

103-02615



Company: Trans Energy Inc.
 Site: Blackshere Heirs
 Well: 200H
 Project: Wetzel County, West Virginia (NAD 83)
 Rig Name: H&P 285

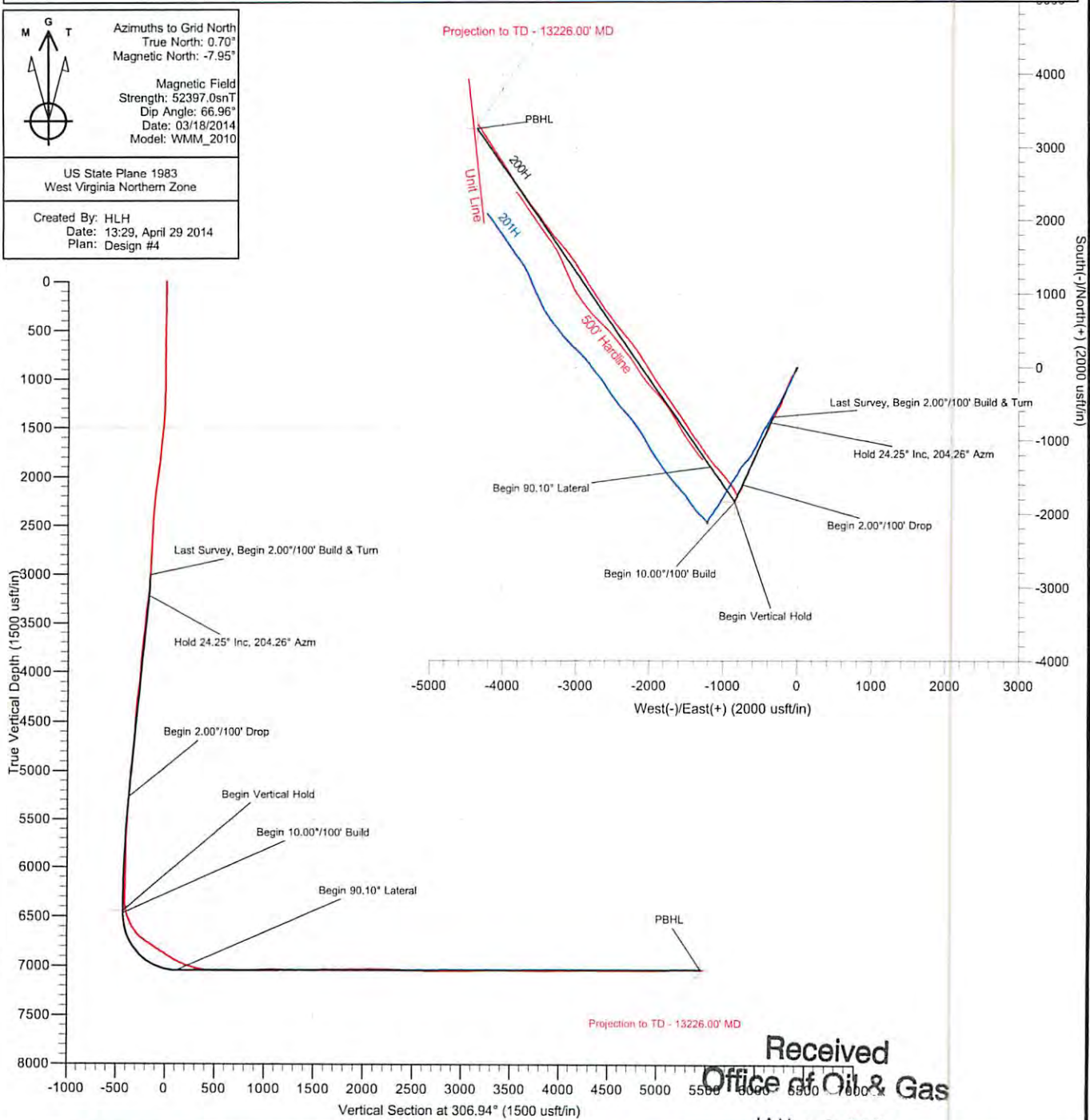


ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	V/Sect	Departure	Annotation	
3131.00	20.90	212.40	3005.92	-679.79	-313.91	-157.69	0.00	Last Survey, Begin 2.00"/100' Build & Turn	
3359.76	24.25	204.26	3217.17	-757.11	-355.10	-171.25	87.70	Hold 24.25° Inc, 204.26° Azm	
5610.51	24.25	204.26	5269.30	-1599.95	-734.97	-374.23	1012.19	Begin 2.00"/100' Drop	
6823.10	0.00	0.00	6446.00	-1830.44	-838.85	-429.74	1265.00	Begin Vertical Hold	
6847.14	0.00	0.00	6470.04	-1830.44	-838.85	-429.74	1265.00	Begin 10.00"/100' Build	
7748.16	90.10	325.46	7043.00	-1357.65	-1164.30	114.53	1838.98	Begin 90.10° Lateral	
13369.04	90.10	325.46	7033.00	3272.35	-4351.36	5444.50	7459.86	PBHL	

M G T
 Azimuths to Grid North
 True North: 0.70°
 Magnetic North: -7.95°
 Magnetic Field
 Strength: 52397.0snT
 Dip Angle: 66.96°
 Date: 03/18/2014
 Model: WMM_2010

US State Plane 1983
 West Virginia Northern Zone

Created By: HLH
 Date: 13:29, April 29 2014
 Plan: Design #4



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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.

02/06/2015

103.02615



Trans Energy Inc.

Wetzel County, West Virginia (NAD 83)

Blackshere Heirs

200H

Wellbore #1

Survey: MS MWD

Standard Survey Report

29 April, 2014

Received
Office of Oil & Gas

JAN 23 2015



02/06/2015

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Survey Report



Company:	Trans Energy Inc.	Local Co-ordinate Reference:	Well 200H
Project:	Wetzel County, West Virginia (NAD 83)	TVD Reference:	WELL @ 887.31usft (H&P 285)
Site:	Blackshere Heirs	MD Reference:	WELL @ 887.31usft (H&P 285)
Well:	200H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000 Conroe Server

Project	Wetzel County, West Virginia (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	West Virginia Northern Zone		

Well	200H				
Well Position	+N/-S	0.00 usft	Northing:	358,413.90 usft	Latitude: 39° 28' 44.029 N
	+E/-W	0.00 usft	Easting:	1,660,341.73 usft	Longitude: 80° 35' 30.336 W
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	Ground Level: 867.31 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	WMM_2010	2014/03/18	-8.64	66.96	52,397

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	204.47	

Survey Program	Date	2014/04/29			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
508.00	13,226.00	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
508.00	1.80	100.20	507.92	-1.41	7.85	-1.97	0.35	0.35	0.00
598.00	1.20	195.30	597.90	-2.57	9.00	-1.38	2.50	-0.67	105.67
688.00	3.70	215.40	687.81	-5.85	7.06	2.40	2.90	2.78	22.33
779.00	6.90	216.80	778.41	-12.62	2.09	10.62	3.52	3.52	1.54
871.00	9.10	215.20	869.51	-22.99	-5.42	23.17	2.40	2.39	-1.74
965.00	11.80	216.80	961.94	-36.77	-15.46	39.87	2.89	2.87	1.70
1,059.00	13.80	214.60	1,053.60	-53.69	-27.59	60.30	2.19	2.13	-2.34
1,154.00	15.60	211.00	1,145.49	-73.97	-40.60	84.14	2.12	1.89	-3.79
1,248.00	17.40	207.10	1,235.62	-97.32	-53.51	110.74	2.25	1.91	-4.15
1,342.00	19.20	208.30	1,324.86	-123.44	-67.25	140.21	1.96	1.91	1.28
1,437.00	20.80	207.60	1,414.13	-152.15	-82.47	172.64	1.70	1.68	-0.74
1,531.00	21.50	203.80	1,501.80	-182.70	-97.15	206.53	1.64	0.74	-4.04
1,625.00	21.30	203.30	1,589.32	-214.14	-110.86	240.82	0.29	-0.21	-0.53
1,719.00	21.20	202.10	1,676.93	-245.57	-124.00	274.88	0.47	-0.11	-1.28

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Survey Report



Company:	Trans Energy Inc.	Local Co-ordinate Reference:	Well 200H
Project:	Wetzel County, West Virginia (NAD 83)	TVD Reference:	WELL @ 887.31usft (H&P 285)
Site:	Blackshere Heirs	MD Reference:	WELL @ 887.31usft (H&P 285)
Well:	200H	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)
1,814.00	21.30	201.10	1,765.47	-277.58	-136.68	309.26	0.40	0.11	-1.05
1,908.00	21.40	199.60	1,853.02	-309.67	-148.58	343.39	0.59	0.11	-1.60
2,003.00	21.30	199.00	1,941.50	-342.31	-160.01	377.84	0.25	-0.11	-0.63
2,097.00	21.80	198.90	2,028.93	-374.96	-171.22	412.21	0.53	0.53	-0.11
2,191.00	21.00	196.70	2,116.45	-407.61	-181.72	446.27	1.21	-0.85	-2.34
2,286.00	18.80	201.20	2,205.77	-438.19	-192.14	478.42	2.82	-2.32	4.74
2,380.00	17.70	200.20	2,295.04	-465.72	-202.56	507.79	1.22	-1.17	-1.06
2,474.00	17.20	201.10	2,384.72	-492.10	-212.49	535.92	0.60	-0.53	0.96
2,569.00	17.20	205.80	2,475.47	-517.85	-223.66	563.98	1.46	0.00	4.95
2,663.00	18.30	208.30	2,565.00	-543.36	-236.71	592.60	1.42	1.17	2.66
2,757.00	19.80	211.20	2,653.85	-569.97	-251.95	623.14	1.89	1.60	3.09
2,852.00	19.50	211.50	2,743.32	-597.26	-268.57	654.86	0.33	-0.32	0.32
2,946.00	19.70	208.10	2,831.87	-624.61	-284.23	686.24	1.23	0.21	-3.62
3,033.00	19.30	206.00	2,913.89	-650.47	-297.44	715.25	0.93	-0.46	-2.41
3,131.00	20.90	212.40	3,005.92	-679.79	-313.91	748.76	2.77	1.63	6.53
3,226.00	24.90	204.00	3,093.44	-712.39	-331.14	785.56	5.43	4.21	-8.84
3,320.00	23.40	203.90	3,179.21	-747.53	-346.75	824.02	1.60	-1.60	-0.11
3,414.00	27.30	201.80	3,264.15	-784.63	-362.33	864.23	4.26	4.15	-2.23
3,509.00	25.60	196.50	3,349.21	-824.54	-376.25	906.33	3.06	-1.79	-5.58
3,603.00	30.20	208.70	3,432.33	-864.81	-393.39	950.08	7.78	4.89	12.98
3,698.00	30.70	209.40	3,514.23	-906.89	-416.77	998.07	0.65	0.53	0.74
3,792.00	30.50	207.60	3,595.14	-948.94	-439.60	1,045.80	1.00	-0.21	-1.91
3,886.00	30.20	204.40	3,676.26	-991.61	-460.42	1,093.26	1.75	-0.32	-3.40
3,981.00	26.00	202.60	3,760.05	-1,032.62	-478.30	1,137.99	4.51	-4.42	-1.89
4,075.00	23.00	204.30	3,845.58	-1,068.38	-493.78	1,176.95	3.28	-3.19	1.81
4,169.00	22.00	207.70	3,932.42	-1,100.71	-509.52	1,212.90	1.75	-1.06	3.62
4,264.00	23.00	203.50	4,020.20	-1,133.49	-525.20	1,249.22	1.99	1.05	-4.42
4,358.00	25.90	204.20	4,105.76	-1,169.06	-540.94	1,288.12	3.10	3.09	0.74
4,453.00	21.50	198.00	4,192.74	-1,204.57	-554.83	1,326.19	5.32	-4.63	-6.53
4,547.00	20.20	200.20	4,280.58	-1,236.18	-565.76	1,359.49	1.61	-1.38	2.34
4,642.00	19.30	203.30	4,370.00	-1,266.00	-577.64	1,391.55	1.45	-0.95	3.26
4,736.00	18.80	207.80	4,458.85	-1,293.66	-590.84	1,422.20	1.65	-0.53	4.79
4,830.00	20.20	206.90	4,547.46	-1,321.54	-605.25	1,453.54	1.52	1.49	-0.96
4,925.00	24.00	209.20	4,635.46	-1,353.04	-622.10	1,489.19	4.10	4.00	2.42
5,019.00	22.80	203.00	4,721.74	-1,386.50	-638.55	1,526.46	2.91	-1.28	-6.60
5,113.00	21.50	198.80	4,808.81	-1,419.58	-651.22	1,561.81	2.18	-1.38	-4.47
5,208.00	24.20	203.90	4,896.36	-1,453.87	-664.72	1,598.62	3.52	2.84	5.37
5,302.00	25.50	203.20	4,981.65	-1,490.08	-680.50	1,638.11	1.42	1.38	-0.74
5,397.00	20.70	204.00	5,069.01	-1,524.23	-695.39	1,675.37	5.06	-5.05	0.84
5,491.00	16.70	202.40	5,158.03	-1,551.91	-707.30	1,705.49	4.29	-4.26	-1.70
5,585.00	14.60	203.90	5,248.54	-1,575.23	-717.25	1,730.84	2.27	-2.23	1.60
5,680.00	15.80	202.80	5,340.21	-1,598.10	-727.11	1,755.74	1.30	1.26	-1.16
5,774.00	14.80	201.50	5,430.88	-1,621.07	-736.47	1,780.52	1.12	-1.06	-1.38
5,868.00	13.80	204.40	5,521.97	-1,642.45	-745.50	1,803.72	1.31	-1.06	3.09

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Survey Report



Company:	Trans Energy Inc.	Local Co-ordinate Reference:	Well 200H
Project:	Wetzel County, West Virginia (NAD 83)	TVD Reference:	WELL @ 887.31usft (H&P 285)
Site:	Blackshere Heirs	MD Reference:	WELL @ 887.31usft (H&P 285)
Well:	200H	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)
5,962.00	12.60	203.70	5,613.48	-1,662.05	-754.26	1,825.19	1.29	-1.28	-0.74
6,057.00	13.30	207.90	5,706.07	-1,681.20	-763.54	1,846.46	1.23	0.74	4.42
6,151.00	12.60	207.60	5,797.68	-1,699.84	-773.35	1,867.49	0.75	-0.74	-0.32
6,246.00	11.00	212.10	5,890.67	-1,716.70	-782.96	1,886.82	1.94	-1.68	4.74
6,340.00	10.10	215.00	5,983.08	-1,731.05	-792.46	1,903.81	1.11	-0.96	3.09
6,435.00	7.60	215.30	6,076.94	-1,743.00	-800.87	1,918.17	2.63	-2.63	0.32
6,529.00	6.20	200.90	6,170.27	-1,752.82	-806.27	1,929.35	2.36	-1.49	-15.32
6,592.00	4.50	196.90	6,232.99	-1,758.36	-808.20	1,935.19	2.76	-2.70	-6.35
6,623.00	2.20	139.40	6,263.94	-1,759.98	-808.17	1,936.65	12.26	-7.42	-185.48
6,655.00	4.70	68.40	6,295.89	-1,759.96	-806.55	1,935.96	14.04	7.81	-221.88
6,686.00	7.20	44.90	6,326.73	-1,758.12	-804.00	1,933.23	11.10	8.06	-75.81
6,718.00	8.00	20.50	6,358.45	-1,754.61	-801.80	1,929.13	10.30	2.50	-76.25
6,749.00	8.30	350.00	6,389.16	-1,750.38	-801.43	1,925.13	13.82	0.97	-98.39
6,781.00	11.40	334.60	6,420.69	-1,745.25	-803.19	1,921.18	12.63	9.69	-48.13
6,812.00	14.00	324.20	6,450.93	-1,739.44	-806.70	1,917.35	11.14	8.39	-33.55
6,844.00	17.30	331.30	6,481.74	-1,732.12	-811.25	1,912.57	11.91	10.31	22.19
6,875.00	20.70	332.30	6,511.05	-1,723.23	-816.01	1,906.45	11.02	10.97	3.23
6,907.00	23.90	331.50	6,540.65	-1,712.52	-821.74	1,899.07	10.04	10.00	-2.50
6,938.00	27.40	330.30	6,568.59	-1,700.80	-828.27	1,891.11	11.41	11.29	-3.87
6,969.00	30.30	329.70	6,595.74	-1,687.85	-835.75	1,882.42	9.40	9.35	-1.94
7,001.00	33.80	330.10	6,622.86	-1,673.16	-844.26	1,872.58	10.96	10.94	1.25
7,032.00	38.50	328.90	6,647.88	-1,657.41	-853.55	1,862.09	15.33	15.16	-3.87
7,064.00	42.80	327.60	6,672.16	-1,639.70	-864.52	1,850.51	13.70	13.44	-4.06
7,095.00	46.60	325.70	6,694.19	-1,621.49	-876.52	1,838.91	12.99	12.26	-6.13
7,127.00	51.60	324.60	6,715.13	-1,601.66	-890.34	1,826.58	15.84	15.63	-3.44
7,158.00	56.20	323.00	6,733.40	-1,581.46	-905.14	1,814.33	15.41	14.84	-5.16
7,190.00	57.50	324.30	6,750.89	-1,559.88	-921.02	1,801.26	5.30	4.06	4.06
7,221.00	57.20	323.00	6,767.62	-1,538.86	-936.49	1,788.54	3.66	-0.97	-4.19
7,253.00	57.60	321.70	6,784.86	-1,517.51	-952.95	1,775.93	3.64	1.25	-4.06
7,284.00	57.80	320.90	6,801.43	-1,497.06	-969.34	1,764.10	2.27	0.65	-2.58
7,315.00	57.80	317.70	6,817.95	-1,477.18	-986.44	1,753.09	8.73	0.00	-10.32
7,347.00	57.80	319.40	6,835.00	-1,456.89	-1,004.36	1,742.04	4.50	0.00	5.31
7,378.00	58.10	320.70	6,851.45	-1,436.74	-1,021.23	1,730.70	3.68	0.97	4.19
7,410.00	58.20	319.60	6,868.34	-1,415.88	-1,038.65	1,718.92	2.94	0.31	-3.44
7,441.00	58.30	320.10	6,884.65	-1,395.73	-1,055.65	1,707.62	1.41	0.32	1.61
7,473.00	57.90	318.60	6,901.56	-1,375.12	-1,073.34	1,696.19	4.17	-1.25	-4.69
7,504.00	57.80	318.90	6,918.06	-1,355.38	-1,090.65	1,685.39	0.88	-0.32	0.97
7,535.00	58.80	318.20	6,934.35	-1,335.61	-1,108.11	1,674.63	3.75	3.23	-2.26
7,567.00	62.40	319.40	6,950.05	-1,314.64	-1,126.47	1,663.14	11.71	11.25	3.75
7,598.00	65.40	321.20	6,963.69	-1,293.22	-1,144.24	1,651.01	10.99	9.68	5.81
7,630.00	68.40	321.40	6,976.25	-1,270.25	-1,162.64	1,637.72	9.39	9.38	0.63
7,661.00	69.20	323.30	6,987.46	-1,247.37	-1,180.29	1,624.21	6.27	2.58	6.13
7,693.00	70.30	323.60	6,998.53	-1,223.25	-1,198.17	1,609.66	3.55	3.44	0.94

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Site:	Blackshere Heirs	MD Reference:	WELL @ 887.31usft (H&P 285)
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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)
7,724.00	73.20	324.20	7,008.24	-1,199.46	-1,215.52	1,595.20	9.53	9.35	1.94
7,756.00	76.60	324.50	7,016.57	-1,174.36	-1,233.52	1,579.80	10.66	10.63	0.94
7,787.00	78.90	327.20	7,023.15	-1,149.29	-1,250.52	1,564.03	11.29	7.42	8.71
7,818.00	80.00	327.00	7,028.83	-1,123.71	-1,267.07	1,547.60	3.60	3.55	-0.65
7,850.00	82.40	327.50	7,033.72	-1,097.11	-1,284.18	1,530.48	7.66	7.50	1.56
7,881.00	84.60	324.30	7,037.23	-1,071.61	-1,301.45	1,514.42	12.47	7.10	-10.32
7,913.00	86.90	324.80	7,039.61	-1,045.62	-1,319.95	1,498.42	7.35	7.19	1.56
7,944.00	88.00	324.00	7,040.98	-1,020.44	-1,337.98	1,482.97	4.39	3.55	-2.58
8,038.00	89.40	323.70	7,043.12	-944.56	-1,393.42	1,436.87	1.52	1.49	-0.32
8,133.00	91.30	329.40	7,042.54	-865.33	-1,445.76	1,386.43	6.32	2.00	6.00
8,227.00	90.80	326.00	7,040.81	-785.90	-1,495.97	1,334.94	3.66	-0.53	-3.62
8,321.00	90.70	328.40	7,039.58	-706.90	-1,546.88	1,284.12	2.56	-0.11	2.55
8,416.00	90.90	325.00	7,038.26	-627.52	-1,599.03	1,233.46	3.58	0.21	-3.58
8,510.00	90.90	325.90	7,036.78	-550.11	-1,652.33	1,185.08	0.96	0.00	0.96
8,604.00	89.50	325.40	7,036.45	-472.50	-1,705.37	1,136.41	1.58	-1.49	-0.53
8,698.00	89.70	326.20	7,037.11	-394.76	-1,758.20	1,087.54	0.88	0.21	0.85
8,793.00	89.20	325.10	7,038.02	-316.33	-1,811.80	1,038.35	1.27	-0.53	-1.16
8,887.00	88.00	325.10	7,040.32	-239.26	-1,865.56	990.47	1.28	-1.28	0.00
8,981.00	92.00	329.10	7,040.32	-160.37	-1,916.60	939.80	6.02	4.26	4.26
9,076.00	91.10	328.20	7,037.75	-79.27	-1,966.01	886.45	1.34	-0.95	-0.95
9,170.00	91.00	328.80	7,036.02	0.86	-2,015.11	833.85	0.65	-0.11	0.64
9,264.00	90.70	327.80	7,034.63	80.83	-2,064.50	781.53	1.11	-0.32	-1.06
9,359.00	90.30	327.80	7,033.80	161.21	-2,115.12	729.33	0.42	-0.42	0.00
9,453.00	90.90	325.50	7,032.82	239.73	-2,166.79	679.27	2.53	0.64	-2.45
9,548.00	91.60	322.30	7,030.74	316.46	-2,222.75	632.60	3.45	0.74	-3.37
9,642.00	89.70	321.10	7,029.68	390.22	-2,281.00	589.60	2.39	-2.02	-1.28
9,736.00	89.00	319.40	7,030.74	462.48	-2,341.10	548.72	1.96	-0.74	-1.81
9,831.00	89.30	321.10	7,032.15	535.51	-2,401.84	507.40	1.82	0.32	1.79
9,925.00	88.50	321.80	7,033.96	609.01	-2,460.41	464.76	1.13	-0.85	0.74
10,020.00	88.10	324.20	7,036.78	684.84	-2,517.55	419.41	2.56	-0.42	2.53
10,114.00	87.30	322.00	7,040.55	759.94	-2,573.94	374.41	2.49	-0.85	-2.34
10,208.00	88.40	326.20	7,044.08	836.02	-2,629.00	327.97	4.62	1.17	4.47
10,302.00	87.50	324.80	7,047.44	913.43	-2,682.21	279.55	1.77	-0.96	-1.49
10,397.00	89.40	329.10	7,050.01	993.01	-2,733.99	228.56	4.95	2.00	4.53
10,424.00	89.80	328.10	7,050.20	1,016.06	-2,748.05	213.41	3.99	1.48	-3.70
10,518.00	90.60	324.50	7,049.87	1,094.25	-2,800.20	163.84	3.92	0.85	-3.83
10,613.00	91.30	330.00	7,048.29	1,174.10	-2,851.56	112.43	5.84	0.74	5.79
10,707.00	91.00	327.30	7,046.41	1,254.35	-2,900.46	59.64	2.89	-0.32	-2.87
10,801.00	91.20	327.80	7,044.60	1,333.66	-2,950.88	8.34	0.57	0.21	0.53
10,896.00	91.40	327.50	7,042.45	1,413.90	-3,001.70	-43.64	0.38	0.21	-0.32
10,990.00	90.60	322.90	7,040.81	1,491.05	-3,055.33	-91.65	4.97	-0.85	-4.89
11,084.00	89.80	320.30	7,040.48	1,564.71	-3,113.71	-134.52	2.89	-0.85	-2.77
11,179.00	89.10	321.50	7,041.39	1,638.43	-3,173.62	-176.80	1.46	-0.74	1.26

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103-02615

Company:	Trans Energy Inc.	Local Co-ordinate Reference:	Well 200H
Project:	Wetzel County, West Virginia (NAD 83)	TVD Reference:	WELL @ 887.31usft (H&P 285)
Site:	Blackshere Heirs	MD Reference:	WELL @ 887.31usft (H&P 285)
Well:	200H	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)	
11,273.00	88.60	320.80	7,043.28	1,711.62	-3,232.57	-219.00	0.92	-0.53	-0.74	
11,368.00	89.70	320.20	7,044.69	1,784.92	-3,292.99	-260.69	1.32	1.16	-0.63	
11,462.00	89.10	323.00	7,045.67	1,858.57	-3,351.37	-303.55	3.05	-0.64	2.98	
11,557.00	91.00	323.20	7,045.59	1,934.54	-3,408.41	-349.07	2.01	2.00	0.21	
11,651.00	91.30	324.70	7,043.70	2,010.52	-3,463.71	-395.32	1.63	0.32	1.60	
11,745.00	90.80	322.90	7,041.98	2,086.36	-3,519.22	-441.36	1.99	-0.53	-1.91	
11,840.00	90.20	324.00	7,041.15	2,162.67	-3,575.79	-487.38	1.32	-0.63	1.16	
11,934.00	90.20	324.10	7,040.82	2,238.77	-3,630.97	-533.79	0.11	0.00	0.11	
12,029.00	89.80	324.70	7,040.82	2,316.01	-3,686.28	-581.19	0.76	-0.42	0.63	
12,123.00	89.10	324.50	7,041.72	2,392.63	-3,740.73	-628.37	0.77	-0.74	-0.21	
12,217.00	90.30	325.80	7,042.21	2,469.76	-3,794.44	-676.34	1.88	1.28	1.38	
12,312.00	89.60	327.00	7,042.30	2,548.89	-3,847.01	-726.58	1.46	-0.74	1.26	
12,406.00	90.40	330.50	7,042.30	2,629.24	-3,895.76	-779.52	3.82	0.85	3.72	
12,500.00	90.20	326.60	7,041.81	2,709.41	-3,944.80	-832.18	4.15	-0.21	-4.15	
12,595.00	89.10	327.10	7,042.39	2,788.95	-3,996.75	-883.06	1.27	-1.16	0.53	
12,689.00	92.00	326.60	7,041.48	2,867.64	-4,048.14	-933.40	3.13	3.09	-0.53	
12,784.00	91.80	327.10	7,038.33	2,947.13	-4,100.06	-984.24	0.57	-0.21	0.53	
12,878.00	91.40	327.20	7,035.71	3,026.07	-4,151.03	-1,034.98	0.44	-0.43	0.11	
12,972.00	90.40	328.00	7,034.23	3,105.42	-4,201.39	-1,086.35	1.36	-1.06	0.85	
13,067.00	90.30	327.50	7,033.65	3,185.77	-4,252.08	-1,138.48	0.54	-0.11	-0.53	
13,161.00	89.10	325.80	7,034.14	3,264.28	-4,303.76	-1,188.54	2.21	-1.28	-1.81	
13,226.00	89.10	325.80	7,035.17	3,318.04	-4,340.29	-1,222.34	0.00	0.00	0.00	
Projection to TD - 13226.00' MD										

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
13,226.00	7,035.17	3,318.04	-4,340.29	Projection to TD - 13226.00' MD

Received
Office of Oil & Gas

