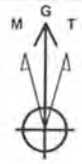




Company: Trans Energy Inc.  
 Site: Goshorn  
 Well: 4H  
 Project: Marshall County, West Virginia (NAD 27)  
 Rig Name: H&P 285

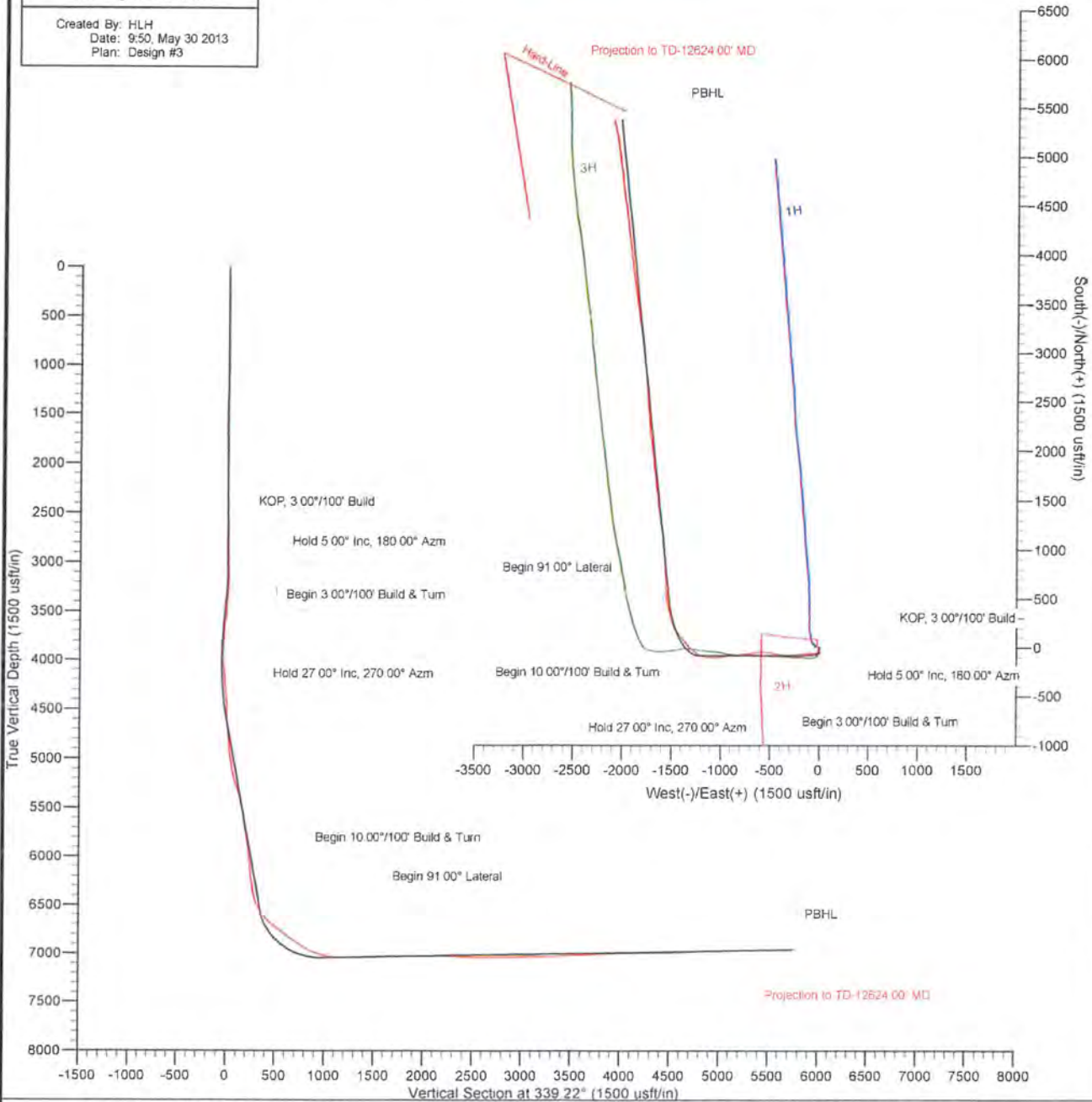


Azimuths to Grid North  
 True North: 0 71'  
 Magnetic North: -7 96'  
 Magnetic Field  
 Strength: 52673.7snT  
 Dip Angle: 67.31°  
 Date: 05/02/2013  
 Model: WMM\_2010

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

Created By: HLH  
 Date: 9:50, May 30 2013  
 Plan: Design #3

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation	
3100 00	0 00	0 00	3100 00	0 00	0 00	0 00	0 00	KOP, 3 00°/100' Build	
3266 67	5 00	180 00	3266 46	-7 27	0 00	-8 79	7 27	Hold 5 00° Inc, 180 00° Azm	
3717 67	5 00	180 00	3715 74	-46 57	0 00	-43 54	46 57	Begin 3 00°/100' Build & Turn	
4631 97	27 00	270 00	4595 32	-87 20	-211 63	-8 42	271 09	Hold 27 00° Inc, 270 00° Azm	
6837 33	27 00	270 00	6560 24	-87 19	-1212 99	348 93	1272 45	Begin 10 00°/100' Build & Turn	
7719 04	91 00	354 00	7045 00	464 65	-1522 97	974 85	1947 32	Begin 91 00° Lateral	
12653 24	91 00	354 00	6958 89	5371 07	-2038 66	5744 96	6880 77	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)  
Goshorn  
4H

Wellbore #1

Survey: MS MWD

## **Standard Survey Report**

30 May, 2013





**Company:** Trans Energy Inc  
**Project:** Marshall County, West Virginia (NAD 27)  
**Site:** Goshorn  
**Well:** 4H  
**Wellbore:** Wellbore #1  
**Design:** Surveys

**Local Co-ordinate Reference:** Well 4H  
**TVD Reference:** WELL @ 1340.00usft (H&P 285)  
**MD Reference:** WELL @ 1340.00usft (H&P 285)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** Well Planning Conroe

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

<b>Well</b>	4H				
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	481,172.63 usft	<b>Latitude:</b> 39° 48' 56.6940 N
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	1,686,709.20 usft	<b>Longitude:</b> 80° 36' 55.125 W
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b> 1,320.00 usft

**Wellbore** Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	WMM_2010	05/02/13	-8.67	67.31	52,674

**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	339.22

**Survey Program** Date 05/30/13

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
139.00	12,624.00	MS MWD (Wellbore #1)	MWD	MWD - Standard

**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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139.00	1.10	45.20	138.99	0.94	0.95	0.54	0.79	0.79	0.00
234.00	1.00	48.60	233.98	2.13	2.22	1.21	0.12	-0.11	3.58
325.00	0.90	62.20	324.96	2.99	3.44	1.57	0.27	-0.11	14.95
416.00	1.10	50.50	415.95	3.88	4.75	1.94	0.31	0.22	-12.86
509.00	0.30	318.40	508.94	4.63	5.28	2.46	1.24	-0.86	-99.03
601.00	0.50	238.50	600.94	4.60	4.77	2.61	0.58	0.22	-86.85
692.00	1.10	270.70	691.93	4.40	3.56	2.85	0.80	0.66	35.38
782.00	1.20	277.00	781.91	4.53	1.76	3.61	0.18	0.11	7.00
874.00	1.40	272.00	873.89	4.68	-0.32	4.49	0.25	0.22	-5.43
966.00	0.90	206.20	965.88	4.07	-1.76	4.43	1.43	-0.54	-71.52
991.00	1.40	198.00	990.87	3.61	-1.94	4.06	2.10	2.00	-32.80
1,062.00	1.80	183.60	1,061.84	1.67	-2.28	2.37	0.79	0.56	-20.28
1,154.00	2.00	173.00	1,153.79	-1.37	-2.17	-0.51	0.44	0.22	-11.52
1,278.00	2.00	174.00	1,277.72	-5.66	-1.68	-4.70	0.03	0.00	0.81



Survey Report

Company: Trans Energy Inc  
 Project: Marshall County, West Virginia (NAD 27)  
 Site: Goshorn  
 Well: 4H  
 Wellbore: Wellbore #1  
 Design: Surveys

Local Co-ordinate Reference: Well 4H  
 TVD Reference: WELL @ 1340.00usft (H&P 285)  
 MD Reference: WELL @ 1340.00usft (H&P 285)  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Database: Well Planning Conroe

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)
1,372.00	1.90	178.00	1,371.66	-8.85	-1.46	-7.76	0.18	-0.11	4.26
1,466.00	1.70	184.60	1,465.62	-11.80	-1.51	-10.50	0.31	-0.21	7.02
1,561.00	1.90	182.10	1,560.57	-14.78	-1.68	-13.22	0.23	0.21	-2.63
1,655.00	0.40	333.00	1,654.55	-16.04	-1.89	-14.33	2.40	-1.60	160.53
1,750.00	1.10	354.80	1,749.55	-14.84	-2.12	-13.12	0.78	0.74	22.95
1,844.00	1.40	356.40	1,843.52	-12.80	-2.28	-11.16	0.32	0.32	1.70
1,938.00	1.60	357.70	1,937.49	-10.34	-2.40	-8.81	0.22	0.21	1.38
2,032.00	1.50	359.80	2,031.46	-7.80	-2.46	-6.42	0.12	-0.11	2.23
2,127.00	1.50	10.10	2,126.42	-5.33	-2.25	-4.19	0.28	0.00	10.84
2,221.00	1.70	19.90	2,220.39	-2.81	-1.56	-2.07	0.36	0.21	10.43
2,315.00	0.70	8.80	2,314.37	-0.93	-0.99	-0.52	1.09	-1.06	-11.81
2,410.00	0.70	16.70	2,409.36	0.20	-0.74	0.45	0.10	0.00	8.32
2,504.00	0.80	5.70	2,503.35	1.40	-0.51	1.49	0.19	0.11	-11.70
2,598.00	0.80	357.30	2,597.34	2.71	-0.47	2.70	0.12	0.00	-8.94
2,693.00	0.80	357.80	2,692.33	4.04	-0.53	3.96	0.01	0.00	0.53
2,787.00	1.10	335.70	2,786.32	5.52	-0.93	5.49	0.50	0.32	-23.51
2,881.00	0.70	339.20	2,880.31	6.87	-1.50	6.96	0.43	-0.43	3.72
2,976.00	0.70	8.90	2,975.30	7.99	-1.62	8.04	0.38	0.00	31.26
3,047.00	0.70	17.40	3,046.30	8.83	-1.42	8.76	0.15	0.00	11.97
3,142.00	2.40	227.50	3,141.27	8.04	-2.71	8.48	3.19	1.79	-157.79
3,236.00	4.60	209.00	3,235.09	3.42	-5.99	5.32	2.60	2.34	-19.68
3,330.00	5.80	203.20	3,328.71	-4.25	-9.69	-0.53	1.39	1.28	-6.17
3,424.00	4.40	193.30	3,422.33	-12.12	-12.39	-6.94	1.75	-1.49	-10.53
3,519.00	6.30	192.70	3,516.92	-20.75	-14.38	-14.30	2.00	2.00	-0.63
3,613.00	6.90	196.30	3,610.29	-31.21	-17.10	-23.11	0.78	0.64	3.83
3,707.00	5.60	193.80	3,703.73	-41.08	-19.77	-31.39	1.41	-1.38	-2.66
3,802.00	6.00	223.40	3,798.27	-49.19	-24.29	-37.37	3.14	0.42	31.16
3,896.00	7.40	240.40	3,891.63	-55.75	-32.93	-40.44	2.57	1.49	18.09
3,990.00	9.40	255.90	3,984.63	-60.61	-45.64	-40.48	3.20	2.13	16.49
4,085.00	9.60	267.30	4,078.34	-62.88	-61.08	-37.11	1.99	0.21	12.00
4,179.00	9.90	275.10	4,170.98	-62.53	-76.96	-31.15	1.44	0.32	8.30
4,274.00	11.70	275.00	4,264.30	-60.96	-94.69	-23.40	1.89	1.89	-0.11
4,368.00	14.20	268.30	4,355.90	-60.47	-115.72	-15.48	3.10	2.66	-7.13
4,462.00	12.60	267.70	4,447.34	-61.23	-137.49	-8.46	1.71	-1.70	-0.64
4,557.00	13.10	259.40	4,539.97	-63.62	-158.42	-3.28	2.01	0.53	-8.74
4,651.00	13.80	257.40	4,631.39	-68.03	-179.84	0.20	0.89	0.74	-2.13
4,745.00	18.00	265.40	4,721.79	-71.64	-205.27	5.85	5.03	4.47	8.51
4,840.00	20.00	264.10	4,811.61	-74.49	-236.06	14.11	2.15	2.11	-1.37
4,934.00	20.30	264.90	4,899.85	-77.59	-268.30	22.64	0.43	0.32	0.85
5,028.00	20.40	265.70	4,987.99	-80.27	-300.87	31.70	0.31	0.11	0.85
5,123.00	23.90	272.40	5,075.97	-80.70	-336.63	43.98	4.54	3.68	7.05
5,217.00	26.60	277.90	5,161.00	-77.01	-376.51	61.58	3.80	2.67	5.85
5,311.00	28.40	282.30	5,244.38	-69.36	-419.21	83.88	2.89	1.91	-4.68
5,406.00	31.50	283.70	5,326.69	-58.66	-465.40	110.27	3.34	3.26	1.47



Survey Report

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**Local Co-ordinate Reference:** Well 4H  
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**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** Well Planning Conroe

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)
5,500.00	30.10	274.70	5,407.47	-50.91	-512.78	134.33	5.12	-1.49	-9.57
5,594.00	29.30	271.10	5,489.13	-48.54	-559.27	153.04	2.08	-0.85	-3.83
5,689.00	27.70	265.60	5,572.63	-49.78	-604.54	167.93	3.23	-1.68	-5.79
5,783.00	28.40	262.60	5,655.59	-54.34	-648.50	179.27	1.68	0.74	-3.19
5,878.00	30.40	264.90	5,738.35	-59.39	-694.85	190.99	2.42	2.11	2.42
5,972.00	28.70	262.60	5,820.13	-64.41	-740.92	202.65	2.17	-1.81	-2.45
6,066.00	26.10	259.80	5,903.58	-70.98	-783.67	211.67	3.09	-2.77	-2.98
6,160.00	27.40	262.50	5,987.52	-77.46	-825.46	220.43	1.89	1.38	2.87
6,255.00	27.70	266.10	6,071.75	-81.82	-869.17	231.87	1.78	0.32	3.79
6,352.00	27.20	259.50	6,157.85	-87.39	-913.47	242.37	3.18	-0.52	-6.80
6,447.00	29.60	260.60	6,241.41	-95.18	-957.97	250.88	2.59	2.53	1.16
6,540.00	34.20	261.20	6,320.35	-102.94	-1,006.49	260.84	4.96	4.95	0.65
6,635.00	37.80	266.60	6,397.21	-108.75	-1,061.97	275.09	5.05	3.79	5.68
6,729.00	39.90	275.50	6,470.47	-107.57	-1,120.79	297.06	6.34	2.23	9.47
6,824.00	41.50	289.50	6,542.64	-94.11	-1,180.91	330.97	9.74	1.68	14.74
6,855.00	42.50	294.40	6,565.69	-86.36	-1,200.14	345.04	11.06	3.23	15.81
6,886.00	43.60	298.80	6,588.34	-76.88	-1,219.05	360.61	10.32	3.55	14.19
6,918.00	44.30	302.60	6,611.39	-65.54	-1,238.13	377.99	8.53	2.19	11.88
6,949.00	46.00	306.90	6,633.25	-53.01	-1,256.17	396.10	11.26	5.48	13.87
6,981.00	47.90	310.20	6,655.10	-38.43	-1,274.45	416.22	9.59	5.94	10.31
7,012.00	49.70	313.50	6,675.52	-22.87	-1,291.81	436.93	9.89	5.81	10.65
7,044.00	51.70	317.70	6,695.79	-5.18	-1,309.12	459.61	11.92	6.25	13.13
7,075.00	53.30	320.00	6,714.67	13.34	-1,325.30	482.67	7.83	5.16	7.42
7,107.00	53.70	320.10	6,733.70	33.06	-1,341.82	506.96	1.27	1.25	0.31
7,138.00	53.90	319.70	6,752.01	52.20	-1,357.93	530.57	1.22	0.65	-1.29
7,170.00	54.20	319.60	6,770.80	71.94	-1,374.70	554.98	0.97	0.94	-0.31
7,201.00	54.50	319.40	6,788.86	91.09	-1,391.06	578.69	1.10	0.97	-0.65
7,233.00	54.80	319.70	6,807.38	110.96	-1,407.99	603.27	1.21	0.94	0.94
7,264.00	55.30	321.40	6,825.14	130.58	-1,424.14	627.34	4.78	1.61	5.48
7,295.00	55.80	325.10	6,842.66	151.07	-1,439.44	651.92	10.04	1.94	11.94
7,327.00	55.80	329.00	6,860.62	173.28	-1,453.84	677.80	10.09	-0.31	12.19
7,358.00	56.50	333.20	6,877.90	195.81	-1,466.27	703.28	11.48	2.26	13.55
7,390.00	55.90	335.50	6,895.70	219.78	-1,477.78	729.77	6.26	-1.88	7.19
7,421.00	56.50	339.00	6,912.95	243.53	-1,487.74	755.51	9.58	1.94	11.29
7,453.00	57.50	341.80	6,930.38	268.81	-1,496.74	782.34	7.98	3.13	8.75
7,484.00	60.10	343.50	6,946.44	294.12	-1,504.64	808.80	9.61	8.39	5.48
7,515.00	63.70	345.60	6,961.04	320.47	-1,511.91	836.02	13.06	11.61	6.77
7,547.00	66.40	346.90	6,974.54	348.65	-1,518.80	864.82	9.21	8.44	4.06
7,579.00	67.80	347.40	6,986.99	377.39	-1,525.36	894.01	4.61	4.38	1.56
7,610.00	70.30	348.20	6,998.07	405.69	-1,531.47	922.63	8.42	8.06	2.58
7,642.00	72.40	349.50	7,008.30	435.43	-1,537.33	952.52	7.61	6.56	4.06
7,673.00	75.30	351.70	7,016.93	464.81	-1,542.19	981.71	11.57	9.35	7.10
7,705.00	77.60	352.90	7,024.42	495.63	-1,546.36	1,012.01	8.06	7.19	3.75



Survey Report

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 Wellbore: Wellbore #1  
 Design: Surveys

Local Co-ordinate Reference: Well 4H  
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 Survey Calculation Method: Minimum Curvature  
 Database: Well Planning Conroe

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)
7,731.00	79.30	355.00	7,029.63	520.96	-1,549.04	1,036.64	10.26	6.54	8.08
7,762.00	82.00	355.10	7,034.67	551.43	-1,551.68	1,066.07	8.72	8.71	0.32
7,794.00	84.70	355.70	7,038.37	583.11	-1,554.23	1,096.59	8.64	8.44	1.88
7,825.00	86.90	356.90	7,040.64	613.96	-1,556.22	1,126.14	8.08	7.10	3.87
7,857.00	88.40	357.60	7,041.95	645.90	-1,557.76	1,156.54	5.17	4.69	2.19
7,951.00	92.00	357.40	7,041.63	739.79	-1,561.86	1,245.78	3.84	3.83	-0.21
8,046.00	92.80	356.90	7,037.65	834.59	-1,566.58	1,336.09	0.99	0.84	-0.53
8,140.00	92.50	358.50	7,033.30	928.41	-1,570.34	1,425.14	1.73	-0.32	1.70
8,233.00	92.70	356.40	7,029.08	1,021.22	-1,574.48	1,513.38	2.27	0.22	-2.26
8,329.00	89.90	352.70	7,026.90	1,116.73	-1,583.59	1,605.92	4.83	-2.92	-3.85
8,423.00	91.20	351.10	7,026.00	1,209.78	-1,596.84	1,697.61	2.19	1.38	-1.70
8,517.00	88.60	349.70	7,026.17	1,302.46	-1,612.51	1,789.82	3.14	-2.77	-1.49
8,612.00	88.80	352.90	7,028.32	1,396.33	-1,626.87	1,882.68	3.37	0.21	3.37
8,706.00	89.40	352.70	7,029.80	1,489.58	-1,638.65	1,974.04	0.67	0.64	-0.21
8,800.00	91.00	351.80	7,029.47	1,582.71	-1,651.33	2,065.62	1.95	1.70	-0.96
8,895.00	89.10	354.10	7,029.39	1,676.98	-1,662.99	2,157.89	3.14	-2.00	2.42
8,989.00	90.10	354.60	7,030.04	1,770.52	-1,672.24	2,248.63	1.19	1.06	0.53
9,084.00	88.00	353.30	7,031.62	1,864.97	-1,682.25	2,340.49	2.60	-2.21	-1.37
9,178.00	87.90	352.70	7,034.98	1,958.21	-1,693.70	2,431.72	0.65	-0.11	-0.64
9,272.00	88.30	352.50	7,038.10	2,051.38	-1,705.80	2,523.12	0.48	0.43	-0.21
9,367.00	88.10	354.50	7,041.08	2,145.72	-1,716.55	2,615.13	2.11	-0.21	2.11
9,461.00	90.60	353.40	7,042.15	2,239.18	-1,726.46	2,706.03	2.91	2.66	-1.17
9,555.00	91.60	355.70	7,040.34	2,332.73	-1,735.38	2,796.66	2.67	1.06	2.45
9,650.00	92.40	356.20	7,037.03	2,427.53	-1,740.43	2,887.09	2.76	0.84	2.63
9,744.00	90.50	354.50	7,034.65	2,521.29	-1,746.41	2,976.87	4.42	-2.02	-3.94
9,839.00	91.50	355.10	7,032.99	2,615.88	-1,755.02	3,068.36	1.23	1.05	0.63
9,933.00	91.10	355.40	7,030.86	2,709.53	-1,762.81	3,158.68	0.53	-0.43	0.32
10,027.00	91.10	355.50	7,029.05	2,803.22	-1,770.26	3,248.92	0.11	0.00	0.11
10,122.00	90.80	353.80	7,027.48	2,897.79	-1,779.12	3,340.48	1.82	-0.32	-1.79
10,216.00	92.50	353.40	7,024.77	2,991.16	-1,789.59	3,431.50	1.86	1.81	-0.43
10,311.00	92.80	352.50	7,020.38	3,085.34	-1,801.24	3,523.68	1.00	0.32	-0.95
10,405.00	93.00	353.10	7,015.62	3,178.48	-1,813.00	3,614.94	0.67	0.21	0.64
10,499.00	93.20	353.30	7,010.54	3,271.68	-1,824.12	3,706.02	0.30	0.21	0.21
10,594.00	92.00	352.20	7,006.23	3,365.82	-1,836.09	3,798.28	1.71	-1.26	-1.16
10,688.00	93.00	351.10	7,002.13	3,458.73	-1,849.73	3,889.99	1.58	1.06	-1.17
10,782.00	91.20	352.70	6,998.68	3,551.73	-1,862.97	3,981.63	2.56	-1.91	1.70
10,877.00	91.10	352.10	6,996.78	3,645.87	-1,875.53	4,074.11	0.64	-0.11	-0.63
10,971.00	91.00	352.50	6,995.06	3,739.01	-1,888.12	4,165.65	0.44	-0.11	0.43
11,065.00	90.90	352.40	6,993.50	3,832.18	-1,900.47	4,257.15	0.15	-0.11	-0.11
11,160.00	90.90	352.00	6,992.00	3,926.29	-1,913.36	4,349.71	0.42	0.00	-0.42
11,254.00	90.80	353.90	6,990.61	4,019.56	-1,924.90	4,441.01	2.02	-0.11	2.02
11,348.00	91.40	352.80	6,988.81	4,112.91	-1,935.78	4,532.14	1.33	0.64	-1.17
11,443.00	92.50	353.30	6,985.57	4,207.16	-1,947.27	4,624.33	1.27	1.16	0.53



**Company:** Trans Energy Inc.  
**Project:** Marshall County, West Virginia (NAD 27)  
**Site:** Goshorn  
**Well:** 4H  
**Wellbore:** Wellbore #1  
**Design:** Surveys

**Local Co-ordinate Reference:** Well 4H  
**TVD Reference:** WELL @ 1340.00usft (H&P 285)  
**MD Reference:** WELL @ 1340.00usft (H&P 285)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** Well Planning Conroe

**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)
11,537.00	93.30	354.00	6,980.82	4,300.46	-1,957.65	4,715.25	1.13	0.85	0.74
11,631.00	91.70	352.70	6,976.72	4,393.73	-1,968.53	4,806.32	2.19	-1.70	-1.38
11,726.00	91.60	352.20	6,973.98	4,487.87	-1,981.00	4,898.76	0.54	-0.11	-0.53
11,820.00	91.30	352.30	6,971.60	4,580.98	-1,993.67	4,990.31	0.34	-0.32	0.11
11,914.00	91.10	352.30	6,969.63	4,674.12	-2,006.27	5,081.85	0.21	-0.21	0.00
12,009.00	91.10	353.30	6,967.81	4,768.35	-2,018.17	5,174.17	1.05	0.00	1.05
12,103.00	91.00	353.10	6,966.09	4,861.67	-2,029.30	5,265.37	0.24	-0.11	-0.21
12,197.00	91.30	352.90	6,964.20	4,954.95	-2,040.75	5,356.65	0.38	0.32	-0.21
12,292.00	91.20	351.90	6,962.13	5,049.09	-2,053.31	5,449.12	1.06	-0.11	-1.05
12,386.00	91.80	350.90	6,959.67	5,142.00	-2,067.36	5,540.97	1.24	0.64	-1.06
12,480.00	91.40	349.60	6,957.04	5,234.61	-2,083.28	5,633.20	1.45	-0.43	-1.38
12,575.00	91.70	348.70	6,954.47	5,327.87	-2,101.15	5,726.74	1.00	0.32	-0.95
12,624.00	91.70	348.70	6,953.02	5,375.90	-2,110.75	5,775.05	0.00	0.00	0.00

Projection to TD-12624.00' MD

**Survey Annotations**

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,624.00	6,953.02	5,375.90	-2,110.75	Projection to TD-12624.00' MD