



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

API: 47-103-02944 County: WETZEL District: GRANT
 Quad: FOLSOM Pad: BLACKSHERE Field/Pool Name: MARCELLUS SHALE
 Farm name: BLACKSHERE WELL NAME : BLACKSHERE 201H
 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-BUILT WELL LOCATION MAP ***

Top hole	Northing	<u>4369998.02</u>	Easting	<u>535108.65</u>
Landing Point of curve	Northing	<u>4369345.74</u>	Easting	<u>534747.53</u>
Bottom hole	Northing	<u>4370618.81</u>	Easting	<u>533814.28</u>

Elevation (ft): GL Type of Well: NEW Type of Report: FINAL

Permit Type: HORIZONTAL 6A Depth Type: SHALLOW

Type of Operation: DRILL

Well Type: GAS

Type of Completion: SINGLE Fluids Produced: BRINE, GAS and NGL

Drilled With: ROTARY

Drilling Media: MUD Intermediate hole: MUD

Production hole: MUD

Mud Type(s) and Additive(s) MUD TYPE - SYNTHETIC 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: 1/24/2014 Date drilling commenced: 3/16/2014 Date drilling ceased: 4/17/2014

Date completion activities began: 6/28/2014 Date completion activities ceased: 9/11/2014

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: 1500' Void(s) encountered (Y/N) depths: N

Coal Depth(s) ft: 850' Cavern(s) encountered (Y/N) depths: N

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

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Reviewed by: _____

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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>26"</u>	<u>20"</u>	<u>100'</u>	<u>NEW</u>	<u>J-55 / 94</u>	-	<u>YES</u>
Surface	<u>17 1/2"</u>	<u>13 3/8"</u>	<u>473'</u>	<u>NEW</u>	<u>J-55 / 54.5</u>	-	<u>YES</u>
Coal	-	-	-	-	-	-	-
Intermediate 1	<u>12 1/2"</u>	<u>9 5/8"</u>	<u>3254'</u>	<u>NEW</u>	<u>J-55 / 40</u>	-	<u>YES</u>
Intermediate 2	-	-	-	-	-	-	-
Intermediate 3	-	-	-	-	-	-	-
Production	<u>8 3/4"</u>	<u>5 1/2"</u>	<u>12,544'</u>	<u>NEW</u>	<u>P-110 / 20</u>	-	<u>YES</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	<u>TYPE 1</u>	-	-	<u>13</u>	-	-	-
Surface	<u>TYPE 1</u>	<u>910</u>	<u>15.6</u>	<u>1.25</u>	<u>1135</u>	<u>SURFACE</u>	<u>10</u>
Coal	-	-	-	-	-	-	-
Intermediate 1	<u>TYPE 1</u>	<u>1077</u>	<u>15.6</u>	<u>1.19</u>	<u>1282</u>	<u>SURFACE</u>	<u>8</u>
Intermediate 2	-	-	-	-	-	-	-
Intermediate 3	-	-	-	-	-	-	-
Production	<u>POS H / CLASS H</u>	<u>1417 / 1265</u>	<u>14 / 15.6</u>	<u>1.18</u>	<u>1672 / 1493</u>	<u>SURFACE</u>	<u>8</u>
Tubing	-	-	-	-	-	-	-

Drillers TD (ft): 12,562 Loggers TD (ft): 12,562
 Deepest formation penetrated: MARCELLUS SHALE Plug back to (ft): N/A
 Plug back procedure: N/A

Kick off depth (ft) 6,967'

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 3,000' TO 900'

PRODUCTION STRING - 1 CENTRALIZER EVERY 80' FROM TD TO ABOVE ROP 7000', EVERY 4TH JUST FROM ROP TO SURFACE

WAS WELL COMPLETED AS SHOT HOLE? YES DETAILS: _____

WAS WELL COMPLETED OPEN HOLE? NO DETAILS: _____

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

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STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Other Units
1	6/7/2014	60.3	8210	8873	5013	246,383	7,135	
2	6/7/2014	67.3	8383	9142	5365	326,454	8,605	
3	6/8/2014	59.8	8529	8980	4996	283,359	8,494	
4	6/8/2014	62.6	8350	8933	5318	327,646	8,685	
5	6/9/2014	58.5	8592	9501	5408	98,411	6,233	
6	6/9/2014	60.7	8559	9618	5393	157,007	6,180	
7	6/9/2014	53.8	8408	9601	5175	300,795	9,467	
8	6/10/2014	34.1	8056	9774	5105	196,505	7,070	
9	6/11/2014	78.9	8314	9174	5034	342,483	9,739	
10	6/11/2014	70.7	8592	9193	4724	256,000	10,538	
11	6/11/2014	69.0	8423	9503	4882	317,142	8,759	
12	6/12/2014	71.9	8607	9448	5446	299,918	8,842	
13	6/12/2014	69.0	8266	9700	4892	223,665	8,009	
14	6/13/2014	70.4	8361	8979	5429	300,720	8,202	
15	6/14/2014	72.3	8453	8962	5201	288,920	8,404	
16	6/15/2014	73.0	8573	9628	5225	262,044	8,126	
17	6/15/2014	71.0	8378	8927	5392	300,895	8,276	
18	6/16/2014	69.8	6965	8206	5118	315,266	9,937	
19	6/16/2014	72.0	7825	8606	4777	304,428	8,454	
20	6/17/2014	69.0	8234	9640	4883	217,580	7,563	
21	6/17/2014	69.2	8285	8845	4831	94,569	4,404	
22	6/18/2014	70.7	8434	9287	5095	105,091	5,384	
23	6/19/2014	71.0	8056	8610	5108	57,552	3,699	
24	6/19/2014	64.0	8374	9202	5262	45,334	3,499	

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PRODUCING FORMATION(S) MARCELLUS SHALE DEPTHS 7035' TVD 12545' MD

GAS TEST: N/A OIL TEST: N/A

SHUT-IN Surface: _____ psi Bottom hole: _____ psi DURATION OF TEST: _____ hrs

OPEN FLOW GAS: _____ mcfpd OIL: _____ bpd NGL: _____ bpd WATER: _____ bpd GAS MEASURED BY: ESTIMATED

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)
SAND	<u>1310'</u>	<u>1433'</u>			
SAND	<u>1624'</u>	<u>1687'</u>			
MAXTON	<u>1823'</u>	<u>1867'</u>			
BIG LIME	<u>1837'</u>	<u>1955'</u>			
BIG INJUN	<u>1960'</u>	<u>2105'</u>			
BEREA	<u>2260'</u>	<u>2263'</u>			
30 FT	<u>2471'</u>	<u>2506'</u>			
GORDON	<u>2640'</u>	<u>2674'</u>			
4TH	<u>2734'</u>	<u>2740'</u>			
5TH	<u>2882'</u>	<u>2890'</u>			
BAYARD	<u>2874'</u>	<u>2883'</u>			
WARREN	<u>3344'</u>	<u>3394'</u>			
RILEY	<u>4334'</u>	<u>4356'</u>			
BENSON	<u>4826'</u>	<u>4832'</u>			
ALEXANDER	<u>5260'</u>	<u>5295'</u>			
MIDDLESEX	<u>6733'</u>	<u>6824'</u>			
BURKETT	<u>6861'</u>	<u>6890'</u>			
TULLY LIME	<u>6898'</u>	<u>7000'</u>			
MARCELLUS	<u>7003'</u>	<u>7050'</u>			
ONONDAGA	<u>7054'</u>				

Please insert additional pages as applicable.

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Drilling Contractor: NOMAC DRILLING
Address: 3400 SOUTH RADIO ROAD City: EL RENO State: OK Zip: 73036

Logging Contractor: BAKER HUGHES
Address: 17015 ALDINE WESTFIELD ROAD City: WOOSTER State: OH Zip: 44691

Cementing Company: BAKER HUGHES
Address: 17015 ALDINE WESTFIELD ROAD City: WOOSTER State: OH Zip: 44691

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: 1-20-15

****SEE ATTACHMENT "HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT INFORMATION DISCLOSURE"*****

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top hole 80°35' 30.42"
(80.591783)

2480'

LATITUDE

39°30' 00"

BLACKSHERE HEIRS, ET AL +/- 6900 ACRE LEASE

80°35' 00"

UTM NAD 83
meters
top hole
N: 4369998.02
E: 535108.65

bottom hole
N: 4370618.81
E: 533814.28

LONGITUDE

7690'

top hole 39°28' 43.90" (39.478861)



(D.M.P.) = District-Map-Parcel

All wells within
500' of bore hole are shown
No water wells within
250' of top hole
No buildings of any kind
within 625' of top hole

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 2500'
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) _____
PROFESSIONAL SURVEYOR: 551



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

DATE JANUARY 13TH, 2014
OPERATORS WELL NO. BLACKSHERE 201H

API 47 - 103 -02944
STATE COUNTY PERMIT

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

LOATION: ELEVATION 892' WATER SHED ARCHES FORK
DISTRICT GRANT COUNTY WETZEL QUADRANGLE FOLSOM

SURFACE OWNER TRANS ENERGY, INC ACREAGE 4.675
OIL & GAS ROYALTY BLACKSHERE HEIRS LEASE AC +/- 6900

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 7022'

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

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COUNTY NAME

PREMIT

02/06/2015

top hole 80°35' 30.42"
(80.591783) 2480'

LATITUDE 39°30' 00"

80°35' 00"

LONGITUDE

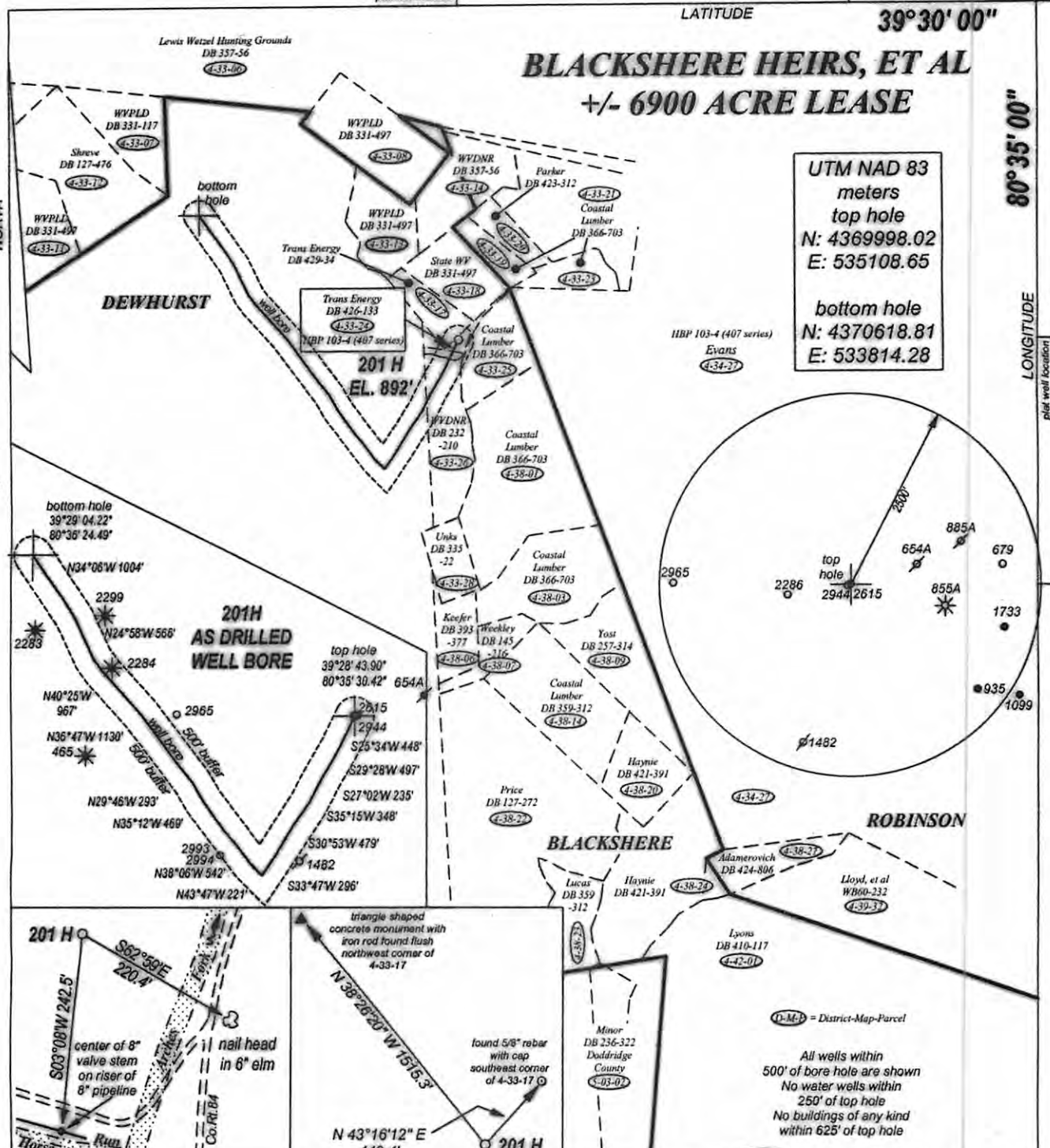
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BLACKSHERE HEIRS, ET AL
+/- 6900 ACRE LEASE

UTM NAD 83
meters
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N: 4370618.81
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All wells within
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within 625' of top hole

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SCALE 1" = 2500'
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(SIGNED) _____
SURVEYOR: 551



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

DATE JANUARY 13TH, 2014
OPERATORS WELL NO. BLACKSHERE 201H

API 47 - 103 - 02944
STATE COUNTY PERMIT

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(IF GAS) PRODUCTION STORAGE ___ DEEP ___ SHALLOW

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DISTRICT GRANT COUNTY WETZEL QUADRANGLE FOLSOM

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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 7022'

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

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FORM MW - 6

COUNTY NAME

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