43	-3.48	2143371.31	156354.97
1330.00	1.40	110.900	1328.79	3.86S	38.53E	1.58	-4.35	2143374.53	156354.14
1422.00	0.90	117.100	1420.78	4.59S	40.22E	0.56	-5.10	2143376.22	156353.41
1517.00	0.40	327.800	1515.77	4.65S	40.71E	1.33	-5.17	2143376.71	156353.35
1897.00	0.70	121.700	1895.76	4.74S	41.97E	0.28	-5.28	2143377.98	156353.25
2372.00	0.30	231.900	2370.75	7.04S	43.46E	0.18	-7.59	2143379.47	156350.96
2847.00	1.00	245.600	2845.72	9.52S	38.71E	0.15	-10.01	2143374.71	156348.48
3322.00	0.80	262.000	3320.66	11.69S	31.65E	0.07	-12.09	2143367.65	156346.31
3797.00	2.70	260.900	3795.42	13.92S	17.32E	0.40	-14.14	2143353.32	156344.08
3892.00	4.00	348.800	3890.30	11.02S	14.47E	4.99	-11.21	2143350.47	156346.98
3923.00	6.00	356.600	3921.18	8.35S	14.16E	6.80	-8.53	2143350.16	156349.65
3955.00	7.80	1.900	3952.95	4.50S	14.13E	5.96	-4.69	2143350.13	156353.49
3987.00	9.90	4.200	3984.57	0.41N	14.41E	6.65	0.22	2143350.41	156358.41
4018.00	12.90	4.200	4014.95	6.52N	14.86E	9.68	6.33	2143350.86	156364.52
4050.00	16.10	359.700	4045.93	14.52N	15.09E	10.59	14.33	2143351.09	156372.52
4082.00	19.40	358.400	4076.40	24.27N	14.92E	10.39	24.08	2143350.92	156382.27
4113.00	22.60	358.000	4105.34	35.38N	14.57E	10.33	35.19	2143350.57	156393.38
4145.00	24.70	357.800	4134.65	48.20N	14.10E	6.57	48.02	2143350.10	156406.20
4177.00	26.80	356.200	4163.47	62.08N	13.36E	6.91	61.91	2143349.36	156420.09
4208.00	29.30	354.600	4190.83	76.61N	12.19E	8.42	76.45	2143348.19	156434.61
4240.00	30.80	352.000	4218.53	92.52N	10.31E	6.21	92.38	2143346.31	156450.52
4272.00	32.30	351.700	4245.80	109.10N	7.93E	4.71	108.98	2143343.94	156467.10
4303.00	34.70	352.700	4271.65	126.05N	5.62E	7.94	125.96	2143341.62	156484.05
4335.00	38.40	354.200	4297.35	144.98N	3.46E	11.89	144.92	2143339.46	156502.98
4367.00	42.10	355.400	4321.77	165.56N	1.59E	11.81	165.53	2143337.59	156523.57
4398.00	45.10	356.100	4344.22	186.88N	0.01E	9.80	186.86	2143336.01	156544.89
4430.00	47.50	356.400	4366.32	209.96N	1.50W	7.53	209.97	2143334.50	156567.97
4461.00	49.40	356.000	4386.88	233.11N	3.04W	6.20	233.13	2143332.96	156591.12
4493.00	51.40	356.500	4407.28	257.71N	4.65W	6.36	257.75	2143331.35	156615.72
4525.00	53.20	356.900	4426.85	282.99N	6.11W	5.71	283.04	2143329.89	156641.00
4556.00	53.00	357.300	4445.46	307.75N	7.36W	1.22	307.82	2143328.64	156665.76
4588.00	54.30	357.800	4464.43	333.50N	8.46W	4.25	333.58	2143327.54	156691.51
4620.00	56.60	359.000	4482.57	359.84N	9.20W	7.82	359.93	2143326.80	156717.85
4651.00	58.80	359.900	4499.14	386.04N	9.44W	7.51	386.13	2143326.56	156744.05
4683.00	60.90	1.600	4515.21	413.71N	9.08W	8.01	413.79	2143326.92	156771.72
4715.00	62.60	3.400	4530.36	441.86N	7.84W	7.26	441.93	2143328.15	156799.88
4746.00	64.70	3.100	4544.12	469.60N	6.27W	6.83	469.64	2143329.73	156827.61
4778.00	67.40	1.500	4557.11	498.81N	5.10W	9.60	498.84	2143330.90	156856.83
4810.00	70.30	359.300	4568.65	528.65N	4.90W	11.10	528.67	2143331.10	156886.67
4841.00	72.80	359.200	4578.46	558.05N	5.28W	8.07	558.08	2143330.72	156916.07
4873.00	75.30	359.700	4587.26	588.82N	5.58W	7.96	588.84	2143330.42	156946.84
4905.00	76.80	359.300	4594.97	619.87N	5.85W	4.84	619.90	2143330.15	156977.89
4936.00	77.30	0.200	4601.92	650.08N	5.98W	3.26	650.11	2143330.02	157008.11
4968.00	80.20	0.700	4608.16	681.46N	5.73W	9.19	681.48	2143330.27	157039.49
5000.00	84.00	0.200	4612.56	713.15N	5.49W	11.98	713.17	2143330.51	157071.18
5031.00	84.90	359.900	4615.55	744.01N	5.46W	3.06	744.02	2143330.54	157102.03
5063.00	84.70	0.300	4618.45	775.88N	5.40W	1.39	775.88	2143330.60	157133.90
5095.00	85.60	359.800	4621.16	807.76N	5.38W	3.21	807.76	2143330.62	157165.79
5126.00	87.40	359.700	4623.05	838.70N	5.51W	5.82	838.70	2143330.49	157196.73
5221.00	90.30	1.000	4624.96	933.67N	4.93W	3.35	933.65	2143331.07	157291.70
5287.00	90.70	0.200	4624.38	999.66N	4.24W	1.36	999.63	2143331.76	157357.70
5370.00	92.40	359.600	4622.14	1082.63N	4.38W	2.17	1082.59	2143331.62	157440.67
5400.00	92.60	0.300	4620.83	1112.60N	4.41W	2.42	1112.56	2143331.59	157470.64
5431.00	90.90	359.100	4619.88	1143.58N	4.57W	6.71	1143.55	2143331.43	157501.62
5462.00	89.60	359.800	4619.75	1174.58N	4.87W	4.76	1174.55	2143331.13	157532.62
5523.00	89.20	359.400	4620.39	1235.57N	5.30W	0.93	1235.54	2143330.70	157593.62
5615.00	89.10	359.000	4621.75	1327.56N	6.58W	0.45	1327.53	2143329.42	157685.60
5707.00	88.30	359.000	4623.84	1419.52N	8.19W	0.87	1419.51	2143327.81	157777.57
5799.00	90.00	358.200	4625.20	1511.48N	10.43W	2.04	1511.48	2143325.57	157869.53
5890.00	90.90	357.500	4624.49	1602.41N	13.85W	1.25	1602.45	2143322.15	157960.46
5982.00	90.30	357.900	4623.53	1694.33N	17.54W	0.78	1694.41	2143318.46	158052.39
6077.00	90.20	358.600	4623.11	1789.28N	20.44W	0.74	1789.40	2143315.56	158147.35
6172.00	91.70	358.200	4621.54	1884.23N	23.09W	1.63	1884.37	2143312.91	158242.30
6267.00	91.90	357.800	4618.55	1979.12N	26.41W	0.47	1979.30	2143309.59	158337.19
6362.00	91.60	357.600	4615.65	2074.00N	30.22W	0.38	2074.22	2143305.78	158432.08

All data is in Feet unless otherwise stated
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Turner 3406 5-7H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 359.270 degrees
 Bottom hole distance is 4683.55 Feet on azimuth 359.24 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 13-May-2013



Standard Wellpath Report
 Sandridge
 Sec 7 - 34S - 6W, Kansas
 Harper County
 Wellbore: Turner 3406 5-7H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
6457.00	92.50	357.500	4612.25	2168.85N	34.27W	0.95	2169.11	2143301.72	158526.93
6552.00	92.50	359.000	4608.11	2263.72N	37.17W	1.58	2264.01	2143298.83	158621.80
6647.00	90.30	359.300	4605.79	2358.67N	38.58W	2.34	2358.97	2143297.42	158716.76
6742.00	87.50	359.500	4607.61	2453.64N	39.58W	2.95	2453.94	2143296.42	158811.73
6837.00	86.20	359.600	4612.83	2548.49N	40.32W	1.37	2548.80	2143295.68	158906.58
6932.00	86.70	359.400	4618.71	2643.30N	41.15W	0.57	2643.61	2143294.85	159001.40
7027.00	89.30	359.900	4622.03	2738.24N	41.73W	2.79	2738.55	2143294.27	159096.34
7122.00	90.00	359.800	4622.61	2833.23N	41.98W	0.74	2833.54	2143294.02	159191.34
7217.00	91.80	359.800	4621.12	2928.22N	42.31W	1.89	2928.52	2143293.69	159286.32
7312.00	92.60	360.000	4617.47	3023.15N	42.47W	0.87	3023.44	2143293.52	159381.26
7407.00	93.00	359.300	4612.83	3118.03N	43.05W	0.85	3118.33	2143292.94	159476.14
7502.00	91.00	0.300	4609.51	3212.97N	43.38W	2.35	3213.26	2143292.61	159571.08
7597.00	89.00	0.400	4609.51	3307.96N	42.80W	2.11	3308.24	2143293.19	159666.08
7692.00	89.80	1.300	4610.51	3402.94N	41.39W	1.27	3403.19	2143294.60	159761.07
7787.00	90.10	1.400	4610.59	3497.92N	39.16W	0.33	3498.13	2143296.84	159856.04
7882.00	89.90	1.000	4610.59	3592.89N	37.17W	0.47	3593.08	2143298.83	159951.02
7977.00	90.40	0.200	4610.34	3687.89N	36.17W	0.99	3688.05	2143299.83	160046.02
8071.00	90.90	359.800	4609.28	3781.88N	36.17W	0.68	3782.03	2143299.83	160140.02
8166.00	91.30	359.700	4607.45	3876.86N	36.59W	0.43	3877.01	2143299.41	160235.00
8261.00	90.30	359.400	4606.13	3971.85N	37.33W	1.10	3972.00	2143298.67	160329.99
8356.00	90.70	359.300	4605.30	4066.84N	38.41W	0.43	4067.00	2143297.59	160424.99
8451.00	90.30	358.800	4604.47	4161.82N	39.99W	0.67	4161.99	2143296.01	160519.97
8546.00	89.00	357.800	4605.05	4256.78N	42.80W	1.73	4256.97	2143293.19	160614.93
8641.00	89.30	357.500	4606.46	4351.68N	46.70W	0.45	4351.93	2143289.30	160709.84
8736.00	90.20	357.100	4606.87	4446.58N	51.17W	1.04	4446.87	2143284.82	160804.74
8831.00	91.70	357.100	4605.30	4541.44N	55.98W	1.58	4541.78	2143280.02	160899.60
8925.00	93.30	357.800	4601.20	4635.25N	60.16W	1.86	4635.64	2143275.84	160993.42
8973.00	93.30	357.800	4598.43	4683.14N	62.00W	==>	4683.55	2143274.00	161041.31

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Sec 7 - 34S - 6W, Kansas
Harper County
Wellbore: Turner 3406 5-7H (Actual)

Comments

MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
8973.00	4598.43	4683.14N	62.00W	Projection to bit @ TD

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