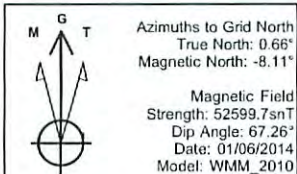




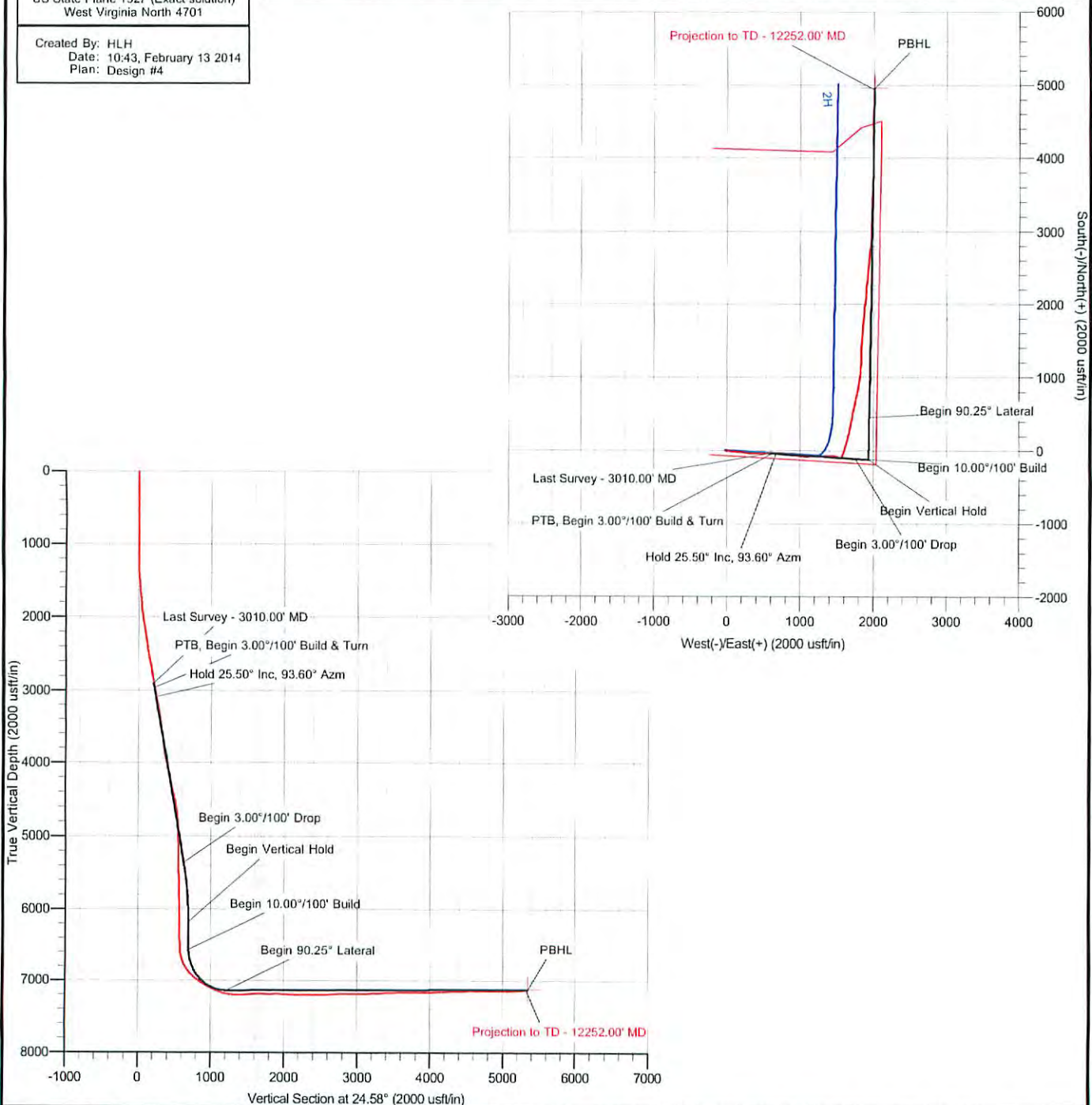
Company: Trans Energy Inc.
 Site: Woodruff
 Well: 1H
 Project: Marshall County, West Virginia (NAD 27)
 Rig Name: H&P 285



US State Plane 1927 (Exact solution)
 West Virginia North 4701

Created By: HLH
 Date: 10:43, February 13 2014
 Plan: Design #4

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation	
3010.00	21.50	89.40	2897.85	-36.12	590.91	212.95	0.00	Last Survey - 3010.00' MD	
3074.00	21.50	89.40	2957.39	-35.87	614.36	222.93	23.46	PTB, Begin 3.00°/100' Build & Turn	
3218.47	25.50	93.60	3089.86	-37.55	671.90	245.34	81.04	Hold 25.50° Inc, 93.60° Azm	
5728.47	25.50	93.60	5355.35	-105.40	1750.35	632.23	1161.62	Begin 3.00°/100' Drop	
6578.47	0.00	0.00	6177.57	-117.08	1936.03	698.85	1347.67	Begin Vertical Hold	
6968.97	0.00	0.00	6568.07	-117.08	1936.03	698.85	1347.67	Begin 10.00°/100' Build	
7871.46	90.25	0.79	7141.02	458.31	1944.01	1225.42	1923.12	Begin 90.25° Lateral	
12371.47	90.25	0.79	7121.44	4957.84	2006.43	5343.17	6423.08	PBHL	



The customer should only rely on this document after independently verifying all paths, targets, coordinates, lease and hard lines represented. Any decisions made or wells drilled utilizing this or any other information supplied by MS Energy are at the sole risk and responsibility of the customer. MS Energy is not responsible for the accuracy of this schematic or the information contained herein.



Trans Energy Inc.

Marshall County, West Virginia (NAD 27)

Woodruff

1H

Wellbore #1

Survey: MS MWD

Standard Survey Report

13 February, 2014

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Department of Environmental Protection

02/26/2016

Survey Report

Company:	Trans Energy Inc.	Local Co-ordinate Reference:	Well 1H
Project:	Marshall County, West Virginia (NAD 27)	TVD Reference:	WELL @ 1487.00usft (H&P 285)
Site:	Woodruff	MD Reference:	WELL @ 1487.00usft (H&P 285)
Well:	1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000 Conroe Server

Project	Marshall County, West Virginia (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	West Virginia North 4701		

Well	1H				
Well Position	+N/-S	0.00 usft	Northing:	495,708.69 usft	Latitude: 39° 51' 23.303 N
	+E/-W	0.00 usft	Easting:	1,711,785.17 usft	Longitude: 80° 31' 35.910 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level: 1,467.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	WMM_2010	01/06/14	-8.77	67.26	52,600

Design	Surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	24.58	

Survey Program	Date	02/13/14			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
235.00	12,252.00	MS MWD (Wellbore #1)	MWD	MWD - Standard	

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
235.00	1.40	27.60	234.98	2.54	1.33	2.87	0.60	0.60	0.00
325.00	1.60	24.90	324.95	4.66	2.37	5.22	0.24	0.22	-3.00
419.00	0.10	86.80	418.93	5.85	3.00	6.57	1.65	-1.60	65.85
512.00	0.40	197.00	511.93	5.55	2.99	6.29	0.48	0.32	118.49
601.00	0.40	248.80	600.93	5.14	2.61	5.76	0.39	0.00	58.20
693.00	0.50	213.00	692.93	4.69	2.09	5.13	0.32	0.11	-38.91
784.00	0.70	223.80	783.92	3.95	1.49	4.21	0.25	0.22	11.87
873.00	0.70	231.00	872.92	3.22	0.69	3.21	0.10	0.00	8.09
967.00	0.70	235.60	966.91	2.53	-0.23	2.21	0.06	0.00	4.99
1,003.00	0.70	244.80	1,002.91	2.31	-0.61	1.85	0.31	0.00	25.50
1,133.00	1.60	138.30	1,132.89	0.62	-0.12	0.51	1.48	0.69	-81.92
1,228.00	4.30	107.10	1,227.76	-1.42	4.17	0.44	3.21	2.84	32.84
1,322.00	6.90	90.10	1,321.31	-2.46	13.18	3.24	3.25	2.77	18.09
1,416.00	9.10	92.60	1,414.39	-2.81	26.26	8.36	2.37	2.34	2.66

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COMPASS 5000-1 Build 65

Survey Report

Company:	Trans Energy Inc.	Local Co-ordinate Reference:	Well 1H
Project:	Marshall County, West Virginia (NAD 27)	TVD Reference:	WELL @ 1487.00usft (H&P 285)
Site:	Woodruff	MD Reference:	WELL @ 1487.00usft (H&P 285)
Well:	1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000 Conroe Server

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
1,511.00	11.20	90.90	1,507.90	-3.30	42.99	14.88	2.23	2.21	-1.79	
1,605.00	12.70	94.60	1,599.86	-4.27	62.42	22.08	1.79	1.60	3.94	
1,699.00	14.90	97.90	1,691.14	-6.76	84.69	29.08	2.48	2.34	3.51	
1,794.00	17.20	95.00	1,782.43	-9.66	110.79	37.29	2.56	2.42	-3.05	
1,888.00	19.20	95.00	1,871.73	-12.22	140.03	47.13	2.13	2.13	0.00	
1,983.00	21.10	94.00	1,960.91	-14.78	172.65	58.38	2.03	2.00	-1.05	
2,077.00	23.00	97.40	2,048.03	-18.32	207.75	69.75	2.43	2.02	3.62	
2,172.00	26.00	97.30	2,134.47	-23.36	246.82	81.42	3.16	3.16	-0.11	
2,266.00	26.50	96.60	2,218.77	-28.39	288.09	94.02	0.63	0.53	-0.74	
2,360.00	27.00	94.20	2,302.72	-32.36	330.20	107.92	1.27	0.53	-2.55	
2,455.00	26.10	92.80	2,387.70	-34.96	372.58	123.19	1.15	-0.95	-1.47	
2,549.00	23.80	90.50	2,472.92	-36.14	412.21	138.60	2.66	-2.45	-2.45	
2,644.00	23.60	91.10	2,559.91	-36.67	450.39	154.00	0.33	-0.21	0.63	
2,738.00	22.70	89.30	2,646.34	-36.81	487.34	169.24	1.22	-0.96	-1.91	
2,833.00	22.50	89.70	2,734.05	-36.49	523.84	184.72	0.27	-0.21	0.42	
2,927.00	22.50	89.80	2,820.89	-36.33	559.81	199.82	0.04	0.00	0.11	
3,010.00	21.50	89.40	2,897.85	-36.12	590.91	212.95	1.22	-1.20	-0.48	
3,146.00	23.30	90.00	3,023.58	-35.86	642.73	234.74	1.33	1.32	0.44	
3,241.00	24.40	90.20	3,110.47	-35.93	681.14	250.66	1.16	1.16	0.21	
3,335.00	24.30	90.50	3,196.10	-36.16	719.90	266.56	0.17	-0.11	0.32	
3,430.00	24.30	94.50	3,282.69	-37.87	758.93	281.25	1.73	0.00	4.21	
3,524.00	24.20	95.20	3,368.40	-41.13	797.40	294.29	0.32	-0.11	0.74	
3,619.00	24.70	95.90	3,454.88	-44.94	836.54	307.10	0.61	0.53	0.74	
3,713.00	28.40	98.90	3,538.96	-50.42	878.17	319.44	4.19	3.94	3.19	
3,807.00	26.40	98.20	3,622.41	-56.86	920.95	331.38	2.16	-2.13	-0.74	
3,901.00	24.40	99.30	3,707.32	-62.97	960.80	342.39	2.19	-2.13	1.17	
3,996.00	23.90	102.00	3,794.00	-70.15	998.99	351.75	1.28	-0.53	2.84	
4,090.00	26.20	96.80	3,879.17	-76.56	1,038.23	362.24	3.39	2.45	-5.53	
4,184.00	28.40	87.70	3,962.73	-78.12	1,081.19	378.69	5.01	2.34	-9.68	
4,278.00	23.50	85.40	4,047.23	-75.72	1,122.23	397.95	5.32	-5.21	-2.45	
4,373.00	21.90	85.80	4,134.87	-72.91	1,158.79	415.71	1.69	-1.68	0.42	
4,467.00	28.60	90.90	4,219.85	-71.97	1,198.82	433.21	7.49	7.13	5.43	
4,561.00	31.40	90.50	4,301.24	-72.54	1,245.81	452.24	2.99	2.98	-0.43	
4,655.00	27.20	85.60	4,383.21	-71.11	1,291.74	472.65	5.14	-4.47	-5.21	
4,750.00	25.10	84.90	4,468.48	-67.65	1,333.46	493.15	2.23	-2.21	-0.74	
4,844.00	21.80	87.30	4,554.71	-65.05	1,370.77	511.03	3.65	-3.51	2.55	
4,938.00	19.20	92.10	4,642.76	-64.80	1,403.66	524.94	3.29	2.77	0.63	
5,033.00	20.20	92.70	4,732.19	-66.14	1,435.65	537.03	1.07	1.05	0.63	
5,127.00	17.00	94.50	4,821.27	-67.99	1,465.57	547.80	3.46	1.80	0.91	
5,221.00	15.30	113.10	4,911.62	-73.93	1,490.70	552.84	5.77	-1.81	-19.79	
5,316.00	10.90	113.60	5,004.13	-82.45	1,510.47	553.32	4.63	4.63	0.53	
5,410.00	8.30	109.70	5,096.80	-88.30	1,525.00	554.05	2.85	-2.77	-4.15	
5,504.00	6.20	108.80	5,190.05	-92.22	1,536.19	555.14	2.24	2.24	0.91	
5,598.00	4.80	104.00	5,283.61	-94.81	1,544.82	556.37	1.57	-1.49	-5.11	

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Survey Report

Company:	Trans Energy Inc.	Local Co-ordinate Reference:	Well 1H
Project:	Marshall County, West Virginia (NAD 27)	TVD Reference:	WELL @ 1487.00usft (H&P 285)
Site:	Woodruff	MD Reference:	WELL @ 1487.00usft (H&P 285)
Well:	1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000 Conroe Server

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,693.00	3.80	101.90	5,378.34	-96.42	1,551.75	557.79	1.07	-1.05	-2.21
5,787.00	2.90	99.30	5,472.18	-97.45	1,557.15	559.10	0.97	-0.96	-2.77
5,882.00	2.00	92.30	5,567.09	-97.90	1,561.18	560.36	1.00	-0.95	-7.37
5,976.00	1.50	76.30	5,661.05	-97.68	1,564.01	561.75	0.74	-0.53	-17.02
6,070.00	1.40	60.90	5,755.02	-96.83	1,566.21	563.43	0.43	-0.11	-16.38
6,165.00	0.90	38.50	5,850.00	-95.68	1,567.69	565.09	0.70	-0.53	-23.58
6,259.00	0.90	16.10	5,943.99	-94.39	1,568.35	566.54	0.37	0.00	-23.83
6,353.00	0.90	0.80	6,037.98	-92.94	1,568.57	567.95	0.25	0.00	-16.28
6,448.00	1.00	354.90	6,132.97	-91.37	1,568.50	569.35	0.15	0.11	-6.21
6,542.00	0.90	349.70	6,226.95	-89.83	1,568.30	570.67	0.14	-0.11	-5.53
6,637.00	1.10	348.70	6,321.94	-88.20	1,567.99	572.02	0.21	0.21	-1.05
6,731.00	1.10	353.30	6,415.92	-86.42	1,567.70	573.52	0.09	0.00	4.89
6,825.00	1.20	345.40	6,509.90	-84.57	1,567.35	575.05	0.20	0.11	-8.40
6,856.00	1.30	355.50	6,540.90	-83.91	1,567.24	575.61	0.78	0.32	32.58
6,888.00	3.90	5.20	6,572.86	-82.46	1,567.31	576.96	8.21	8.13	30.31
6,919.00	6.40	7.60	6,603.73	-79.70	1,567.64	579.60	8.09	8.06	7.74
6,951.00	10.30	14.00	6,635.39	-75.15	1,568.56	584.12	12.51	12.19	20.00
6,982.00	13.70	16.40	6,665.71	-68.94	1,570.27	590.48	11.08	10.97	7.74
7,014.00	16.70	18.20	6,696.58	-60.93	1,572.78	598.81	9.49	9.38	5.63
7,045.00	20.30	20.30	6,725.98	-51.66	1,576.04	608.60	11.81	11.61	6.77
7,077.00	23.40	21.50	6,755.67	-40.53	1,580.29	620.48	9.79	9.69	3.75
7,108.00	26.30	21.50	6,783.80	-28.42	1,585.07	633.49	9.35	9.35	0.00
7,139.00	30.20	21.20	6,811.10	-14.75	1,590.40	648.14	12.59	12.58	-0.97
7,171.00	33.90	20.00	6,838.22	1.14	1,596.37	665.07	11.73	11.56	-3.75
7,202.00	37.30	17.20	6,863.43	18.25	1,602.11	683.01	12.16	10.97	-9.03
7,234.00	41.80	18.00	6,888.09	37.66	1,608.27	703.23	14.15	14.06	2.50
7,265.00	44.70	17.00	6,910.67	57.92	1,614.65	724.31	9.61	9.35	-3.23
7,297.00	46.80	17.00	6,933.00	79.84	1,621.35	747.03	6.56	6.56	0.00
7,328.00	49.90	16.10	6,953.60	102.04	1,627.95	769.96	10.23	10.00	-2.90
7,360.00	53.10	14.70	6,973.52	126.18	1,634.59	794.68	10.57	10.00	-4.38
7,391.00	54.00	14.70	6,991.94	150.30	1,640.92	819.24	2.90	2.90	0.00
7,423.00	54.20	14.90	7,010.70	175.36	1,647.54	844.79	0.80	0.63	0.63
7,454.00	56.00	14.10	7,028.44	199.98	1,653.90	869.82	6.18	5.81	-2.58
7,486.00	57.80	13.10	7,045.91	226.03	1,660.20	896.13	6.20	5.63	-3.13
7,517.00	58.70	12.40	7,062.22	251.74	1,666.02	921.93	3.48	2.90	-2.26
7,548.00	61.40	11.20	7,077.70	278.03	1,671.51	948.12	9.33	8.71	-3.87
7,580.00	64.10	11.50	7,092.35	305.92	1,677.11	975.81	8.48	8.44	0.94
7,611.00	65.10	11.80	7,105.65	333.35	1,682.76	1,003.11	3.34	3.23	0.97
7,643.00	65.60	12.30	7,118.99	361.79	1,688.83	1,031.50	2.11	1.56	0.56
7,674.00	65.40	12.00	7,131.85	389.37	1,694.77	1,059.05	1.09	-0.65	-0.97
7,706.00	67.60	10.80	7,144.61	418.13	1,700.57	1,087.62	7.69	6.88	-3.75
7,737.00	70.70	9.80	7,155.64	446.63	1,705.75	1,115.69	10.44	10.00	-3.23
7,769.00	72.70	10.10	7,165.69	476.55	1,711.00	1,145.08	6.31	6.25	0.94

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Company:	Trans Energy Inc.	Local Co-ordinate Reference:	Well 1H
Project:	Marshall County, West Virginia (NAD 27)	TVD Reference:	WELL @ 1487.00usft (H&P 285)
Site:	Woodruff	MD Reference:	WELL @ 1487.00usft (H&P 285)
Well:	1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000 Conroe Server

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,800.00	75.40	10.70	7,174.21	505.87	1,716.38	1,173.98	8.91	8.71	1.94
7,832.00	78.70	10.30	7,181.38	536.53	1,722.06	1,204.22	10.38	10.31	-1.25
7,863.00	80.30	10.60	7,187.02	566.50	1,727.59	1,233.78	5.25	5.16	0.97
7,894.00	83.40	11.70	7,191.42	596.60	1,733.52	1,263.62	10.60	10.00	3.55
7,926.00	87.00	12.00	7,194.10	627.81	1,740.07	1,294.72	11.29	11.25	0.94
7,957.00	87.60	12.30	7,195.56	658.08	1,746.59	1,324.96	2.16	1.94	0.97
8,052.00	94.10	13.90	7,194.15	750.54	1,768.10	1,418.00	7.05	6.84	1.68
8,146.00	91.50	9.60	7,189.55	842.44	1,787.21	1,509.51	5.34	-2.77	-4.57
8,240.00	91.40	8.40	7,187.18	935.25	1,801.91	1,600.03	1.28	-0.11	-1.28
8,335.00	88.70	6.00	7,187.09	1,029.48	1,813.82	1,690.67	3.80	-2.84	-2.53
8,429.00	89.70	4.90	7,188.40	1,123.05	1,822.74	1,779.47	1.58	1.06	-1.17
8,523.00	90.90	6.00	7,187.91	1,216.62	1,831.67	1,868.28	1.73	1.28	1.17
8,618.00	88.80	356.80	7,188.16	1,311.48	1,833.99	1,955.51	9.93	-2.21	-9.68
8,712.00	87.50	3.10	7,191.20	1,405.38	1,833.91	2,040.87	6.84	-1.38	6.70
8,806.00	88.40	3.80	7,194.56	1,499.15	1,839.56	2,128.49	1.21	0.96	0.74
8,901.00	90.40	4.30	7,195.56	1,593.90	1,846.27	2,217.45	2.17	2.11	0.53
8,995.00	90.10	4.30	7,195.15	1,687.64	1,853.32	2,305.62	0.32	-0.32	0.00
9,089.00	88.10	5.30	7,196.62	1,781.29	1,861.18	2,394.05	2.38	-2.13	1.06
9,184.00	88.90	4.10	7,199.11	1,875.94	1,868.96	2,483.36	1.52	0.84	-1.26
9,278.00	93.10	6.00	7,197.47	1,969.53	1,877.23	2,571.91	4.90	4.47	2.02
9,372.00	94.10	6.20	7,191.57	2,062.81	1,887.20	2,660.89	1.08	1.06	0.21
9,467.00	93.10	4.70	7,185.60	2,157.19	1,896.20	2,750.46	1.90	-1.05	-1.58
9,561.00	91.90	4.50	7,181.50	2,250.80	1,903.73	2,838.72	1.29	-1.28	-0.21
9,655.00	89.60	5.40	7,180.27	2,344.43	1,911.84	2,927.24	2.63	-2.45	0.90
9,750.00	89.80	4.70	7,180.77	2,439.06	1,920.21	3,016.77	0.77	0.77	-0.14
9,844.00	90.40	4.80	7,180.60	2,532.74	1,927.99	3,105.20	0.65	0.64	0.11
9,938.00	91.60	6.70	7,178.96	2,626.25	1,937.41	3,194.15	2.39	1.28	2.02
10,033.00	91.70	5.90	7,176.23	2,720.63	1,947.83	3,284.32	0.85	0.11	0.84
10,127.00	92.50	7.20	7,172.78	2,813.95	1,958.54	3,373.64	1.62	0.85	1.38
10,222.00	91.20	5.50	7,169.72	2,908.32	1,969.04	3,463.82	2.25	-1.37	1.70
10,316.00	92.20	1.30	7,166.93	3,002.09	1,974.61	3,551.41	4.59	0.64	4.47
10,410.00	90.60	0.90	7,164.63	3,096.04	1,976.42	3,637.60	1.75	-1.70	-0.43
10,505.00	90.80	1.40	7,163.47	3,191.01	1,978.32	3,724.76	0.57	0.21	0.53
10,599.00	90.40	1.20	7,162.49	3,284.98	1,980.46	3,811.10	0.48	-0.43	-0.21
10,693.00	90.50	0.90	7,161.75	3,378.96	1,982.18	3,897.28	0.34	0.11	-0.32
10,788.00	91.00	1.00	7,160.50	3,473.94	1,983.75	3,984.31	0.54	0.53	0.11
10,882.00	91.10	1.70	7,158.78	3,567.90	1,985.97	4,070.67	0.75	0.11	0.74
10,976.00	91.40	2.30	7,156.73	3,661.82	1,989.25	4,157.44	0.71	0.32	0.64
11,071.00	92.30	2.10	7,153.66	3,756.70	1,992.89	4,245.24	0.97	0.95	-0.21
11,165.00	91.70	359.90	7,150.38	3,850.62	1,994.53	4,331.34	2.42	-0.64	-2.34
11,259.00	90.30	0.60	7,148.74	3,944.60	1,994.94	4,416.97	1.67	-1.49	0.74
11,353.00	91.10	0.70	7,147.59	4,038.59	1,996.01	4,502.88	0.86	0.85	0.11
11,448.00	89.30	358.80	7,147.26	4,133.58	1,995.59	4,589.09	2.75	-1.89	-2.00

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WV Department of Environmental Protection

Company:	Trans Energy Inc.	Local Co-ordinate Reference:	Well 1H
Project:	Marshall County, West Virginia (NAD 27)	TVD Reference:	WELL @ 1487.00usft (H&P 285)
Site:	Woodruff	MD Reference:	WELL @ 1487.00usft (H&P 285)
Well:	1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000 Conroe Server

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
11,542.00	90.00	359.10	7,147.84	4,227.56	1,993.87	4,673.84	0.81	0.74	0.32	
11,636.00	90.30	359.50	7,147.59	4,321.55	1,992.72	4,758.84	0.53	0.32	0.43	
11,730.00	90.70	1.10	7,146.77	4,415.55	1,993.21	4,844.52	1.75	0.43	1.70	
11,825.00	90.90	1.40	7,145.44	4,510.51	1,995.29	4,931.74	0.38	0.21	0.32	
11,919.00	91.30	0.50	7,143.64	4,604.48	1,996.85	5,017.85	1.05	0.43	-0.96	
12,014.00	92.00	1.90	7,140.90	4,699.42	1,998.83	5,105.01	1.65	0.74	1.47	
12,108.00	92.30	0.90	7,137.38	4,793.32	2,001.13	5,191.36	1.11	0.32	-1.06	
12,202.00	93.20	0.20	7,132.87	4,887.21	2,002.03	5,277.11	1.21	0.96	-0.74	
12,252.00	93.20	0.20	7,130.08	4,937.13	2,002.20	5,322.58	0.00	0.00	0.00	
Projection to TD - 12252.00' MD										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
12,252.00	7,130.08	4,937.13	2,002.20	Projection to TD - 12252.00' MD	