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**State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work**

API: 47-051-01476 County: MARSHALL District: LIBERTY
 Quad: CAMERON Pad Name: GOSHORN RIDGE Field/Pool Name: MARCELLUS
 Farm name: HUBBS, TIMOTHY JAMES WELL NAME : GOSHORN 3H
 Operator (as registered with the OOG): TRANS ENERGY, INC.
 Address: P. O. BOX 393 City: ST. MARYS State: WV Zip: 26170

As Drilled Location NAD 83/UTM *** SEE ATTACHED AS-DRILLED WELL PLAT ***

Top hole	Northing	<u>4407378.97</u>	Easting	<u>532920.54</u>
Landing Point of curve	Northing	<u>4407539.47</u>	Easting	<u>532294.39</u>
Bottom hole	Northing	<u>4409071.82</u>	Easting	<u>532183.76</u>

Elevation (ft): 1,310' GL Type of Well: NEW Type of Report: FINAL

Permit Type: HORIZONTAL 6A ← *Horizontal* Depth Type: SHALLOW

Type of Operation: DRILL

Well Type: GAS

Type of Completion: SINGLE Fluids Produced: GAS NGL and OIL

Drilled With: ROTARY

Drilling Media: MUD Intermediate hole: MUD

Production hole: MUD

Mud Type(s) and Additive(s) MUD TYPE - SYTHETIC BASE DRILLING MUD

ADDITIVES:	Calcium Carbonate	Hydrated Lime	Synvert Synthetic 1-L	Citric Acid	Drispac Low Vis
	Calcium Chloride	Cedar Fiber	Bentonite	Sodium Bicarbonate	L-20C
	Synvert LEM	Rubber Crumb	Soda Ash, dense	Glycerine	Bioclear
	Synvert Synthetic WA-L	Cottonseed Hulls	Lignite	Desco	
	Barite	Synvert Synthetic 11-L	Aluminum Sterate	Caustic Soda Beads	

Date permit issued: 8/5/2011 Date drilling commenced: 4/2/2013 Date drilling ceased: 5/4/2013

Date completion activities began: 6/18/2013 Date completion activities ceased: 6/30/2013

Verbal plugging: N/A Date permission granted: N/A Granted by: N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug.

Fresh water depth (s) ft: 60', 150'

Open mine(s) (Y/N) depths: N

Salt water depth(s) ft: N

Void(s) encountered (Y/N) depths: N

Coal Depth(s) ft: 862' Top

Cavern(s) encountered (Y/N) depths: N

Is coal being mined in area (Y/N) Y

RECEIVED
Office of Oil and Gas
AUG 20 2014
Reviewed by:
WV Department of Environmental Protection
AX 05/04/16

API:	<u>47-051-01476</u>	WELL NAME : <u>GOSHORN 3H</u>
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CASING STINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) Provide details below.
Conductor		<u>20"</u>	<u>100'</u>	<u>NEW</u>	<u>J-55 / 74</u>	<u>160'</u>	<u>Y</u>
Surface	<u>17 1/2"</u>	<u>13 3/8"</u>	<u>1154'</u>	<u>NEW</u>	<u>J-55 / 54.5</u>	<u>200'</u>	<u>Y</u>
Coal	-	-	-	-	-	-	-
Intermediate 1	<u>12 1/4"</u>	<u>9 5/8"</u>	<u>3045'</u>	<u>NEW</u>	<u>J-55 / 40</u>	<u>N/A</u>	<u>Y</u>
Intermediate 2	-	-	-	-	-	-	-
Intermediate 3	-	-	-	-	-	-	-
Production	<u>8 3/4"</u>	<u>5 1/2"</u>	<u>12,977'</u>	<u>NEW</u>	<u>P-110 / 20</u>	<u>N/A</u>	<u>Y</u>
Tubing	-	-	-	-	-	-	-
Packer type and Depth Set							

Comment Details:

CEMENT DATA	Class / type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	-	-	-	-	-	-	-
Surface	<u>TYPE 1</u>	<u>912</u>	<u>15.6</u>	<u>1.2</u>	<u>1094</u>	<u>Surface</u>	<u>8</u>
Coal	-	-	-	-	-	-	-
Intermediate 1	<u>Premium NE-1</u>	<u>1,206</u>	<u>15.6</u>	<u>1.21</u>	<u>1459</u>	<u>Surface</u>	<u>8</u>
Intermediate 2	-	-	-	-	-	-	-
Intermediate 3	-	-	-	-	-	-	-
Production	<u>Class A/Class H</u>	<u>1368 / 1345</u>	<u>13.5/15.6</u>	<u>1.44 / 1.18</u>	<u>1970 / 1587</u>	<u>Surface</u>	<u>10</u>
Tubing	-	-	-	-	-	-	-

Drillers TD (ft): 12,977' Loggers TD (ft): 12985'
 Deepest formation penetrated: MARCELLUS SHALE Plug back to (ft): N/A
 Plug back procedure: N/A

Kick off depth (ft) 6554'

Check all wireline logs run: caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored? NO Were cuttings collected? NO

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING

FRESH WATER STRING - 1 CENTRALIZER EVERY 160'

INTERMEDIATE STRING - 1 CENTRALIZER EVERY 100' FROM 3,300' TO 900'

PRODUCTION STRING - 1 CENTRALIZER EVERY 80' FROM TD TO ABOVE ROP 7000'

WAS WELL COMPLETED AS SHOT HOLE? NO DETAILS: _____

WAS WELL COMPLETED OPEN HOLE? NO DETAILS: _____

WERE TRACERS USED? NO TYPE OF TRACER(S) USED: N/A

API:	<u>47-051-01476</u>	WELL NAME : GOSHORN 3H
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PRODUCING FORMATION(S) MARCELLUS SHALE DEPTHS 7024' TVD 12,977' MD

GAS TEST: **N/A** OIL TEST: **N/A**
 SHUT-IN PRESSURE: Surface: _____ psi Bottom hole: _____ psi DURATION OF TEST: _____ hrs

OPEN FLOW	GAS: _____ mcfpd	OIL: _____ bpd	NGL: _____ bpd	WATER: _____ bpd	GAS MEASURED BY: ESTIMATED
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LITHOLOGY / FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H2S, ETC)
GORDON	<u>3052'</u>	<u>3407'</u>			
MIDDLESEX	<u>6785'</u>	<u>6871'</u>			
BURKETT	<u>6872'</u>	<u>6889'</u>			
TULLY	<u>6890'</u>	<u>6916'</u>			
HAMILTON	<u>6917'</u>	<u>6993'</u>			
MARCELLUS	<u>6994'</u>				


Please insert additional pages as applicable.

Drilling Contractor: **HELMERICH & PAYNE INTERNATIONAL DRILLING COMPANY**
 Address: **1437 SOUTH BOULDER AVENUE** City: **TULSA** State: **OK** Zip: **74119**

Logging Contractor: **DIVERSIFIED WELL LOGGING**
 Address: **440 Pennsylvania 519** City: **EIGHTY FOUR** State: **PA** Zip: **15330**

Cementing Company: **BAKER HUGHES**
 Address: **17015 ALDINE WESTFIELD ROAD** City: **HOUSTON** State: **TX** Zip: **77073-5101**

Stimulating Company: **GO FRAC**
 Address: **7000 CALMONT AVENUE, SUITE 310** City: **FORT WORTH** State: **TX** Zip: **76116**

Completed by: Leslie A. Gearhart, Vice President of Operations Telephone: 304/684-7053
 Signature:  DATE: 8-18-14

****SEE TWO (2) PAGE ATTACHMENT ENTITLED "HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT INFORMATION DISCLOSURE"*****

TRANS ENERGY, INC. - HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT INFORMATION DISCLOSURE

Fracture Start Date:	6/18/2013
Fracture End Date:	6/30/2013
State:	WEST VIRGINIA
County:	MARSHALL
API Number:	47-051-01476
Operator Name:	Trans Energy, Inc.
Well Name:	GOSHORN 3H
Federal Well:	No
Longitude:	80.615364
Latitude:	39.815758
Long/Lat Projection:	NAD27
True Vertical Depth (TVD):	7,024'
Total Clean Fluid Volume* (gal):	6,044,850

Ingredients Section:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Freshwater	Republic Energy	Frac Base	Water	7732-18-5	100.00%	90.99702%	None
100 Mesh	US Silica	Proppant	Sand	14808-60-7	100.00%	1.99967%	None
40/70 White Sand	US Silica	Proppant	Sand	14808-60-7	100.00%	3.80059%	None
30/50 White Sand	US Silica	Proppant	Sand	14808-60-7	100.00%	2.81133%	None
HCl Acid 10-15%	GoFrac	Acid	Hydrochloric Acid	7647-01-0	15.00%	0.03856%	None
Ferriplex 66	Chemplex	Iron Control	Acetic Acid	64-19-7	50.00%	0.00031%	None
			Citric Acid	77-92-9	30.00%	0.00019%	None
			Water	7732-18-5	35.00%	0.00022%	None
Greenflush	Chemplex	Cleaner	Alcohol Ethoxylate Surfactants	Proprietary	10.00%	0.00087%	None
Plexbreak 145	Chemplex	Non-Emulsifier	Cocamide Diethanolamine Salt	68603-42-9	10.00%	0.00005%	None
			Diethanolamine	111-42-2	5.00%	0.00003%	None
			Ethylene Glycol Monobutyl Ether	111-76-2	15.00%	0.00008%	None
			Methyl Alcohol	67-56-1	15.00%	0.00008%	None
			Water	7732-18-5	66.00%	0.00034%	None
Plexhib 256	Chemplex	Corrosion Inhibitor	Alcohol Ethoxylate Surfactants	Proprietary	30.00%	0.00014%	None
			Methyl Alcohol	67-56-1	70.00%	0.00032%	None
			n-olefins	Proprietary	10.00%	0.00005%	None
			Propargyl Alcohol	107-19-7	8.00%	0.00004%	None

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
			Thiourea-formaldehyde copolymer	68527-49-1	30.00%	0.00014%	None
Sodium Persulfate	Chemplex	Active Breaker	Sodium Persulfate	7775-27-1	100.00%	0.00128%	None
Plexslick 953	Chemplex	Friction Reducer	Alcohol Ethoxylate Surfactants	Proprietary	8.00%	0.00552%	None
			Hydrotreated Petroleum Distillate	64742-47-8	30.00%	0.02070%	None
			Polyacrylamide-co-acrylic acid	Proprietary	32.00%	0.02208%	None
			Water	7732-18-5	35.00%	0.02415%	None
Beta M-4.0	PfP	Guar Gel	Guar Gum	9000-30-0	50.00%	0.02685%	None
			Petroleum Distillate	64742-47-8	55.00%	0.02953%	None
			Clay	Proprietary	5.00%	0.00268%	None



Company: Trans Energy Inc.
 Site: Goshorn
 Well: 3H
 Project: Marshall County, West Virginia (NAD 27)
 Rig Name: H&P 285



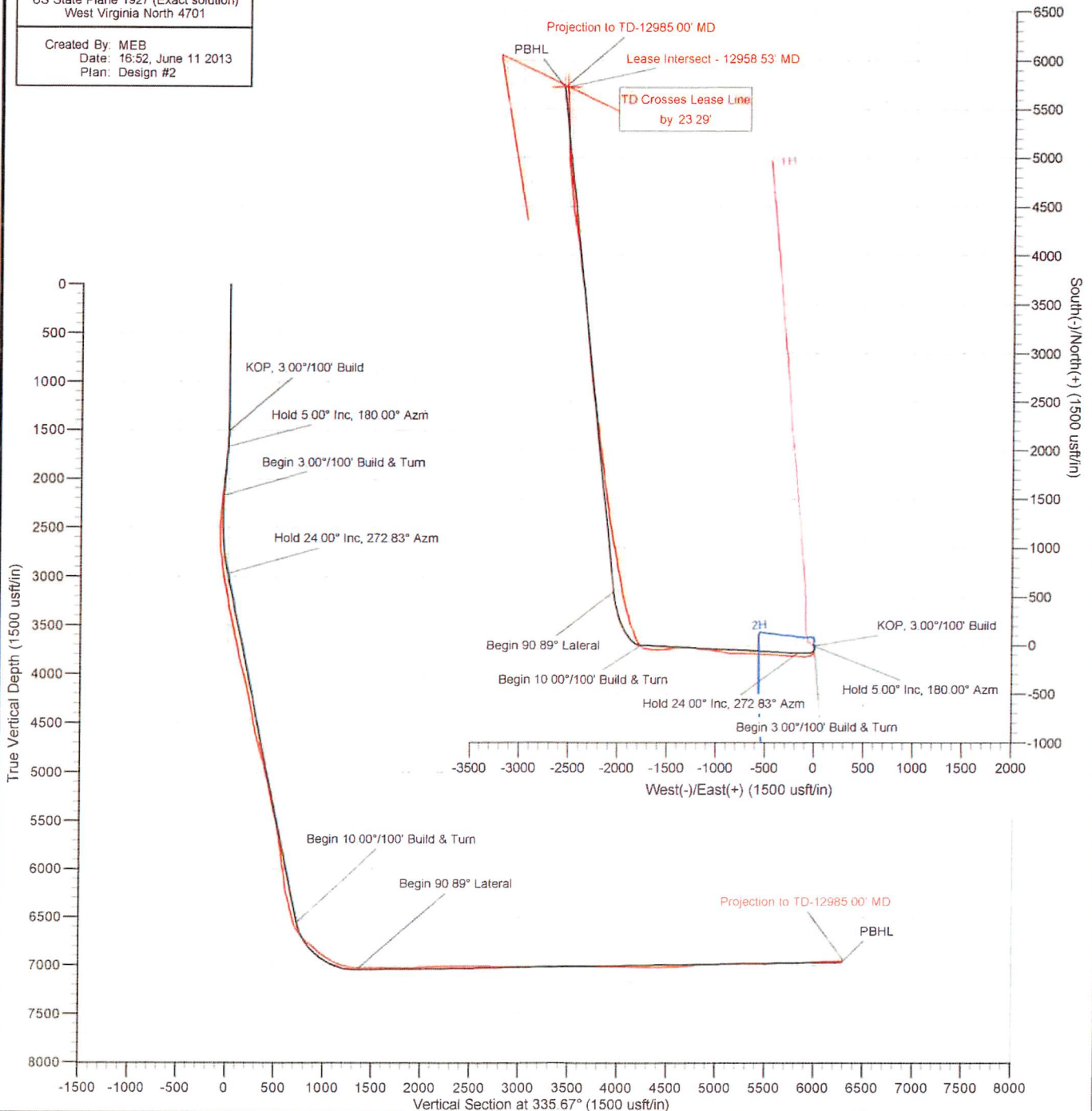
Azimuths to Grid North
 True North: 0.71°
 Magnetic North: -7.95°
 Magnetic Field
 Strength: 52687.4 nT
 Dip Angle: 67.32°
 Date: 03/22/2013
 Model: WMM_2010

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

Created By: MEB
 Date: 16:52, June 11 2013
 Plan: Design #2

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	V Sect	Departure	Annotation
1500.00	0.00	360.00	1500.00	0.00	0.00	0.00	0.00	KOP, 3.00°/100' Build
1666.67	5.00	180.00	1666.46	-7.27	0.00	-6.62	7.27	Hold 5.00° Inc, 180.00° Azm
2167.67	5.00	180.00	2165.55	-50.93	0.00	-46.41	50.93	Begin 3.00°/100' Build & Turn
2991.86	24.00	272.83	2964.99	-79.02	-170.06	-1.93	232.19	Hold 24.00° Inc, 272.83° Azm
6921.05	24.00	272.83	6554.48	-0.23	-1766.26	727.54	1830.34	Begin 10.00°/100' Build & Turn
7793.42	90.89	354.00	7044.77	553.64	-2045.12	1347.10	2485.23	Begin 90.89° Lateral
12993.42	90.89	354.00	6964.00	5724.53	-2588.61	6282.60	7684.60	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
3H

Wellbore #1

Survey: MS MWD

Standard Survey Report

11 June, 2013



MS Energy Services
 Survey Report



Company:	Trans Energy Inc.	Local Co-ordinate Reference:	Well 3H
Project:	Marshall County, West Virginia (NAD 27)	TVD Reference:	WELL @ 1340.00usft (H&P 285)
Site:	Goshorn	MD Reference:	WELL @ 1340.00usft (H&P 285)
Well:	3H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	Well Planning Conroe

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	3H					
Well Position	+N/-S	0.00 usft	Northing:	481,176.28 usft	Latitude:	39.8157579
	+E/-W	0.00 usft	Easting:	1,686,694.65 usft	Longitude:	-80.6153644
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	1,320.00 usft

Wellbore	Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)	
	WMM_2010	03/22/13	-8.66	67.32	52,667	

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	335.67		

Survey Program	Date	06/11/13			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
176.00	12,985.00	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
176.00	0.50	358.70	176.00	0.77	-0.02	0.71	0.28	0.28	0.00
267.00	0.80	39.20	266.99	1.66	0.38	1.36	0.58	0.33	44.51
357.00	0.60	59.30	356.99	2.38	1.18	1.69	0.35	-0.22	22.33
449.00	0.50	63.70	448.98	2.81	1.95	1.75	0.12	-0.11	4.78
539.00	0.50	56.60	538.98	3.20	2.63	1.83	0.07	0.00	-7.89
631.00	1.00	32.70	630.97	4.09	3.40	2.33	0.63	0.54	-25.98
724.00	0.90	242.40	723.97	4.44	3.19	2.73	1.97	-0.11	-161.61
814.00	1.60	239.50	813.94	3.47	1.48	2.56	0.78	0.78	-3.22
906.00	0.10	119.90	905.93	2.78	0.45	2.35	1.80	-1.63	-130.00
972.00	0.60	98.40	971.93	2.70	0.84	2.12	0.77	0.76	-32.58
1,061.00	0.80	79.60	1,060.92	2.75	1.91	1.72	0.34	0.22	-21.12
1,140.00	0.60	85.70	1,139.92	2.88	2.86	1.44	0.27	-0.25	7.72
1,281.00	0.70	103.80	1,280.91	2.73	4.44	0.66	0.16	0.07	12.84
1,375.00	1.00	81.70	1,374.90	2.71	5.81	0.08	0.47	0.32	-23.51



MS Energy Services
 Survey Report



Company:	Trans Energy Inc.	Local Co-ordinate Reference:	Well 3H
Project:	Marshall County, West Virginia (NAD 27)	TVD Reference:	WELL @ 1340.00usft (H&P 285)
Site:	Goshorn	MD Reference:	WELL @ 1340.00usft (H&P 285)
Well:	3H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	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)
1,469.00	1.20	161.30	1,468.89	1.90	6.93	-1.13	1.51	0.21	84.68
1,564.00	3.50	188.10	1,563.80	-1.92	6.84	-4.57	2.62	2.42	28.21
1,658.00	4.50	188.40	1,657.57	-8.41	5.90	-10.09	1.06	1.06	0.32
1,752.00	5.20	186.80	1,751.23	-16.29	4.86	-16.84	0.76	0.74	-1.70
1,847.00	5.60	185.40	1,845.81	-25.17	3.91	-24.55	0.44	0.42	-1.47
1,941.00	6.30	183.20	1,939.31	-34.89	3.19	-33.11	0.78	0.74	-2.34
2,035.00	7.00	180.30	2,032.67	-45.77	2.87	-42.89	0.83	0.74	-3.09
2,130.00	7.70	186.30	2,126.89	-57.88	2.15	-53.63	1.09	0.74	6.32
2,224.00	8.90	202.00	2,219.92	-70.89	-1.27	-64.07	2.72	1.28	16.70
2,318.00	8.90	218.60	2,312.80	-83.31	-8.53	-72.40	2.72	0.00	17.66
2,367.00	9.20	224.00	2,361.19	-89.09	-13.62	-75.57	1.84	0.61	11.02
2,461.00	9.20	237.70	2,454.00	-98.51	-25.19	-79.39	2.32	0.00	14.57
2,556.00	9.70	250.00	2,547.72	-105.31	-39.13	-79.84	2.19	0.53	12.95
2,650.00	11.60	257.90	2,640.10	-110.00	-55.82	-77.24	2.54	2.02	8.40
2,745.00	13.80	261.50	2,732.77	-113.68	-76.36	-72.12	2.46	2.32	3.79
2,839.00	14.90	266.50	2,823.84	-116.07	-99.52	-64.76	1.76	1.17	5.32
2,933.00	17.60	277.60	2,914.10	-114.93	-125.68	-52.95	4.37	2.87	11.81
3,000.00	19.90	274.90	2,977.54	-112.62	-147.08	-42.02	3.67	3.43	-4.03
3,142.00	19.90	272.90	3,111.06	-109.33	-195.30	-19.16	0.48	0.00	-1.41
3,236.00	20.20	272.50	3,199.36	-107.81	-227.49	-4.51	0.35	0.32	-0.43
3,331.00	20.60	275.80	3,288.41	-105.41	-260.50	11.28	1.28	0.42	3.47
3,425.00	22.50	273.90	3,375.83	-102.51	-294.90	28.09	2.15	2.02	-2.02
3,519.00	25.10	272.80	3,461.83	-100.32	-332.77	45.69	2.81	2.77	-1.17
3,614.00	24.10	274.50	3,548.21	-97.81	-372.23	64.23	1.29	-1.05	1.79
3,708.00	25.00	271.80	3,633.71	-95.68	-411.22	82.24	1.53	0.96	-2.87
3,802.00	24.10	270.80	3,719.22	-94.79	-450.26	99.13	1.05	-0.96	-1.06
3,897.00	25.40	272.20	3,805.49	-93.74	-490.02	116.47	1.50	1.37	1.47
3,991.00	28.70	274.50	3,889.20	-91.19	-532.68	136.37	3.68	3.51	2.45
4,085.00	28.10	274.60	3,971.88	-87.64	-577.24	157.96	0.64	-0.64	0.11
4,180.00	28.30	273.20	4,055.61	-84.59	-622.03	179.19	0.73	0.21	-1.47
4,274.00	27.30	271.20	4,138.76	-82.90	-665.83	198.78	1.45	-1.06	-2.13
4,368.00	27.70	271.20	4,222.14	-81.99	-709.22	217.49	0.43	0.43	0.00
4,463.00	24.40	270.10	4,307.48	-81.49	-750.93	235.12	3.51	-3.47	-1.16
4,557.00	23.30	269.80	4,393.45	-81.52	-788.94	250.76	1.18	-1.17	-0.32
4,651.00	22.80	272.40	4,479.95	-80.82	-825.73	266.55	1.21	-0.53	2.77
4,746.00	23.90	275.50	4,567.17	-78.21	-863.28	284.40	1.74	1.16	3.26
4,840.00	26.00	280.50	4,652.40	-72.63	-902.50	305.65	3.16	2.23	5.32
4,934.00	25.80	280.00	4,736.96	-65.32	-942.90	328.95	0.32	-0.21	-0.53
5,029.00	25.70	278.70	4,822.53	-58.62	-983.63	351.84	0.60	-0.11	-1.37
5,123.00	26.30	280.50	4,907.01	-51.74	-1,024.25	374.84	1.05	0.64	1.91
5,217.00	25.60	272.10	4,991.56	-47.20	-1,065.03	395.78	3.98	-0.74	-8.94
5,312.00	23.60	275.40	5,077.94	-44.65	-1,104.48	414.35	2.55	-2.11	3.47
5,406.00	22.10	275.70	5,164.56	-41.13	-1,140.81	432.53	1.60	-1.60	0.32
5,500.00	21.30	277.60	5,251.90	-37.11	-1,175.33	450.41	1.13	-0.85	2.02



MS Energy Services
 Survey Report



Company:	Trans Energy Inc	Local Co-ordinate Reference:	Well 3H
Project:	Marshall County, West Virginia (NAD 27)	TVD Reference:	WELL @ 1340.00usft (H&P 285)
Site:	Goshorn	MD Reference:	WELL @ 1340.00usft (H&P 285)
Well:	3H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	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)
5,595.00	21.10	279.90	5,340.47	-31.89	-1,209.28	469.16	0.90	-0.21	2.42
5,689.00	19.90	285.10	5,428.53	-24.81	-1,241.40	488.84	2.32	-1.28	5.53
5,783.00	19.40	280.20	5,517.06	-17.88	-1,272.21	507.85	1.83	-0.53	-5.21
5,878.00	21.50	268.60	5,606.10	-15.51	-1,305.16	523.58	4.79	2.21	-12.21
5,972.00	24.60	265.50	5,692.59	-17.47	-1,341.90	536.93	3.54	3.30	-3.30
6,067.00	26.50	261.40	5,778.30	-22.19	-1,382.57	549.39	2.73	2.00	-4.32
6,161.00	26.00	262.70	5,862.61	-27.94	-1,423.74	561.11	0.81	-0.53	1.38
6,255.00	23.80	259.90	5,947.87	-33.89	-1,462.86	571.81	2.65	-2.34	-2.98
6,350.00	24.70	263.80	6,034.49	-39.39	-1,501.47	582.70	1.93	0.95	4.11
6,444.00	26.60	262.50	6,119.23	-44.26	-1,541.86	594.90	2.11	2.02	-1.38
6,538.00	26.00	263.60	6,203.50	-49.31	-1,583.20	607.34	0.82	-0.64	1.17
6,633.00	24.90	276.00	6,289.34	-49.54	-1,623.81	623.86	5.72	-1.16	13.05
6,727.00	22.70	284.10	6,375.36	-43.05	-1,661.10	645.14	4.19	-2.34	8.62
6,821.00	22.50	281.00	6,462.15	-35.20	-1,696.35	666.81	1.28	-0.21	-3.30
6,854.00	23.20	279.10	6,492.56	-32.96	-1,708.96	674.04	3.08	2.12	-5.76
6,885.00	22.60	280.70	6,521.11	-30.89	-1,720.85	680.83	2.79	-1.94	5.16
6,917.00	23.50	290.50	6,550.57	-27.51	-1,732.87	688.86	12.30	2.81	30.63
6,948.00	26.20	300.00	6,578.71	-21.92	-1,744.59	698.78	15.52	8.71	30.65
6,980.00	28.70	308.40	6,607.11	-13.62	-1,756.74	711.35	14.39	7.81	26.25
7,011.00	31.70	315.70	6,633.91	-3.16	-1,768.27	725.63	15.28	9.68	23.55
7,043.00	35.60	323.70	6,660.56	10.38	-1,779.66	742.66	18.43	12.19	25.00
7,074.00	38.30	327.80	6,685.33	25.79	-1,790.13	761.01	11.79	8.71	13.23
7,105.00	42.20	331.20	6,708.99	43.05	-1,800.27	780.92	14.44	12.58	10.97
7,137.00	46.80	336.10	6,731.82	63.14	-1,810.18	803.31	17.93	14.38	15.31
7,168.00	49.40	339.40	6,752.52	84.50	-1,818.90	826.36	11.54	8.39	10.65
7,200.00	49.40	339.30	6,773.35	107.23	-1,827.47	850.61	0.24	0.00	-0.31
7,231.00	49.50	338.70	6,793.50	129.22	-1,835.91	874.13	1.51	0.32	-1.94
7,263.00	49.20	337.90	6,814.35	151.78	-1,844.89	898.38	2.12	-0.94	-2.50
7,294.00	48.80	338.30	6,834.68	173.49	-1,853.61	921.75	1.62	-1.29	1.29
7,326.00	49.80	338.10	6,855.55	196.01	-1,862.62	945.99	3.16	3.13	-0.63
7,357.00	52.40	340.30	6,875.02	218.57	-1,871.18	970.06	10.04	8.39	7.10
7,388.00	53.90	342.30	6,893.61	242.06	-1,879.13	994.75	7.08	4.84	6.45
7,420.00	55.60	344.80	6,912.08	267.12	-1,886.52	1,020.63	8.30	5.31	7.81
7,451.00	57.50	345.20	6,929.17	292.11	-1,893.21	1,046.15	6.22	6.13	1.29
7,483.00	59.50	344.50	6,945.88	318.44	-1,900.35	1,073.08	6.52	6.25	-2.19
7,514.00	62.10	344.80	6,961.01	344.53	-1,907.51	1,099.81	8.43	8.39	0.97
7,546.00	66.10	346.40	6,974.98	372.41	-1,914.66	1,128.16	13.28	12.50	5.00
7,577.00	69.40	347.40	6,986.72	400.35	-1,921.16	1,156.29	11.06	10.65	3.23
7,609.00	71.30	347.00	6,997.48	429.74	-1,927.83	1,185.82	6.05	5.94	-1.25
7,640.00	73.80	347.60	7,006.78	458.58	-1,934.33	1,214.78	8.27	8.06	1.94
7,672.00	78.40	346.40	7,014.46	488.84	-1,941.32	1,245.23	14.83	14.38	-3.75
7,726.00	87.30	350.40	7,021.18	541.27	-1,952.07	1,297.43	18.04	16.48	7.41
7,757.00	87.80	349.80	7,022.50	571.78	-1,957.39	1,327.42	2.52	1.61	-1.94



MS Energy Services
 Survey Report



Company: Trans Energy Inc.
Project: Marshall County, West Virginia (NAD 27)
Site: Goshorn
Well: 3H
Wellbore: Wellbore #1
Design: Surveys

Local Co-ordinate Reference: Well 3H
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)
7,851.00	89.30	350.60	7,024.88	664.37	-1,973.38	1,418.39	1.81	1.60	0.85
7,946.00	90.20	348.50	7,025.30	757.79	-1,990.61	1,510.60	2.40	0.95	-2.21
8,040.00	90.50	350.30	7,024.72	850.18	-2,007.90	1,601.91	1.94	0.32	1.91
8,135.00	90.60	349.10	7,023.81	943.64	-2,024.89	1,694.07	1.27	0.11	-1.26
8,229.00	90.20	347.50	7,023.15	1,035.68	-2,043.95	1,785.79	1.75	-0.43	-1.70
8,325.00	92.40	351.30	7,020.98	1,130.00	-2,061.60	1,879.00	4.57	2.29	3.96
8,420.00	93.50	349.90	7,016.09	1,223.59	-2,077.10	1,970.67	1.87	1.16	-1.47
8,515.00	90.90	352.30	7,012.44	1,317.37	-2,091.78	2,062.16	3.72	-2.74	2.53
8,610.00	90.60	352.60	7,011.20	1,411.54	-2,104.26	2,153.11	0.45	-0.32	0.32
8,705.00	90.20	352.20	7,010.53	1,505.70	-2,116.82	2,244.09	0.60	-0.42	-0.42
8,801.00	90.40	353.20	7,010.03	1,600.92	-2,129.02	2,335.88	1.06	0.21	1.04
8,896.00	89.30	352.30	7,010.28	1,695.16	-2,141.01	2,426.68	1.50	-1.16	-0.95
8,991.00	90.00	352.10	7,010.86	1,789.27	-2,153.90	2,517.75	0.77	0.74	-0.21
9,087.00	91.10	352.50	7,009.94	1,884.40	-2,166.76	2,609.73	1.22	1.15	0.42
9,181.00	88.70	352.30	7,010.10	1,977.57	-2,179.20	2,699.75	2.56	-2.55	-0.21
9,276.00	89.50	352.80	7,011.59	2,071.75	-2,191.51	2,790.64	0.99	0.84	0.53
9,370.00	89.70	352.60	7,012.25	2,164.99	-2,203.46	2,880.52	0.30	0.21	-0.21
9,464.00	90.60	352.70	7,012.00	2,258.22	-2,215.48	2,970.42	0.96	0.96	0.11
9,559.00	89.80	354.10	7,011.67	2,352.58	-2,226.40	3,060.90	1.70	-0.84	1.47
9,653.00	90.00	353.40	7,011.84	2,446.02	-2,236.63	3,150.26	0.77	0.21	-0.74
9,747.00	91.10	353.90	7,010.93	2,539.44	-2,247.03	3,239.66	1.29	1.17	0.53
9,842.00	90.00	352.50	7,010.02	2,633.77	-2,258.28	3,330.25	1.87	-1.16	-1.47
9,936.00	88.60	353.90	7,011.17	2,727.09	-2,269.41	3,419.87	2.11	-1.49	1.49
10,030.00	89.50	353.90	7,012.73	2,820.55	-2,279.39	3,509.14	0.96	0.96	0.00
10,125.00	90.40	354.20	7,012.81	2,915.03	-2,289.24	3,599.29	1.00	0.95	0.32
10,219.00	89.00	353.60	7,013.30	3,008.50	-2,299.23	3,688.57	1.62	-1.49	-0.64
10,313.00	89.90	353.90	7,014.21	3,101.93	-2,309.46	3,777.92	1.01	0.96	0.32
10,408.00	90.20	354.20	7,014.12	3,196.42	-2,319.31	3,868.08	0.45	0.32	0.32
10,502.00	90.90	354.30	7,013.22	3,289.94	-2,328.73	3,957.17	0.75	0.74	0.11
10,597.00	89.10	353.90	7,013.22	3,384.44	-2,338.49	4,047.29	1.94	-1.89	-0.42
10,691.00	89.00	352.50	7,014.78	3,477.76	-2,349.62	4,136.91	1.49	-0.11	-1.49
10,785.00	89.20	352.50	7,016.26	3,570.94	-2,361.89	4,226.88	0.21	0.21	0.00
10,880.00	90.00	353.50	7,016.92	3,665.23	-2,373.46	4,317.56	1.35	0.84	1.05
10,974.00	90.60	353.50	7,016.43	3,758.63	-2,384.11	4,407.04	0.64	0.64	0.00
11,069.00	91.60	353.40	7,014.60	3,852.99	-2,394.94	4,497.49	1.06	1.05	-0.11
11,163.00	91.40	352.80	7,012.14	3,946.27	-2,406.23	4,587.14	0.67	-0.21	-0.64
11,257.00	93.10	352.70	7,008.45	4,039.45	-2,418.08	4,676.92	1.81	1.81	-0.11
11,352.00	94.90	353.00	7,001.83	4,133.47	-2,429.88	4,767.46	1.92	1.89	0.32
11,446.00	93.00	352.10	6,995.35	4,226.45	-2,442.04	4,857.19	2.24	-2.02	-0.96
11,541.00	93.30	350.40	6,990.13	4,320.20	-2,456.47	4,948.56	1.81	0.32	-1.79
11,635.00	94.10	351.40	6,984.06	4,412.82	-2,471.30	5,039.07	1.36	0.85	1.06
11,729.00	93.20	353.20	6,978.08	4,505.78	-2,483.87	5,128.95	2.14	-0.96	1.91
11,824.00	91.70	354.10	6,974.02	4,600.11	-2,494.37	5,219.22	1.84	-1.58	0.95



MS Energy Services
 Survey Report



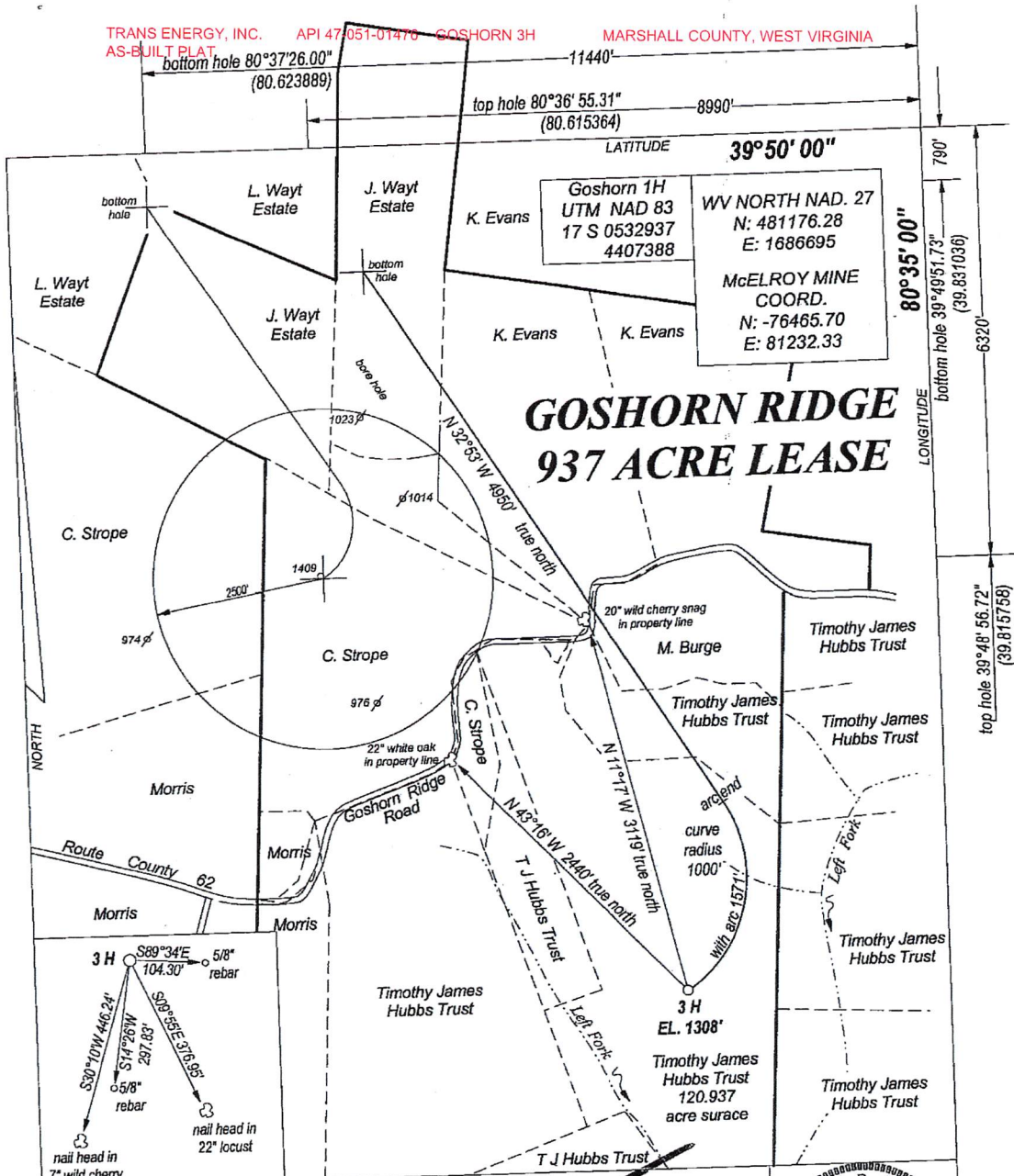
Company:	Trans Energy Inc.	Local Co-ordinate Reference:	Well 3H
Project:	Marshall County, West Virginia (NAD 27)	TVD Reference:	WELL @ 1340.00usft (H&P 285)
Site:	Goshorn	MD Reference:	WELL @ 1340.00usft (H&P 285)
Well:	3H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	Well Planning Conroe

Survey

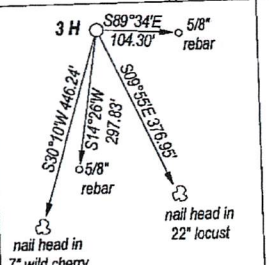
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,918.00	89.80	353.90	6,972.79	4,693.58	-2,504.19	5,308.44	2.03	-2.02	-0.21
12,012.00	91.00	354.50	6,972.13	4,787.10	-2,513.69	5,397.56	1.43	1.28	0.64
12,107.00	90.10	355.60	6,971.22	4,881.74	-2,521.89	5,487.17	1.50	-0.95	1.16
12,201.00	90.80	355.40	6,970.48	4,975.44	-2,529.26	5,575.60	0.77	0.74	-0.21
12,296.00	89.40	357.10	6,970.32	5,070.23	-2,535.47	5,664.53	2.32	-1.47	1.79
12,390.00	92.00	359.80	6,969.17	5,164.18	-2,538.02	5,751.17	3.99	2.77	2.87
12,485.00	93.00	0.30	6,965.02	5,259.08	-2,537.93	5,837.62	1.18	1.05	0.53
12,579.00	91.30	358.70	6,961.50	5,353.01	-2,538.75	5,923.54	2.48	-1.81	-1.70
12,673.00	91.80	358.10	6,958.95	5,446.94	-2,541.38	6,010.21	0.83	0.53	-0.64
12,768.00	92.40	357.70	6,955.47	5,541.81	-2,544.86	6,098.09	0.76	0.63	-0.42
12,861.00	93.40	358.50	6,950.77	5,634.64	-2,547.94	6,183.94	1.38	1.08	0.86
12,934.00	93.30	357.50	6,946.50	5,707.46	-2,550.48	6,251.35	1.37	-0.14	-1.37
12,958.53	93.30	357.50	6,945.09	5,731.93	-2,551.55	6,274.08	0.00	0.00	0.00
Lease Intersect - 12958.53' MD									
12,985.00	93.30	357.50	6,943.57	5,758.33	-2,552.70	6,298.61	0.00	0.00	0.00
Projection to TD-12985.00' MD									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,958.53	6,945.09	5,731.93	-2,551.55	Lease Intersect - 12958.53' MD
12,985.00	6,943.57	5,758.33	-2,552.70	Projection to TD-12985.00' MD



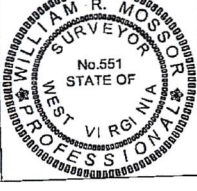
GOSHORN RIDGE 937 ACRE LEASE



FILE NO. GOSHORN RIDGE
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION GPS OBSERVATION

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY

(SIGNED) *[Signature]*
 PROFESSIONAL SURVEYOR: 551



DATE APRIL 24TH, 2010
 OPERATORS WELL NO. GOSHORN 3H

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 DIVISION OF OIL AND GAS

API 47 - 051 - 01476
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1308' WATER SHED LEFT FORK OF MAGGOTY RUN
 DISTRICT LIBERTY COUNTY MARSHALL QUADRANGLE CAMERON

SURFACE OWNER TIMOTHY JAMES HUBBS TRUST ACREAGE 120.937
 OIL & GAS ROYALTY GOSHORN RIDGE LLC LEASE AC. 937

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL
 FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 7200'

WELL OPERATOR TRANS ENERGY, INC. DESIGNATED AGENT LOREN BAGLEY
 ADDRESS P. O. BOX 393 ADDRESS P. O. BOX 393
ST. MARYS, WV 26170 ST. MARYS, WV 26170

AS BUILT

FORM WV-6

COUNTY NAME PERMIT