



Standard Wellpath Report
Sandridge
Sec 7 - 34S - 6W, Kansas
Harper County
Wellbore: Turner 3406 3-7H (Actual)

Wellbore

Name	Created	Last Revised
Turner 3406 3-7H (Actual)	18-Dec-2012	14-Jan-2013

Well

Name	Government ID	Last Revised
Turner 3406 3-7H		17-Dec-2012

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Turner 3406 3-7H	156317.0000	2140786.0000	N37 5 41.8808	W98 1 2.4127	176.99N	4532.84W

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

Comments
FINAL Surveys MD 11690 is a projection to bit @ TD



Standard Wellpath Report
 Sandridge
 Sec 7 - 34S - 6W, Kansas
 Harper County
 Wellbore: Turner 3406 3-7H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	2140786.00	156317.00
875.00	1.00	260.300	874.96	1.29S	7.53W	0.11	-2.29	2140778.47	156315.71
1341.00	1.00	271.100	1340.89	1.89S	15.60W	0.04	-3.97	2140770.40	156315.11
1809.00	0.70	286.100	1808.83	1.02S	22.43W	0.08	-4.03	2140763.57	156315.98
1902.00	1.00	37.700	1901.83	0.22S	22.48W	1.52	-3.24	2140763.52	156316.78
1996.00	4.00	59.600	1995.73	2.09N	19.15W	3.29	-0.51	2140766.85	156319.09
2091.00	6.00	58.900	2090.36	6.33N	12.04W	2.11	4.65	2140773.96	156323.33
2185.00	6.40	60.800	2183.81	11.42N	3.26W	0.48	10.88	2140782.74	156328.42
2280.00	6.40	68.300	2278.22	15.96N	6.28E	0.88	16.66	2140792.28	156332.96
2374.00	9.00	68.500	2371.37	20.59N	17.99E	2.77	22.83	2140803.99	156337.60
2466.00	12.30	63.800	2461.77	27.56N	33.49E	3.71	31.81	2140819.49	156344.56
2560.00	15.30	61.200	2553.05	37.96N	53.34E	3.26	44.79	2140839.34	156354.96
2654.00	15.60	60.900	2643.65	50.08N	75.25E	0.33	59.75	2140861.26	156367.08
2748.00	15.00	59.900	2734.32	62.33N	96.82E	0.70	74.78	2140882.83	156379.33
2842.00	14.30	63.100	2825.26	73.68N	117.70E	1.14	88.84	2140903.70	156390.68
2935.00	14.60	64.400	2915.32	83.94N	138.51E	0.98	101.81	2140924.52	156400.95
3028.00	14.40	63.700	3005.36	94.13N	159.45E	0.29	114.72	2140945.46	156411.13
3120.00	15.70	62.300	3094.20	104.99N	180.73E	1.47	128.34	2140966.73	156421.99
3212.00	15.60	60.600	3182.79	116.84N	202.53E	0.51	143.02	2140988.53	156433.85
3305.00	14.70	61.900	3272.56	128.54N	223.83E	1.03	157.48	2141009.84	156445.55
3400.00	15.00	56.100	3364.39	141.08N	244.67E	1.60	172.70	2141030.68	156458.08
3493.00	14.40	59.200	3454.35	153.71N	264.59E	1.06	187.90	2141050.60	156470.72
3586.00	14.40	54.400	3544.43	166.36N	283.93E	1.28	203.04	2141069.94	156483.37
3680.00	14.70	56.800	3635.42	179.70N	303.41E	0.72	218.88	2141089.42	156496.71
3774.00	14.90	60.200	3726.30	192.24N	323.88E	0.95	234.05	2141109.89	156509.24
3800.00	14.40	59.800	3751.45	195.52N	329.57E	1.96	238.08	2141115.59	156512.53
3831.00	13.00	59.700	3781.57	199.22N	335.92E	4.52	242.59	2141121.93	156516.23
3862.00	13.30	60.200	3811.76	202.75N	342.02E	1.03	246.91	2141128.03	156519.76
3894.00	14.70	60.400	3842.81	206.59N	348.75E	4.38	251.62	2141134.76	156523.59
3925.00	16.30	58.400	3872.68	210.81N	355.87E	5.44	256.76	2141141.88	156527.82
3956.00	17.80	57.000	3902.32	215.67N	363.55E	5.02	262.61	2141149.56	156532.68
3987.00	19.80	56.100	3931.66	221.18N	371.88E	6.52	269.19	2141157.90	156538.19
4019.00	21.80	57.200	3961.57	227.42N	381.38E	6.37	276.65	2141167.39	156544.43
4050.00	24.60	59.900	3990.06	233.78N	391.80E	9.66	284.35	2141177.81	156550.79
4081.00	27.90	60.800	4017.86	240.55N	403.72E	10.72	292.67	2141189.73	156557.56
4113.00	31.00	61.900	4045.73	248.09N	417.53E	9.83	302.00	2141203.54	156565.10
4144.00	34.00	63.500	4071.87	255.72N	432.33E	10.07	311.55	2141218.34	156572.73
4174.00	37.10	63.400	4096.27	263.52N	447.93E	10.34	321.37	2141233.94	156580.53
4205.00	38.80	62.100	4120.72	272.25N	464.87E	6.06	332.30	2141250.89	156589.26
4237.00	40.20	60.500	4145.41	282.02N	482.72E	5.41	344.39	2141268.74	156599.04
4267.00	41.50	59.600	4168.10	291.82N	499.72E	4.76	356.39	2141285.74	156608.83
4299.00	43.80	59.300	4191.64	302.84N	518.39E	7.22	369.82	2141304.41	156619.85
4331.00	45.80	60.000	4214.34	314.23N	537.85E	6.44	383.72	2141323.87	156631.24
4362.00	46.80	59.600	4235.76	325.51N	557.22E	3.36	397.50	2141343.24	156642.52
4393.00	47.30	59.300	4256.88	337.04N	576.76E	1.76	411.56	2141362.78	156654.05
4455.00	47.50	59.100	4298.85	360.41N	615.96E	0.40	439.98	2141401.98	156677.42
4485.00	48.60	59.000	4318.90	371.88N	635.10E	3.68	453.93	2141421.12	156688.90
4546.00	49.80	58.000	4358.76	396.01N	674.47E	2.33	483.13	2141460.49	156713.03
4577.00	49.40	58.100	4378.85	408.51N	694.50E	1.31	498.21	2141480.52	156725.52
4608.00	49.70	56.100	4398.97	421.32N	714.30E	5.00	513.57	2141500.33	156738.33
4640.00	51.10	52.200	4419.37	435.76N	734.27E	10.36	530.57	2141520.30	156752.78
4671.00	52.80	48.700	4438.48	451.31N	753.09E	10.44	548.50	2141539.11	156768.32
4703.00	54.10	45.700	4457.54	468.77N	771.94E	8.56	568.34	2141557.97	156785.79
4734.00	56.60	45.300	4475.16	486.65N	790.13E	8.13	588.50	2141576.16	156803.67
4764.00	57.80	44.900	4491.41	504.45N	807.99E	4.15	608.54	2141594.02	156821.47
4795.00	59.80	44.200	4507.47	523.34N	826.59E	6.73	629.77	2141612.62	156840.36
4826.00	62.50	42.800	4522.43	543.04N	845.27E	9.57	651.80	2141631.30	156860.06
4856.00	65.60	40.700	4535.55	563.17N	863.23E	12.10	674.16	2141649.26	156880.19
4887.00	68.20	38.400	4547.72	585.15N	881.38E	10.81	698.38	2141667.41	156902.17
4918.00	70.80	36.800	4558.57	608.16N	899.09E	9.68	723.56	2141685.12	156925.18
4948.00	73.00	34.200	4567.89	631.37N	915.64E	11.03	748.79	2141701.67	156948.39
4979.00	73.60	30.800	4576.81	656.41N	931.59E	10.68	775.75	2141717.62	156973.43
5009.00	75.50	27.700	4584.80	681.64N	945.71E	11.80	802.64	2141731.75	156998.66
5040.00	77.50	25.300	4592.04	708.61N	959.16E	9.91	831.18	2141745.19	157025.64
5070.00	79.80	22.100	4597.94	735.54N	970.98E	12.97	859.46	2141757.01	157052.56
5100.00	81.00	19.200	4602.95	763.21N	981.41E	10.34	888.28	2141767.44	157080.24
5131.00	81.10	15.800	4607.77	792.42N	990.61E	10.84	918.46	2141776.65	157109.44
5161.00	81.50	15.800	4612.31	820.95N	998.69E	1.33	947.82	2141784.72	157137.98
5192.00	81.90	14.900	4616.78	850.53N	1006.81E	3.15	978.22	2141792.84	157167.56
5257.00	83.50	7.500	4625.05	913.73N	1019.31E	11.56	1042.53	2141805.35	157230.76

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 3-7H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 7.730 degrees
 Bottom hole distance is 7396.03 Feet on azimuth 7.10 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 14-Jan-2013



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 Sandridge
 Sec 7 - 34S - 6W, Kansas
 Harper County
 Wellbore: Turner 3406 3-7H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
5282.00	83.60	5.300	4627.86	938.41N	1022.08E	8.75	1067.36	2141808.12	157255.45
5299.00	83.60	4.700	4629.76	955.24N	1023.55E	3.51	1084.24	2141809.59	157272.28
5390.00	86.20	4.400	4637.84	1045.59N	1030.74E	2.88	1174.73	2141816.78	157362.63
5485.00	87.90	3.800	4642.73	1140.22N	1037.53E	1.90	1269.41	2141823.56	157457.26
5577.00	90.80	2.100	4643.78	1232.08N	1042.26E	3.65	1361.07	2141828.30	157549.12
5638.00	92.60	0.600	4641.97	1293.03N	1043.70E	3.84	1421.66	2141829.73	157610.08
5669.00	92.70	0.500	4640.53	1323.99N	1043.99E	0.46	1452.39	2141830.03	157641.04
5730.00	93.00	0.200	4637.50	1384.92N	1044.37E	0.70	1512.81	2141830.40	157701.97
5761.00	93.10	0.100	4635.85	1415.87N	1044.45E	0.46	1543.49	2141830.48	157732.92
5791.00	93.50	358.900	4634.13	1445.82N	1044.19E	4.21	1573.13	2141830.22	157762.87
5852.00	93.40	357.100	4630.45	1506.67N	1042.06E	2.95	1633.14	2141828.10	157823.73
5883.00	93.10	356.700	4628.70	1537.58N	1040.39E	1.61	1663.54	2141826.42	157854.63
5914.00	91.90	356.200	4627.34	1568.49N	1038.47E	4.19	1693.91	2141824.51	157885.54
5944.00	91.50	355.800	4626.45	1598.40N	1036.38E	1.89	1723.27	2141822.41	157915.46
5975.00	91.10	355.900	4625.75	1629.31N	1034.13E	1.33	1753.60	2141820.17	157946.37
6006.00	90.90	355.700	4625.21	1660.22N	1031.86E	0.91	1783.93	2141817.90	157977.28
6037.00	91.00	355.000	4624.70	1691.12N	1029.35E	2.28	1814.20	2141815.39	158008.18
6067.00	91.00	355.100	4624.17	1721.00N	1026.76E	0.33	1843.47	2141812.80	158038.06
6129.00	91.00	354.800	4623.09	1782.75N	1021.31E	0.48	1903.92	2141807.34	158099.81
6159.00	91.90	354.000	4622.33	1812.60N	1018.38E	4.01	1933.10	2141804.42	158129.66
6221.00	91.30	354.600	4620.60	1874.27N	1012.22E	1.37	1993.38	2141798.26	158191.33
6251.00	90.40	354.900	4620.16	1904.14N	1009.48E	3.16	2022.61	2141795.52	158221.21
6313.00	89.90	356.100	4619.99	1965.94N	1004.62E	2.10	2083.21	2141790.65	158283.02
6405.00	91.00	355.900	4619.27	2057.72N	998.20E	1.22	2173.28	2141784.23	158374.79
6467.00	90.40	357.400	4618.51	2119.60N	994.58E	2.61	2234.12	2141780.61	158436.68
6498.00	89.90	357.200	4618.43	2150.57N	993.12E	1.74	2264.60	2141779.15	158467.65
6559.00	89.50	358.200	4618.75	2211.52N	990.67E	1.77	2324.67	2141776.70	158528.60
6589.00	89.00	358.000	4619.14	2241.50N	989.67E	1.80	2354.25	2141775.71	158558.58
6681.00	89.10	359.600	4620.67	2333.46N	987.75E	1.74	2445.11	2141773.78	158650.55
6712.00	89.20	0.300	4621.13	2364.46N	987.72E	2.28	2475.83	2141773.76	158681.54
6774.00	88.90	360.000	4622.16	2426.45N	987.88E	0.68	2537.28	2141773.92	158743.54
6865.00	89.10	0.700	4623.75	2517.43N	988.44E	0.80	2627.51	2141774.47	158834.52
6957.00	90.40	358.000	4624.15	2609.42N	987.39E	3.26	2718.51	2141773.43	158926.51
7049.00	90.20	358.100	4623.66	2701.36N	984.26E	0.24	2809.20	2141770.30	159018.46
7141.00	90.60	358.700	4623.02	2793.32N	981.70E	0.78	2899.98	2141767.73	159110.42
7232.00	90.10	358.100	4622.47	2884.29N	979.15E	0.86	2989.78	2141765.19	159201.39
7324.00	90.60	357.800	4621.90	2976.22N	975.86E	0.63	3080.44	2141761.90	159293.33
7419.00	90.00	356.900	4621.41	3071.12N	971.47E	1.14	3173.88	2141757.51	159388.23
7514.00	89.90	357.100	4621.49	3165.99N	966.50E	0.24	3267.22	2141752.53	159483.10
7609.00	89.90	356.700	4621.66	3260.85N	961.36E	0.42	3360.53	2141747.40	159577.97
7704.00	92.20	359.100	4619.91	3355.76N	957.88E	3.50	3454.10	2141743.92	159672.88
7799.00	92.50	358.900	4616.02	3450.66N	956.22E	0.38	3547.92	2141742.26	159767.79
7894.00	91.20	1.600	4612.95	3545.60N	956.64E	3.15	3642.06	2141742.67	159862.73
7989.00	90.80	2.700	4611.29	3640.52N	960.20E	1.23	3736.59	2141746.24	159957.65
8021.00	90.40	2.900	4610.96	3672.48N	961.77E	1.40	3768.47	2141747.80	159989.61
8084.00	90.40	2.600	4610.52	3735.40N	964.79E	0.48	3831.23	2141750.82	160052.54
8179.00	90.70	2.100	4609.61	3830.32N	968.68E	0.61	3925.81	2141754.72	160147.46
8274.00	92.10	3.000	4607.29	3925.19N	972.91E	1.75	4020.39	2141758.94	160242.34
8369.00	90.00	2.500	4605.55	4020.06N	977.47E	2.27	4115.01	2141763.50	160337.21
8464.00	89.70	1.100	4605.79	4115.01N	980.45E	1.51	4209.50	2141766.48	160432.16
8559.00	89.50	0.100	4606.46	4210.00N	981.44E	1.07	4303.76	2141767.48	160527.16
8654.00	89.20	359.700	4607.54	4305.00N	981.28E	0.53	4397.86	2141767.31	160622.15
8749.00	89.40	359.900	4608.70	4399.99N	980.95E	0.30	4491.95	2141766.98	160717.15
8844.00	89.30	359.400	4609.77	4494.98N	980.37E	0.54	4586.00	2141766.40	160812.14
8939.00	90.20	359.000	4610.19	4589.97N	979.04E	1.04	4679.95	2141765.08	160907.14
9034.00	91.40	359.700	4608.86	4684.95N	977.96E	1.46	4773.92	2141764.00	161002.12
9128.00	91.80	0.500	4606.24	4778.92N	978.13E	0.95	4867.05	2141764.16	161096.09
9224.00	91.50	359.000	4603.47	4874.87N	977.71E	1.59	4962.08	2141763.74	161192.05
9256.00	91.30	358.900	4602.69	4906.86N	977.12E	0.70	4993.70	2141763.16	161224.03
9319.00	91.20	358.700	4601.32	4969.83N	975.80E	0.35	5055.92	2141761.84	161287.01
9351.00	91.00	358.800	4600.70	5001.81N	975.10E	0.70	5087.52	2141761.14	161319.00
9414.00	91.10	358.400	4599.55	5064.78N	973.57E	0.65	5149.71	2141759.60	161381.97
9509.00	91.10	358.000	4597.72	5159.72N	970.58E	0.42	5243.38	2141756.62	161476.91
9604.00	91.70	357.600	4595.40	5254.62N	966.94E	0.76	5336.93	2141752.97	161571.81
9699.00	90.30	358.400	4593.74	5349.55N	963.62E	1.70	5430.55	2141749.66	161666.74
9794.00	88.80	359.200	4594.49	5444.52N	961.63E	1.79	5524.39	2141747.67	161761.72
9889.00	89.10	359.800	4596.23	5539.50N	960.80E	0.71	5618.39	2141746.84	161856.70
9984.00	89.50	359.400	4597.39	5634.49N	960.14E	0.60	5712.43	2141746.17	161951.69
10079.00	89.70	359.600	4598.06	5729.48N	959.31E	0.30	5806.45	2141745.35	162046.69
10174.00	89.60	359.200	4598.64	5824.48N	958.32E	0.43	5900.45	2141744.35	162141.69
10269.00	90.10	359.100	4598.88	5919.46N	956.91E	0.54	5994.38	2141742.94	162236.68

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 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Turner 3406 3-7H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 7.730 degrees
 Bottom hole distance is 7396.03 Feet on azimuth 7.10 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 14-Jan-2013



Standard Wellpath Report
 Sandridge
 Sec 7 - 34S - 6W, Kansas
 Harper County
 Wellbore: Turner 3406 3-7H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
10364.00	90.80	358.800	4598.14	6014.44N	955.17E	0.80	6088.27	2141741.20	162331.66
10459.00	91.10	358.500	4596.56	6109.41N	952.93E	0.45	6182.06	2141738.96	162426.63
10554.00	90.90	359.000	4594.91	6204.37N	950.86E	0.57	6275.88	2141736.89	162521.59
10585.00	91.20	359.200	4594.34	6235.36N	950.37E	1.16	6306.53	2141736.40	162552.58
10649.00	91.60	358.900	4592.77	6299.33N	949.31E	0.78	6369.77	2141735.34	162616.56
10743.00	90.30	359.000	4591.22	6393.30N	947.59E	1.39	6462.66	2141733.62	162710.53
10838.00	89.90	359.500	4591.05	6488.29N	946.34E	0.67	6556.62	2141732.38	162805.53
10933.00	89.90	359.200	4591.22	6583.28N	945.27E	0.32	6650.60	2141731.30	162900.52
11028.00	90.20	358.500	4591.13	6678.26N	943.36E	0.80	6744.47	2141729.39	162995.51
11123.00	90.60	358.200	4590.47	6773.22N	940.62E	0.53	6838.19	2141726.66	163090.47
11218.00	91.50	358.200	4588.73	6868.16N	937.64E	0.95	6931.86	2141723.67	163185.41
11313.00	91.40	358.100	4586.32	6963.08N	934.57E	0.15	7025.51	2141720.61	163280.33
11408.00	92.00	357.600	4583.51	7057.97N	931.01E	0.82	7119.06	2141717.05	163375.22
11503.00	92.10	356.800	4580.11	7152.79N	926.37E	0.85	7212.40	2141712.41	163470.05
11598.00	92.30	356.300	4576.46	7247.55N	920.66E	0.57	7305.53	2141706.69	163564.81
11641.00	92.20	356.100	4574.77	7290.42N	917.81E	0.52	7347.63	2141703.85	163607.69
11690.00	92.20	356.100	4572.89	7339.28N	914.48E	==>	7395.59	2141700.52	163656.54

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 3-7H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 7.730 degrees
 Bottom hole distance is 7396.03 Feet on azimuth 7.10 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 14-Jan-2013



Standard Wellpath Report
Sandridge
Sec 7 - 34S - 6W, Kansas
Harper County
Wellbore: Turner 3406 3-7H (Actual)

Comments

MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
11690.00	4572.89	7339.28N	914.48E	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 (Turner 3406 3-7H 0.00ft above Mean Sea Level)
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