

49.02270

TRANS ENERGY INC.

Location: Marion County, WV
 Field: Marion
 Facility: Shaver Pad

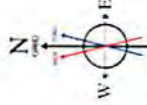
Slot: Slot 2
 Well: Shaver 2H (PWB)
 Wellbore: Shaver 2H (PWB)



Well ID	Well Name	Well Type	Well Status	Well Depth (ft)	Well Diameter (in)	Well Completion
SH2	Shaver 2H	Oil	Active	1427.00	4.5	Open Hole

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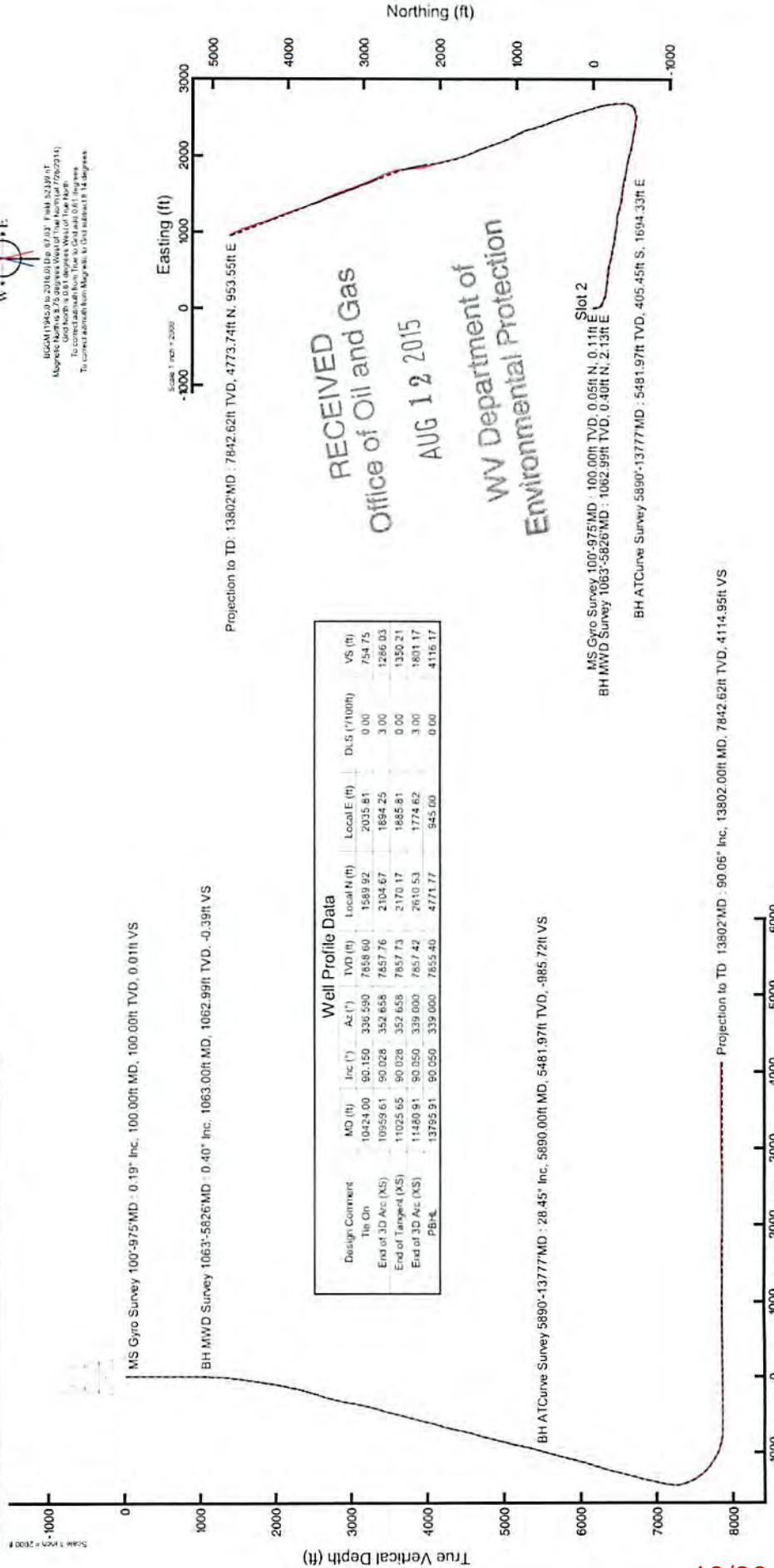


865411945.0 to 2016.01.01 07:33 Field 50326.7
 Magnetic North to True North
 To correct azimuth from Magnetic to True subtract 0.61 degrees.
 To correct azimuth from Magnetic to Grid subtract 0.14 degrees.

MS Gyro Survey 100-975MD : 0.19" Inc, 100.00ft MD, 100.00ft TVD, 0.01ft VS

BH MWD Survey 1063-5826MD : 0.40" Inc, 1063.00ft MD, 1062.99ft TVD, -0.39ft VS

BH ATCurve Survey 5890-13777MD : 28.45" Inc, 5890.00ft MD, 5481.97ft TVD, -985.72ft VS



Design Comment	MD (ft)	Inc (")	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (ft/100ft)	VS (ft)
Tile On	10424.00	90.150	336.590	7858.60	1589.92	2035.81	0.00	754.75
End of 3D Arc (MS)	10559.61	90.028	352.658	7857.76	2104.67	1884.25	3.00	1266.03
End of Tangent (MS)	11025.65	90.028	352.658	7857.73	2170.17	1885.81	0.00	1350.21
End of 3D Arc (KS)	11480.91	90.050	339.000	7857.42	2610.53	1774.62	3.00	1801.17
PB=	13785.91	90.050	339.000	7855.40	4771.77	945.00	0.00	4116.17

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MS Gyro Survey 100-975MD : 100.00ft TVD, 0.05ft N, 0.11ft E
 BH MWD Survey 1063-5826MD : 1062.99ft TVD, 0.40ft N, 2.13ft E

BH ATCurve Survey 5890-13777MD : 5481.97ft TVD, 405.45ft S, 1694.33ft E

Projection to TD : 13802 MD : 90.05" Inc, 13802.00ft MD, 7842.62ft TVD, 4114.95ft VS



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Actual Wellpath Report

Shaver 2H AWP Proj: 13802'

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REFERENCE WELLPATH IDENTIFICATION

Operator	TRANS ENERGY Inc.	Slot	Slot 2
Area	Marion County, WV	Well	Shaver 2H
Field	Marion	Wellbore	Shaver 2H (AWB)
Facility	Shaver Pad		

REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 4.0.1
North Reference	Grid	User	Stewdenk
Scale	0.999941	Report Generated	8/27/2014 at 10:29:56 AM
Convergence at slot	0.61° West	Database/Source file	WA_Eastern/Shaver_2H_AWB_.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	2.70	-14.48	1731355.11	389130.34	39°33'52.122"N	80°27'10.479"W
Facility Reference Pt			1731369.59	389127.64	39°33'52.097"N	80°27'10.294"W
Field Reference Pt			1738625.59	396770.37	39°35'08.382"N	80°25'38.652"W

WELLPATH DATUM

Calculation method	Minimum curvature	M07 (KB) to Facility Vertical Datum	1451.06ft
Horizontal Reference Pt	Slot	M07 (KB) to Mean Sea Level	1451.06ft
Vertical Reference Pt	M07 (KB)	M07 (KB) to Mud Line at Slot (Slot 2)	24.00ft
MD Reference Pt	M07 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	339.00°

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WELLPATH DATA (214 stations) † = interpolated/extrapolated station

MID [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [ppm]	Build Rate [ft/100ft]	Turn Rate [°/100ft]
0.00†	0.000	64.490	0.00	0.00	0.00	0.00	1731355.11	389130.34	39°33'52.122"N	80°27'10.479"W	0.00	0.00	0.00	0.00	0.00
24.00	0.000	64.490	24.00	0.00	0.00	0.00	1731355.11	389130.34	39°33'52.122"N	80°27'10.479"W	0.00	0.00	0.00	0.00	0.00
100.00	0.190	64.490	100.00	0.01	0.05	0.11	1731355.22	389130.39	39°33'52.122"N	80°27'10.478"W	0.13	64.490	0.25	0.25	0.00
200.00	0.240	349.530	200.00	0.23	0.33	0.23	1731355.34	389130.67	39°33'52.125"N	80°27'10.476"W	0.40	34.192	0.26	0.05	-74.96
300.00	0.040	43.900	300.00	0.45	0.56	0.21	1731355.32	389130.90	39°33'52.127"N	80°27'10.477"W	0.60	20.594	0.22	-0.20	54.37
400.00	0.290	63.590	400.00	0.49	0.70	0.46	1731355.57	389131.04	39°33'52.129"N	80°27'10.473"W	0.84	33.426	0.25	0.25	19.69
500.00	0.030	191.190	500.00	0.49	0.79	0.68	1731355.79	389131.13	39°33'52.130"N	80°27'10.471"W	1.04	40.979	0.31	-0.26	127.60
600.00	0.270	87.350	600.00	0.39	0.77	0.91	1731356.02	389131.11	39°33'52.130"N	80°27'10.468"W	1.20	49.800	0.28	0.24	-103.84
700.00	0.080	92.860	700.00	0.29	0.78	1.22	1731356.33	389131.12	39°33'52.130"N	80°27'10.464"W	1.45	57.394	0.19	-0.19	5.51
800.00	0.360	89.970	800.00	0.15	0.78	1.60	1731356.71	389131.12	39°33'52.130"N	80°27'10.459"W	1.78	64.153	0.28	0.28	-2.89
900.00	0.190	49.520	900.00	0.09	0.88	2.04	1731357.15	389131.22	39°33'52.131"N	80°27'10.453"W	2.23	66.596	0.25	-0.17	-40.45
975.00	0.180	186.100	975.00	0.03	0.85	2.13	1731357.24	389131.19	39°33'52.130"N	80°27'10.452"W	2.29	68.249	0.46	-0.01	182.11
1063.00	0.400	176.290	1062.99	-0.39	0.40	2.13	1731357.24	389130.74	39°33'52.126"N	80°27'10.452"W	2.17	79.262	0.26	0.25	-11.15
1108.00	0.650	181.270	1107.99	-0.77	-0.01	2.14	1731357.25	389130.33	39°33'52.122"N	80°27'10.452"W	2.14	90.212	0.56	0.56	11.07
1156.00	0.990	185.040	1155.99	-1.40	-0.69	2.09	1731357.20	389129.65	39°33'52.115"N	80°27'10.452"W	2.20	108.326	0.72	0.71	7.85
1200.00	1.910	185.520	1199.97	-2.39	-1.80	1.99	1731357.10	389128.54	39°33'52.104"N	80°27'10.454"W	2.68	132.174	2.09	2.09	1.09
1248.00	2.710	176.220	1247.93	-4.19	-3.73	1.99	1731357.10	389126.61	39°33'52.085"N	80°27'10.453"W	4.23	151.961	1.84	1.67	-19.37
1290.00	3.630	177.930	1289.87	-6.40	-6.05	2.10	1731357.21	389124.29	39°33'52.062"N	80°27'10.452"W	6.40	160.855	2.20	2.19	4.07
1340.00	5.060	173.770	1339.72	-10.03	-9.82	2.40	1731357.51	389120.52	39°33'52.025"N	80°27'10.447"W	10.11	166.290	2.93	2.86	-8.32
1382.00	6.260	175.620	1381.52	-14.02	-13.95	2.77	1731357.88	389116.39	39°33'51.984"N	80°27'10.442"W	14.22	168.758	2.89	2.86	4.40
1431.00	7.170	174.600	1430.18	-19.52	-19.66	3.26	1731358.37	389110.68	39°33'51.928"N	80°27'10.435"W	19.93	170.571	1.87	1.86	-2.08
1476.00	7.820	172.620	1474.80	-25.20	-25.49	3.92	1731359.03	389104.85	39°33'51.870"N	80°27'10.426"W	25.79	171.253	1.55	1.44	-4.40
1529.00	8.310	170.280	1527.27	-32.46	-32.84	5.03	1731360.14	389097.50	39°33'51.798"N	80°27'10.410"W	33.22	171.289	1.11	0.92	-4.42
1572.00	8.150	171.670	1569.83	-38.48	-38.92	6.00	1731361.11	389091.42	39°33'51.738"N	80°27'10.397"W	39.38	171.239	0.59	-0.37	3.23
1624.00	8.050	169.800	1621.31	-45.65	-46.15	7.18	1731362.29	389084.19	39°33'51.666"N	80°27'10.381"W	46.70	171.161	0.54	-0.19	-3.60
1665.00	7.970	168.290	1661.91	-51.28	-51.76	8.26	1731363.37	389078.59	39°33'51.611"N	80°27'10.367"W	52.41	170.930	0.55	-0.20	-3.68
1719.00	8.250	168.450	1715.37	-58.80	-59.22	9.80	1731364.91	389071.13	39°33'51.538"N	80°27'10.346"W	60.02	170.606	0.52	0.52	0.30
1763.00	8.390	169.090	1758.91	-65.07	-65.46	11.04	1731366.15	389064.88	39°33'51.476"N	80°27'10.329"W	66.39	170.430	0.38	0.32	1.45
1814.00	8.600	159.670	1809.35	-72.55	-72.69	13.07	1731368.18	389057.65	39°33'51.405"N	80°27'10.302"W	73.86	169.810	2.76	0.41	-18.47
1857.00	8.760	148.250	1851.86	-78.98	-78.49	15.91	1731371.02	389051.85	39°33'51.348"N	80°27'10.265"W	80.09	168.544	4.02	0.37	-26.56



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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure [ft]	Turn Rate [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
1907.00	9.580	140.900	1901.22	-86.67	-84.96	20.53	1731375.64	389045.39	39°33'51.284"N	80°27'10.205"W	87.41	166.413	2.86	1.64	-14.70
1951.00	10.420	132.720	1944.56	-93.72	-90.50	25.77	1731380.88	389039.85	39°33'51.230"N	80°27'10.138"W	94.10	164.108	3.75	1.91	-18.59
2002.00	11.670	129.750	1994.61	-102.36	-96.93	33.12	1731388.22	389033.42	39°33'51.167"N	80°27'10.043"W	102.43	161.134	2.69	2.45	-5.82
2048.00	13.170	125.480	2039.54	-110.79	-102.94	40.97	1731396.07	389027.40	39°33'51.109"N	80°27'09.942"W	110.80	158.300	3.82	3.26	-9.28
2096.00	14.390	120.620	2086.15	-120.02	-109.16	50.55	1731405.66	389021.19	39°33'51.048"N	80°27'09.819"W	120.29	155.150	3.50	2.54	-10.13
2141.00	15.020	117.630	2129.68	-128.78	-114.71	60.53	1731415.64	389015.64	39°33'50.994"N	80°27'09.691"W	129.70	152.180	2.19	1.40	-6.64
2191.00	16.260	115.200	2177.83	-138.70	-120.69	72.61	1731427.71	389009.65	39°33'50.937"N	80°27'09.536"W	140.85	148.971	2.80	2.48	-4.86
2238.00	16.930	113.260	2222.87	-148.22	-126.20	84.85	1731439.95	389004.15	39°33'50.883"N	80°27'09.379"W	152.07	146.086	1.85	1.43	-4.13
2286.00	18.290	111.500	2268.62	-158.19	-131.72	98.28	1731453.38	388998.63	39°33'50.830"N	80°27'09.207"W	164.34	143.274	3.04	2.83	-3.67
2332.00	20.540	109.760	2312.00	-168.34	-137.09	112.59	1731467.69	388993.25	39°33'50.779"N	80°27'09.023"W	177.40	140.606	5.05	4.89	-3.78
2382.00	22.640	108.820	2358.49	-180.23	-143.16	129.95	1731485.06	388987.18	39°33'50.721"N	80°27'08.801"W	193.35	137.769	4.26	4.20	-1.88
2421.00	24.370	107.590	2394.26	-190.05	-148.02	144.73	1731499.83	388982.33	39°33'50.674"N	80°27'08.611"W	207.02	135.644	4.61	4.44	-3.15
2475.00	26.660	105.040	2442.99	-204.13	-154.53	167.05	1731522.15	388975.82	39°33'50.612"N	80°27'08.325"W	227.57	132.770	4.70	4.24	-4.72
2518.00	29.860	102.750	2480.86	-215.76	-159.40	186.82	1731541.91	388970.95	39°33'50.566"N	80°27'08.072"W	245.58	130.472	7.86	7.44	-5.33
2569.00	32.820	97.820	2524.42	-229.48	-164.08	212.90	1731568.00	388966.27	39°33'50.523"N	80°27'07.739"W	268.79	127.621	7.67	5.80	-9.67
2615.00	33.560	97.250	2562.92	-241.51	-167.38	237.87	1731592.96	388962.97	39°33'50.493"N	80°27'07.419"W	290.85	125.133	1.75	1.61	-1.24
2665.00	32.930	97.400	2604.73	-254.51	-170.88	265.05	1731620.15	388959.47	39°33'50.461"N	80°27'07.072"W	315.36	122.809	1.27	-1.26	0.30
2710.00	32.580	97.990	2642.58	-266.20	-174.14	289.18	1731644.27	388956.21	39°33'50.431"N	80°27'06.763"W	337.56	121.055	1.05	-0.78	1.31
2759.00	31.370	98.880	2684.14	-278.95	-177.94	314.85	1731669.94	388952.41	39°33'50.396"N	80°27'06.435"W	361.65	119.473	2.65	-2.47	1.82
2803.00	29.590	96.970	2722.06	-289.75	-181.03	336.95	1731692.04	388949.33	39°33'50.368"N	80°27'06.153"W	382.50	118.247	4.61	-4.05	-4.34
2854.00	28.250	96.200	2766.70	-301.18	-183.86	361.45	1731716.53	388946.49	39°33'50.343"N	80°27'05.839"W	405.52	116.961	2.73	-2.63	-1.51
2896.00	27.600	95.420	2803.81	-310.05	-185.85	381.01	1731736.10	388944.50	39°33'50.325"N	80°27'05.589"W	423.92	116.002	1.78	-1.55	-1.86
2949.00	26.440	95.730	2851.02	-320.82	-188.19	404.98	1731760.06	388942.16	39°33'50.304"N	80°27'05.283"W	446.57	114.924	2.20	-2.19	0.58
2991.00	25.610	95.100	2888.76	-329.02	-189.93	423.32	1731778.41	388940.42	39°33'50.279"N	80°27'04.949"W	463.98	114.164	2.08	-1.98	-1.50
3043.00	24.780	95.270	2935.82	-338.79	-191.93	445.37	1731800.45	388938.42	39°33'50.282"N	80°27'04.767"W	484.96	113.313	1.60	-1.60	0.33
3073.00	24.130	95.650	2963.13	-344.32	-193.11	457.73	1731812.81	388937.24	39°33'50.261"N	80°27'04.609"W	496.80	112.874	2.23	-2.17	1.27
3141.00	23.180	94.130	3025.41	-356.24	-195.44	484.91	1731839.99	388934.91	39°33'50.241"N	80°27'04.261"W	522.82	111.952	1.66	-1.40	-2.24
3175.00	22.060	94.290	3056.80	-361.81	-196.40	497.95	1731853.03	388933.95	39°33'50.233"N	80°27'04.095"W	535.29	111.525	3.30	-3.29	0.47
3222.00	22.280	98.660	3100.32	-369.99	-198.40	515.56	1731870.64	388931.95	39°33'50.215"N	80°27'03.870"W	552.42	111.048	3.54	0.47	9.30
3270.00	21.590	100.420	3144.85	-379.09	-201.37	533.25	1731888.32	388928.98	39°33'50.188"N	80°27'03.644"W	570.00	110.688	1.99	-1.44	3.67



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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	Closest Enviro. [ft]	Closest Dir [°]	Turn Rate [°/100ft]
3314.00	22.830	100.840	3185.58	-387.82	-204.44	549.59	1731904.67	388925.91	39°33'50.159"N	80°27'03.434"W	586.38	ENVIRO	110.121	2.84	2.82
3365.00	24.420	103.000	3232.31	-398.93	-208.67	569.58	1731924.66	388921.68	39°33'50.119"N	80°27'03.179"W	606.60		109.901	3.55	3.12
3413.00	24.360	103.290	3276.03	-410.06	-213.18	588.89	1731943.96	388917.17	39°33'50.077"N	80°27'02.932"W	626.28		109.901	0.28	-0.13
3458.00	26.520	103.700	3316.66	-421.01	-217.69	607.68	1731962.75	388912.66	39°33'50.034"N	80°27'02.691"W	645.50		109.709	4.82	4.80
3505.00	29.390	103.200	3358.17	-433.47	-222.81	629.11	1731984.18	388907.54	39°33'49.986"N	80°27'02.417"W	667.40		109.503	6.13	6.11
3554.00	29.090	104.040	3400.93	-447.06	-228.45	652.37	1732007.44	388901.91	39°33'49.932"N	80°27'02.119"W	691.21		109.299	1.04	-0.61
3601.00	27.580	102.500	3442.30	-459.63	-233.57	674.08	1732029.15	388896.78	39°33'49.884"N	80°27'01.841"W	713.40		109.112	3.57	-3.21
3648.00	25.100	101.310	3484.41	-470.96	-237.89	694.48	1732049.54	388892.47	39°33'49.844"N	80°27'01.580"W	734.09		108.908	5.39	-5.28
3694.00	26.030	101.010	3525.91	-481.53	-241.73	713.95	1732069.02	388888.63	39°33'49.808"N	80°27'01.331"W	753.76		108.705	2.04	2.02
3743.00	24.310	101.600	3570.25	-492.66	-245.81	734.39	1732089.45	388884.55	39°33'49.769"N	80°27'01.069"W	774.43		108.506	3.55	-3.51
3788.00	26.210	100.920	3610.95	-502.91	-249.55	753.22	1732108.28	388880.80	39°33'49.734"N	80°27'00.828"W	793.48		108.331	4.27	4.22
3838.00	25.270	100.200	3655.99	-514.28	-253.54	774.57	1732129.63	388876.82	39°33'49.697"N	80°27'00.555"W	815.00		108.125	1.98	-1.88
3885.00	26.860	100.860	3698.21	-525.08	-257.31	794.87	1732149.93	388873.04	39°33'49.662"N	80°27'00.296"W	835.48		107.938	3.44	3.38
3933.00	29.310	100.570	3740.55	-536.95	-261.51	817.07	1732172.13	388868.84	39°33'49.623"N	80°27'00.012"W	857.90		107.748	5.11	5.10
3978.00	29.000	100.160	3779.85	-548.36	-265.46	838.63	1732193.69	388864.90	39°33'49.586"N	80°26'59.736"W	879.64		107.564	0.82	-0.69
4028.00	26.900	97.250	3824.02	-559.99	-269.02	861.79	1732216.85	388861.33	39°33'49.553"N	80°26'59.440"W	902.80		107.337	5.01	-4.20
4122.00	26.620	97.450	3907.95	-580.09	-274.44	903.77	1732258.82	388855.92	39°33'49.504"N	80°26'58.903"W	944.51		106.891	0.31	-0.30
4168.00	27.690	98.140	3948.88	-590.20	-277.29	924.56	1732279.62	388853.07	39°33'49.478"N	80°26'58.637"W	965.25		106.695	2.42	2.33
4217.00	27.460	97.110	3992.31	-601.07	-280.30	947.05	1732302.10	388850.06	39°33'49.451"N	80°26'58.350"W	987.65		106.487	1.08	-0.47
4261.00	27.010	98.140	4031.44	-610.72	-282.97	967.00	1732322.05	388847.39	39°33'49.426"N	80°26'58.094"W	1007.55		106.311	1.48	-1.02
4312.00	28.880	100.080	4076.49	-622.71	-286.76	990.60	1732345.65	388843.59	39°33'49.391"N	80°26'57.793"W	1031.27		106.145	4.08	3.67
4356.00	28.970	99.900	4115.00	-633.67	-290.45	1011.55	1732366.60	388839.90	39°33'49.357"N	80°26'57.525"W	1052.43		106.021	0.28	0.20
4406.00	31.440	99.450	4158.21	-646.50	-294.68	1036.35	1732391.40	388835.68	39°33'49.318"N	80°26'57.207"W	1077.43		105.873	4.96	4.94
4449.00	30.570	99.920	4195.06	-657.80	-298.40	1058.18	1732413.23	388831.96	39°33'49.283"N	80°26'56.928"W	1099.45		105.748	2.10	-2.02
4501.00	29.800	97.610	4240.01	-670.78	-302.39	1084.02	1732439.06	388827.97	39°33'49.247"N	80°26'56.598"W	1125.41		105.587	2.68	-1.48
4546.00	29.190	96.750	4279.18	-681.25	-305.16	1106.00	1732461.04	388825.20	39°33'49.222"N	80°26'56.317"W	1147.33		105.425	1.65	-1.36
4596.00	28.070	95.080	4323.07	-692.10	-307.64	1129.83	1732484.87	388822.72	39°33'49.200"N	80°26'56.012"W	1170.96		105.232	2.75	-2.24
4641.00	27.020	93.220	4362.97	-700.95	-309.15	1150.58	1732505.62	388821.21	39°33'49.187"N	80°26'55.747"W	1191.39		105.040	3.02	-4.13
4690.00	25.370	92.450	4406.93	-709.69	-310.22	1172.18	1732527.22	388820.14	39°33'49.179"N	80°26'55.471"W	1212.54		104.824	3.44	-3.37
4735.00	23.850	92.860	4447.85	-717.21	-311.09	1190.90	1732545.94	388819.27	39°33'49.172"N	80°26'55.232"W	1230.86		104.640	3.40	-3.38



Actual Wellpath Report

Shaver 2H AWP Proj: 13802'
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REFERENCE WELLPATH IDENTIFICATION

Operator	TRANS ENERGY Inc.	Slot	Slot 2
Area	Marion County, WV	Well	Shaver 2H
Field	Marion	Wellbore	Shaver 2H (AWB)
Facility	Shaver Pad		

49-02270

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Office of Oil and Gas

AUG 12 2015

WELLPATH DATA (214 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dis [ft]	Env. Dir. [ft]	P. Dis. [ft/100ft]	Build Rate [ft/100ft]	Turn Rate [°/100ft]
4784.00	24.430	99.490	4492.57	-726.36	-313.25	1210.79	1732565.83	388817.10	39°33'49.153"N	80°26'54.978"W	1250.66	104.505	5.66	1.18	13.53
4831.00	25.660	104.630	4535.15	-737.22	-317.43	1230.23	1732585.26	388812.93	39°33'49.113"N	80°26'54.729"W	1270.52	104.468	5.32	2.62	10.94
4879.00	27.290	104.970	4578.12	-749.74	-322.90	1250.91	1732605.95	388807.46	39°33'49.062"N	80°26'54.464"W	1291.92	104.474	3.41	3.40	0.71
4923.00	25.880	105.750	4617.47	-761.41	-328.11	1269.90	1732624.94	388802.25	39°33'49.012"N	80°26'54.221"W	1311.61	104.487	3.30	-3.20	1.77
4977.00	26.920	105.670	4665.83	-775.76	-334.61	1293.02	1732648.05	388795.75	39°33'48.950"N	80°26'53.925"W	1335.61	104.509	1.93	1.93	-0.15
5025.00	25.200	105.680	4708.95	-788.35	-340.31	1313.32	1732668.35	388790.05	39°33'48.896"N	80°26'53.665"W	1356.69	104.527	3.58	-3.58	0.02
5072.00	27.060	102.180	4751.15	-800.18	-345.27	1333.40	1732688.43	388785.09	39°33'48.849"N	80°26'53.408"W	1377.38	104.517	5.14	3.96	-7.45
5113.00	28.740	100.690	4787.38	-810.47	-349.06	1352.21	1732707.24	388781.30	39°33'48.813"N	80°26'53.167"W	1396.54	104.475	4.44	4.10	-3.63
5166.00	26.260	100.280	4834.39	-823.25	-353.52	1376.27	1732731.30	388776.84	39°33'48.772"N	80°26'52.860"W	1420.95	104.406	4.69	-4.68	-0.77
5213.00	23.520	100.120	4877.02	-833.50	-357.02	1395.74	1732750.76	388773.34	39°33'48.739"N	80°26'52.611"W	1440.67	104.348	5.83	-5.83	-0.34
5261.00	24.750	100.020	4920.82	-843.63	-360.46	1415.06	1732770.08	388769.91	39°33'48.707"N	80°26'52.363"W	1460.25	104.291	2.56	2.56	-0.21
5309.00	26.640	100.840	4964.08	-854.48	-364.23	1435.53	1732790.55	388766.13	39°33'48.672"N	80°26'52.102"W	1481.01	104.237	4.01	3.94	1.71
5356.00	29.030	100.130	5005.63	-865.94	-368.22	1457.10	1732812.13	388762.15	39°33'48.635"N	80°26'51.825"W	1502.91	104.182	5.13	5.09	-1.51
5404.00	31.500	98.890	5047.09	-878.21	-372.20	1480.96	1732835.98	388758.16	39°33'48.598"N	80°26'51.520"W	1527.02	104.108	5.31	5.15	-2.58
5450.00	29.880	97.950	5086.65	-889.75	-375.64	1504.18	1732859.20	388754.72	39°33'48.567"N	80°26'51.223"W	1550.38	104.022	3.67	-3.52	-2.04
5499.00	26.770	95.140	5129.78	-900.52	-378.32	1527.27	1732882.29	388752.04	39°33'48.543"N	80°26'50.928"W	1573.43	103.913	6.90	-6.35	-5.73
5545.00	23.890	95.350	5171.35	-909.22	-380.12	1546.87	1732901.88	388750.24	39°33'48.527"N	80°26'50.678"W	1592.89	103.806	6.26	-6.26	0.46
5592.00	24.530	94.810	5214.21	-917.69	-381.82	1566.06	1732921.08	388748.54	39°33'48.512"N	80°26'50.432"W	1611.94	103.702	1.44	1.36	-1.15
5640.00	25.560	96.890	5257.70	-926.87	-383.90	1586.27	1732941.29	388746.46	39°33'48.494"N	80°26'50.174"W	1632.07	103.605	2.82	2.15	4.33
5687.00	27.100	97.930	5299.82	-936.80	-386.60	1606.94	1732961.96	388743.77	39°33'48.469"N	80°26'49.910"W	1652.79	103.527	3.42	3.28	2.21
5732.00	25.140	97.520	5340.23	-946.32	-389.26	1626.57	1732981.59	388741.10	39°33'48.445"N	80°26'49.659"W	1672.50	103.459	4.37	-4.36	-0.91
5779.00	25.370	101.590	5382.74	-956.51	-392.59	1646.34	1733001.35	388737.77	39°33'48.414"N	80°26'49.406"W	1692.50	103.412	3.73	0.49	8.66
5826.00	26.070	106.060	5425.09	-968.16	-397.47	1666.13	1733021.14	388732.89	39°33'48.368"N	80°26'49.153"W	1712.88	103.418	4.39	1.49	9.51
5890.00	28.450	105.560	5481.97	-985.72	-405.45	1694.33	1733049.34	388724.91	39°33'48.292"N	80°26'48.792"W	1742.17	103.458	3.74	3.72	-0.78
5933.00	27.090	101.730	5564.27	-1010.36	-415.70	1736.41	1733071.42	388714.66	39°33'48.195"N	80°26'48.253"W	1785.48	103.463	2.41	-1.46	-4.12
6077.00	27.360	98.760	5647.86	-1032.66	-423.34	1778.72	1733133.72	388707.02	39°33'48.124"N	80°26'47.712"W	1828.40	103.388	1.47	0.29	-3.16
6171.00	27.480	99.720	5731.30	-1054.46	-430.29	1821.44	1733176.44	388700.07	39°33'48.060"N	80°26'47.165"W	1871.58	103.292	0.49	0.13	1.02
6265.00	27.140	100.710	5814.82	-1076.81	-437.94	1863.89	1733218.88	388692.43	39°33'47.988"N	80°26'46.622"W	1914.64	103.222	0.60	-0.36	1.05
6359.00	26.030	99.170	5898.88	-1098.44	-445.21	1905.32	1733260.31	388685.16	39°33'47.921"N	80°26'46.093"W	1956.64	103.152	1.39	-1.18	-1.64
6454.00	27.600	101.410	5983.67	-1120.72	-452.89	1947.47	1733302.46	388677.48	39°33'47.849"N	80°26'45.553"W	1999.44	103.092	1.97	1.65	2.36



Actual Wellpath Report

Shaver 2H AWP Proj: 13802'

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REFERENCE WELLPATH IDENTIFICATION

Operator	TRANS ENERGY Inc.	Slot	Slot 2
Area	Marion County, WV	Well	Shaver 2H
Field	Marion	Wellbore	Shaver 2H (AWB)
Facility	Shaver Pad		

49-02270

WV Department of Environmental Protection

WELLPATH DATA (214 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	Build Rate [°/100ft]	Turn Rate [°/100ft]
6548.00	27.740	103.330	6066.92	-1144.73	-462.24	1990.10	1733345.09	388668.13	39°33'47.761"N	80°26'45.008"W	2043.08	103.076	0.96	0.15
6642.00	27.750	106.090	6150.11	-1170.26	-473.35	2032.42	1733387.40	388657.02	39°33'47.656"N	80°26'44.466"W	2086.81	103.110	1.37	0.01
6737.00	27.980	107.380	6234.10	-1197.44	-486.13	2074.94	1733429.92	388644.23	39°33'47.534"N	80°26'43.921"W	2131.12	103.186	0.68	0.24
6831.00	27.930	104.080	6317.14	-1223.78	-498.08	2117.34	1733472.32	388632.29	39°33'47.421"N	80°26'43.378"W	2175.13	103.237	1.65	-0.05
6925.00	27.950	99.630	6400.19	-1247.66	-507.12	2160.41	1733515.39	388623.25	39°33'47.336"N	80°26'42.827"W	2219.13	103.210	2.22	0.02
7019.00	26.800	96.900	6483.66	-1268.80	-513.35	2203.17	1733558.15	388617.02	39°33'47.278"N	80°26'42.280"W	2262.19	103.116	1.81	-1.22
7114.00	26.850	98.030	6568.44	-1289.23	-518.92	2245.68	1733600.65	388611.45	39°33'47.228"N	80°26'41.737"W	2304.85	103.011	0.54	0.05
7208.00	26.840	101.890	6652.32	-1311.06	-526.26	2287.46	1733642.44	388604.11	39°33'47.160"N	80°26'41.202"W	2347.22	102.956	1.85	-0.01
7302.00	26.880	100.910	6736.18	-1333.82	-534.65	2329.10	1733684.06	388595.72	39°33'47.081"N	80°26'40.670"W	2389.67	102.928	0.47	0.04
7396.00	26.780	96.970	6820.06	-1354.98	-541.25	2370.99	1733725.95	388589.13	39°33'47.020"N	80°26'40.134"W	2431.98	102.859	1.89	-0.11
7490.00	27.120	95.910	6903.86	-1374.61	-546.02	2413.32	1733768.28	388584.35	39°33'46.977"N	80°26'39.593"W	2474.32	102.749	0.63	0.36
7585.00	27.040	96.770	6988.44	-1394.47	-550.80	2456.30	1733811.26	388579.58	39°33'46.935"N	80°26'39.044"W	2517.30	102.639	0.42	-0.08
7632.00	28.490	95.610	7030.03	-1404.47	-553.15	2478.06	1733833.02	388577.22	39°33'46.914"N	80°26'38.765"W	2539.05	102.583	3.29	3.09
7680.00	31.910	89.130	7071.52	-1413.97	-554.08	2502.16	1733857.11	388576.29	39°33'46.907"N	80°26'38.458"W	2562.77	102.486	9.83	7.12
7727.00	34.550	83.060	7110.84	-1421.49	-552.28	2527.82	1733882.77	388578.09	39°33'46.928"N	80°26'38.130"W	2587.45	102.324	9.03	-13.50
7773.00	35.380	79.210	7148.54	-1427.02	-548.21	2553.85	1733908.81	388582.16	39°33'46.970"N	80°26'37.798"W	2612.03	102.115	5.12	-8.37
7820.00	33.400	76.030	7187.33	-1431.01	-542.54	2579.78	1733934.73	388587.83	39°33'47.029"N	80°26'37.468"W	2636.21	101.876	5.69	-6.77
7868.00	29.120	72.290	7228.35	-1433.30	-535.79	2603.74	1733958.69	388594.58	39°33'47.098"N	80°26'37.163"W	2658.29	101.628	9.79	-7.79
7915.00	28.710	63.630	7269.51	-1432.90	-527.30	2624.75	1733979.70	388603.08	39°33'47.184"N	80°26'36.896"W	2677.19	101.359	8.94	-18.43
7962.00	29.540	48.890	7310.62	-1427.85	-514.65	2643.62	1733998.57	388615.72	39°33'47.311"N	80°26'36.657"W	2693.25	101.016	15.33	-31.36
8007.00	29.700	35.280	7349.79	-1417.84	-498.23	2658.44	1734013.38	388632.14	39°33'47.475"N	80°26'36.470"W	2704.72	100.615	14.93	-30.24
8057.00	29.450	24.950	7393.30	-1402.41	-476.96	2670.78	1734025.73	388653.41	39°33'47.687"N	80°26'36.315"W	2713.04	100.125	10.20	-20.66
8102.00	29.640	17.240	7432.47	-1385.97	-456.30	2678.75	1734033.70	388674.07	39°33'47.892"N	80°26'36.216"W	2717.34	99.667	8.45	-17.13
8151.00	31.350	9.050	7474.70	-1365.41	-432.13	2684.35	1734039.30	388698.24	39°33'48.131"N	80°26'36.148"W	2718.91	99.145	9.16	-16.71
8197.00	34.360	0.770	7513.36	-1342.98	-407.31	2686.41	1734041.35	388723.05	39°33'48.377"N	80°26'36.125"W	2717.11	98.621	11.74	-18.00
8246.00	37.530	355.090	7553.04	-1315.78	-378.60	2685.32	1734040.26	388751.76	39°33'48.660"N	80°26'36.143"W	2711.87	98.025	9.38	-11.59
8292.00	41.490	354.850	7588.52	-1287.65	-349.45	2682.75	1734037.69	388780.91	39°33'48.948"N	80°26'36.179"W	2705.41	97.421	8.62	-0.52
8341.00	44.510	358.090	7624.36	-1255.80	-316.11	2680.72	1734035.66	388814.25	39°33'49.277"N	80°26'36.210"W	2699.29	96.725	7.64	6.61
8388.00	48.330	359.480	7656.75	-1223.77	-282.08	2680.01	1734034.96	388848.28	39°33'49.614"N	80°26'36.223"W	2694.81	96.008	8.40	2.96
8435.00	53.500	355.260	7686.38	-1189.16	-245.66	2678.29	1734033.23	388884.69	39°33'49.973"N	80°26'36.250"W	2689.53	95.241	13.02	-8.98

Actual Wellpath Report
Shaver 2H AWP Proj: 13802'
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REFERENCE WELLPATH IDENTIFICATION

Operator	TRANS ENERGY Inc.	Slot	Slot 2
Area	Marion County, WV	Well	Shaver 2H
Field	Marion	Wellbore	Shaver 2H (AWB)
Facility	Shaver Pad		WV Department of Environmental Protection

Environmental Protection

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
8482.00	56.270	351.040	7713.42	-1151.89	-207.51	2673.68	1734028.63	388922.84	39°33'50.350"N	80°26'36.314"W	2681.72	94.438	9.42	5.89	-8.98
8530.00	58.930	348.430	7739.14	-1112.08	-167.64	2666.45	1734021.39	388962.71	39°33'50.743"N	80°26'36.412"W	2671.71	93.598	7.20	5.54	-5.44
8577.00	60.680	347.260	7762.78	-1071.94	-127.94	2657.89	1734012.84	389002.41	39°33'51.135"N	80°26'36.526"W	2660.97	92.756	4.30	3.72	-2.49
8625.00	63.970	346.060	7785.07	-1029.82	-86.58	2648.08	1734003.03	389043.76	39°33'51.542"N	80°26'36.657"W	2649.49	91.873	7.20	6.85	-2.50
8672.00	67.550	344.190	7804.37	-987.21	-45.17	2637.07	1733992.02	389085.17	39°33'51.950"N	80°26'36.803"W	2637.45	90.981	8.44	7.62	-3.98
8719.00	72.270	342.820	7820.51	-943.22	-2.87	2624.53	1733979.48	389127.47	39°33'52.367"N	80°26'36.969"W	2624.53	90.063	10.41	10.04	-2.91
8766.00	75.540	343.180	7833.54	-898.18	40.31	2611.33	1733966.28	389170.65	39°33'52.793"N	80°26'37.143"W	2611.64	89.116	7.00	6.96	0.77
8814.00	79.140	343.240	7844.05	-851.48	85.14	2597.81	1733952.76	389215.48	39°33'53.234"N	80°26'37.322"W	2599.20	88.123	7.50	7.50	0.12
8858.00	82.320	343.390	7851.14	-808.19	126.73	2585.34	1733940.29	389257.07	39°33'53.644"N	80°26'37.487"W	2588.44	87.194	7.24	7.23	0.34
8908.00	84.730	343.790	7856.78	-758.67	174.39	2571.31	1733926.26	389304.72	39°33'54.113"N	80°26'37.672"W	2577.21	86.120	4.89	4.82	0.80
8953.00	88.800	343.280	7859.32	-713.89	217.46	2558.57	1733913.53	389347.79	39°33'54.538"N	80°26'37.841"W	2567.80	85.142	9.11	9.04	-1.13
9004.00	89.910	342.240	7859.89	-663.00	266.17	2543.46	1733898.42	389396.49	39°33'55.018"N	80°26'38.040"W	2557.35	84.026	2.98	2.18	-2.04
9098.00	90.060	340.690	7859.92	-569.09	355.29	2513.58	1733868.54	389485.61	39°33'55.895"N	80°26'38.434"W	2538.57	81.955	1.66	0.16	-1.65
9192.00	90.000	338.950	7859.87	-475.11	443.52	2481.15	1733836.11	389573.83	39°33'56.764"N	80°26'38.860"W	2520.48	79.865	1.85	-0.06	-1.85
9287.00	90.090	338.910	7859.79	-380.11	532.17	2447.00	1733801.96	389662.47	39°33'57.636"N	80°26'39.308"W	2504.20	77.731	0.10	0.09	-0.04
9382.00	90.090	339.650	7859.64	-285.11	621.02	2413.39	1733768.35	389751.32	39°33'58.511"N	80°26'39.749"W	2492.01	75.570	0.78	0.00	0.78
9477.00	90.090	341.960	7859.49	-190.16	710.73	2382.16	1733737.12	389841.03	39°33'59.394"N	80°26'40.160"W	2485.92	73.387	2.43	0.00	2.43
9572.00	90.000	345.870	7859.42	-95.53	802.00	2355.84	1733710.81	389932.29	39°34'00.294"N	80°26'40.508"W	2488.61	71.200	4.12	-0.09	4.12
9667.00	90.030	340.410	7859.40	-0.81	892.88	2328.30	1733683.27	390023.16	39°34'01.189"N	80°26'40.872"W	2493.63	69.019	5.75	0.03	-5.75
9761.00	90.180	332.540	7859.22	93.02	979.00	2290.81	1733645.78	390109.28	39°34'02.036"N	80°26'41.362"W	2491.23	66.860	8.37	0.16	-8.37
9855.00	90.220	331.340	7858.89	186.31	1061.95	2246.59	1733601.57	390192.22	39°34'02.851"N	80°26'41.938"W	2484.94	64.700	1.28	0.04	-1.28
9951.00	90.090	336.990	7858.63	281.92	1148.32	2204.77	1733559.75	390278.59	39°34'03.700"N	80°26'42.483"W	2485.89	62.488	5.89	-0.14	5.89
10046.00	90.180	340.210	7858.41	376.91	1236.75	2170.12	1733525.09	390367.02	39°34'04.571"N	80°26'43.328"W	2497.79	60.321	3.39	0.09	3.39
10140.00	89.660	340.620	7858.54	470.88	1325.31	2138.61	1733493.59	390455.57	39°34'05.443"N	80°26'43.952"W	2515.97	58.213	0.70	-0.55	0.44
10234.00	89.600	340.690	7859.15	564.84	1414.01	2107.47	1733462.45	390544.26	39°34'06.316"N	80°26'44.761"W	2537.88	56.140	0.10	-0.06	0.07
10330.00	90.460	337.010	7859.10	660.82	1503.52	2072.84	1733427.82	390633.77	39°34'07.197"N	80°26'44.210"W	2560.71	54.045	3.94	0.90	-3.83
10424.00	90.150	336.590	7858.60	754.75	1589.92	2035.81	1733390.79	390720.16	39°34'08.047"N	80°26'44.700"W	2583.09	52.011	0.56	-0.33	-0.45
10520.00	90.120	340.520	7858.37	850.73	1679.26	2000.72	1733355.70	390809.49	39°34'08.926"N	80°26'45.160"W	2612.04	49.992	4.09	-0.03	4.09
10614.00	90.180	343.700	7858.13	944.58	1768.70	1971.84	1733326.83	390898.93	39°34'09.807"N	80°26'45.541"W	2648.86	48.109	3.38	0.06	3.38
10709.00	90.030	346.820	7857.95	1039.00	1860.56	1947.68	1733302.67	390990.79	39°34'10.713"N	80°26'45.862"W	2693.53	46.310	3.29	-0.16	3.28



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Actual Wellpath Report

Shaver 2H AWP Proj: 13802'

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REFERENCE WELLPATH IDENTIFICATION

Operator	TRANS ENERGY Inc.	Slot	Slot 2
Area	Marion County, WV	Well	Shaver 2H
Field	Marion	Wellbore	Shaver 2H (AWB)
Facility	Shaver Pad		

WELLPATH DATA (214 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
10804.00	91.170	346.930	7856.96	1133.10	1953.07	1926.11	1733281.10	391083.29	39°34'11.625"N	80°26'46.150"W	2743.06	44.602	1.21	1.20	0.12
10899.00	90.220	343.960	7855.80	1227.48	2045.01	1902.24	1733257.23	391175.22	39°34'12.531"N	80°26'46.467"W	2792.95	42.929	3.28	-1.00	-3.13
10993.00	91.200	340.300	7854.64	1321.31	2134.45	1873.40	1733228.39	391264.66	39°34'13.412"N	80°26'46.847"W	2839.98	41.273	4.03	1.04	-3.89
11087.00	90.180	348.640	7853.51	1414.79	2224.93	1848.26	1733203.25	391355.13	39°34'14.303"N	80°26'47.180"W	2892.47	39.717	8.94	-1.09	8.87
11181.00	91.140	357.620	7852.42	1505.85	2318.15	1837.02	1733192.02	391448.35	39°34'15.223"N	80°26'47.336"W	2957.78	38.395	9.61	1.02	9.55
11276.00	89.660	355.790	7851.76	1596.34	2412.98	1831.56	1733186.56	391543.18	39°34'16.160"N	80°26'47.419"W	3029.38	37.200	2.48	-1.56	-1.93
11370.00	90.250	351.830	7851.83	1687.20	2506.42	1821.43	1733176.43	391636.61	39°34'17.082"N	80°26'47.561"W	3098.34	36.006	4.26	0.63	-4.21
11464.00	88.280	346.800	7853.04	1779.64	2598.75	1804.01	1733159.01	391728.93	39°34'17.993"N	80°26'47.795"W	3163.53	34.768	5.75	-2.10	-5.35
11559.00	89.110	337.230	7855.21	1874.37	2688.97	1774.72	1733129.72	391819.15	39°34'18.882"N	80°26'48.182"W	3221.83	33.425	10.11	0.87	-10.07
11654.00	89.260	335.770	7856.56	1969.27	2776.08	1736.84	1733091.85	391906.26	39°34'19.738"N	80°26'48.677"W	3274.64	32.032	1.54	0.16	-1.54
11749.00	89.600	334.010	7857.50	2064.02	2862.10	1696.53	1733051.54	391992.26	39°34'20.584"N	80°26'49.203"W	3327.13	30.658	1.89	0.36	-1.85
11842.00	89.780	336.160	7858.01	2156.79	2946.44	1657.36	1733012.37	392076.60	39°34'21.414"N	80°26'49.715"W	3380.58	29.358	2.32	0.19	2.31
11937.00	90.650	339.690	7857.65	2251.76	3034.46	1621.66	1732976.67	392164.61	39°34'22.280"N	80°26'50.183"W	3440.60	28.121	3.83	0.92	3.72
12031.00	88.150	342.160	7858.63	2345.69	3123.28	1590.95	1732945.96	392253.43	39°34'23.154"N	80°26'50.587"W	3505.13	26.994	3.74	-2.66	2.63
12127.00	91.260	339.530	7859.13	2441.62	3213.94	1559.45	1732914.47	392344.09	39°34'24.047"N	80°26'51.001"W	3572.30	25.883	4.24	3.24	-2.74
12221.00	91.510	338.660	7856.86	2535.59	3301.73	1525.92	1732880.94	392431.87	39°34'24.911"N	80°26'51.441"W	3637.28	24.804	0.96	0.27	-0.93
12315.00	90.920	338.010	7854.86	2629.56	3389.07	1491.23	1732846.25	392519.20	39°34'25.771"N	80°26'51.896"W	3702.64	23.750	0.93	-0.63	-0.69
12411.00	91.820	335.860	7852.57	2725.46	3477.36	1453.63	1732808.65	392607.49	39°34'26.639"N	80°26'52.388"W	3768.96	22.686	2.43	0.94	-2.24
12506.00	91.910	335.850	7849.48	2820.27	3564.00	1414.79	1732769.82	392694.13	39°34'27.492"N	80°26'52.896"W	3834.55	21.651	0.10	0.09	-0.01
12601.00	91.880	337.770	7846.33	2915.14	3651.28	1377.40	1732732.43	392781.39	39°34'28.350"N	80°26'53.385"W	3902.44	20.668	2.02	-0.03	2.02
12696.00	90.400	339.080	7844.44	3010.11	3739.60	1342.48	1732697.51	392869.71	39°34'29.219"N	80°26'53.843"W	3973.27	19.748	2.08	-1.56	1.38
12791.00	90.400	340.260	7843.78	3105.10	3828.68	1309.48	1732664.51	392958.78	39°34'30.096"N	80°26'54.276"W	4046.42	18.882	1.24	0.00	1.24
12886.00	90.030	340.440	7843.42	3200.08	3918.14	1277.53	1732632.56	393048.25	39°34'30.977"N	80°26'54.696"W	4121.16	18.059	0.43	-0.39	0.19
12980.00	90.060	339.960	7843.35	3294.06	4006.59	1245.69	1732600.72	393136.68	39°34'31.848"N	80°26'55.115"W	4195.77	17.271	0.51	0.03	-0.51
13074.00	89.970	339.540	7843.33	3388.05	4094.78	1213.15	1732568.19	393224.87	39°34'32.716"N	80°26'55.542"W	4270.71	16.503	0.46	-0.10	-0.45
13169.00	90.030	339.600	7843.33	3483.04	4183.80	1179.99	1732535.03	393313.89	39°34'33.592"N	80°26'55.977"W	4347.02	15.750	0.09	0.06	0.06
13263.00	90.030	339.090	7843.28	3577.04	4271.76	1146.84	1732501.88	393401.84	39°34'34.458"N	80°26'56.413"W	4423.02	15.028	0.54	0.00	-0.54
13357.00	90.030	343.080	7843.23	3670.96	4360.66	1116.37	1732471.41	393490.74	39°34'35.334"N	80°26'56.814"W	4501.30	14.360	4.24	0.00	4.24
13452.00	90.030	342.290	7843.18	3765.76	4451.36	1088.10	1732443.14	393581.43	39°34'36.227"N	80°26'57.187"W	4582.42	13.736	0.83	0.00	-0.83
13547.00	90.060	341.910	7843.10	3860.62	4541.76	1058.90	1732413.94	393671.82	39°34'37.117"N	80°26'57.572"W	4663.57	13.124	0.40	0.03	-0.40



Actual Wellpath Report

Shaver 2H AWP Proj: 13802'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Slot	Slot 2
TRANS ENERGY Inc.	Well	Shaver 2H
Area	Wellbore	Shaver 2H (AWB)
Field		
Facility		

44.02270

WELLPATH DATA (214 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
13642.00	90.150	334.330	7842.93	3955.54	4629.85	1023.52	1732378.57	393759.91	39°34'37.984"N	80°26'58.036"W	4741.64	12.466	7.98	0.09	-7.98
13737.00	90.120	334.400	7842.70	4050.23	4715.50	982.42	1732337.47	393845.55	39°34'38.826"N	80°26'58.572"W	4816.75	11.769	0.08	-0.03	0.07
13777.00	90.060	333.290	7842.64	4090.07	4751.40	964.79	1732319.84	393881.46	39°34'39.179"N	80°26'58.802"W	4848.37	11.478	2.78	-0.15	-2.77
13802.00	90.060	333.290	7842.62	4114.95	4773.74	953.55	1732308.60	393903.79	39°34'39.399"N	80°26'58.949"W	4868.04	11.296	0.00	0.00	0.00

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Shaver 2H AWP Proj: 13802'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Slot	Slot 2
TRANS ENERGY Inc.	Well	Shaver 2H
Area	Wellbore	Shaver 2H (AWB)
Field		
Facility		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
POINT A		1451.06	-528.15	2952.60	1734307.53	388602.22	39°33'47.210"N	80°26'32.710"W	point
POINT B		1451.06	-87.04	2958.80	1734313.73	389043.30	39°33'51.570"N	80°26'32.690"W	point
POINT C		1451.06	1613.59	1545.79	1732900.81	390743.83	39°34'08.230"N	80°26'50.960"W	point
POINT D		1451.06	1329.65	1220.91	1732575.95	390459.91	39°34'05.390"N	80°26'55.070"W	point
POINT E		1451.06	2613.94	816.44	1732171.50	391744.12	39°34'18.040"N	80°27'00.408"W	point
POINT F		1451.06	4564.28	171.06	1731526.16	393694.34	39°34'37.247"N	80°27'08.913"W	point
POINT G		1451.06	5207.32	1423.64	1732778.66	394337.35	39°34'43.733"N	80°26'53.004"W	point
Shaver 2H LP Rev.2		7838.38	220.59	2557.39	1733912.34	389350.92	39°33'54.569"N	80°26'37.856"W	point
Shaver 2H PBHL Rev.1		7855.40	4771.77	810.36	1732165.42	393901.82	39°34'39.365"N	80°27'00.777"W	point
Shaver 2H PBHL Rev.2		7855.40	4771.77	945.00	1732300.05	393901.82	39°34'39.379"N	80°26'59.058"W	point

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Actual Wellpath Report

Shaver 2H AWP Proj: 13802'

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REFERENCE WELLPATH IDENTIFICATION

Operator	TRANS ENERGY Inc.	Slot	Slot 2
Area	Marion County, WV	Well	Shaver 2H
Field	Marion	Wellbore	Shaver 2H (AWB)
Facility	Shaver Pad		

49-02270

WELLPATH COMPOSITION - Ref Wellbore: Shaver 2H (AWB) Ref Wellpath: Shaver 2H AWP Proj: 13802'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
24.00	975.00	Generic gyro - northseeking (Standard)	01_MS Gyro 17.5in Section 100'-975'	Shaver 2H (AWB)
975.00	3073.00	NaviTrak (MagCorr)	02_BH NaviTrak 12.25in Section 1063'-3073'	Shaver 2H (AWB)
3073.00	5826.00	NaviTrak (MagCorr)	03_BH NaviTrak 8.75in Section 3141'-5826'	Shaver 2H (AWB)
5826.00	13777.00	NaviTrak (AT Curve Short Spaced)	04_BH AT Curve 8.75in Section 5890'-13777'	Shaver 2H (AWB)
13777.00	13802.00	Blind Drilling (std)	Projection to bit	Shaver 2H (AWB)

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