

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

API: 47-103-02615 County: WETZEL District: GRANT
 Quad: FOLSOM Pad: BLACKSHERE Field/Pool Name: MARCELLUS SHALE
 Farm name: BLACKSHERE WELL NAME : BLACKSHERE 200H
 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>4370002.00</u>	Easting	<u>535110.74</u>
Landing Point of curve	Northing	<u>4369457.5</u>	Easting	<u>534873.5</u>
Bottom hole	Northing	<u>4370990.80</u>	Easting	<u>533771.58</u>

Elevation (ft): 866' 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: 1/25/2011 Date drilling commenced: 1/23/2013 Date drilling ceased: 5/4/2014

Date completion activities began: 6/4/2014 Date completion activities ceased: 6/18/2014

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



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>80'</u>	<u>NEW</u>	<u>J-55/94</u>		-
Surface	<u>17 1/2"</u>	<u>13 3/8"</u>	<u>445'</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>3010'</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>13,202'</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	-	-	-	-	-	-	-
Surface	<u>PREMIUM NE</u>	<u>375</u>	<u>15.6</u>	<u>1.21</u>	<u>454</u>	<u>SURFACE</u>	<u>8</u>
Coal	-	-	-	-	-	-	-
Intermediate 1	<u>CLASS H</u>	<u>995</u>	<u>15.6</u>	<u>1.22</u>	<u>1185</u>	<u>SURFACE</u>	<u>8</u>
Intermediate 2	-	-	-	-	-	-	-
Intermediate 3	-	-	-	-	-	-	-
Production	<u>POZH / CLASS H</u>	<u>1356/1476</u>	<u>14/15.6</u>	<u>1.34/1.18</u>	<u>1817/1742</u>	<u>SURFACE</u>	<u>8</u>
Tubing	-	-	-	-	-	-	-

Drillers TD (ft): 13,225'

Loggers TD (ft): 13,226'

Deepest formation penetrated: MARCELLUS SHALE

Plug back to (ft): N/A

Plug back procedure: N/A

Kick off depth (ft) 6623'

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 NO DETAILS: _____

WAS WELL COMPLETED OPEN HOLE? NO DETAILS: _____

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



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***** SEE ATTACHED SURVEY REPORTS - 7 PAGES *****

PERFORATION RECORD

Stage No.	Perferated from MD ft.	Perferated to MD ft.	Number of Perferations	Formations
1	13,147	13,000	41	MARCELLUS SHALE
2	12,951	12,804	41	MARCELLUS SHALE
3	12,749	12,608	41	MARCELLUS SHALE
4	12,558	12,418	41	MARCELLUS SHALE
5	12,365	12,181	41	MARCELLUS SHALE
6	12,130	12,001	41	MARCELLUS SHALE
7	11,953	11,804	41	MARCELLUS SHALE
8	11,758	11,617	41	MARCELLUS SHALE
9	11,573	11,424	41	MARCELLUS SHALE
10	11,365	11,240	41	MARCELLUS SHALE
11	11,193	11,052	41	MARCELLUS SHALE
12	1,005	10,857	41	MARCELLUS SHALE
13	10,807	10,680	41	MARCELLUS SHALE
14	10,633	10,485	41	MARCELLUS SHALE
15	10,441	10,290	41	MARCELLUS SHALE
16	10,246	10,108	41	MARCELLUS SHALE
17	10,061	9,918	41	MARCELLUS SHALE
18	9,869	9,715	41	MARCELLUS SHALE
19	9,658	9,510	41	MARCELLUS SHALE
20	9,465	9,314	41	MARCELLUS SHALE
21	9,266	9,109	41	MARCELLUS SHALE
22	9,061	8,907	41	MARCELLUS SHALE
23	8,861	8,725	41	MARCELLUS SHALE
24	8,671	8,499	41	MARCELLUS SHALE
25	8,446	8,287	41	MARCELLUS SHALE
26	8,219	8,080	41	MARCELLUS SHALE
27	8,005	7,796	36	MARCELLUS SHALE

Please insert additional pages as applicable.

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02/06/2015

WR-35
Rev 8/23/13

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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	6/4/2014	52.8	8107	9589	4994	234,885	9,790	
2	6/5/2014	59.7	8038	8848	5128	400,125	9,742	
3	6/5/2014	61.4	8216	9619	4142	400,734	9,662	
4	6/5/2014	59.0	8389	9270	5525	340,045	8,622	
5	6/6/2014	62.4	8399	8981	5066	379,470	9,741	
6	6/7/2014	60.9	8365	8994	5336	271,716	7,054	
7	6/7/2014	65.6	8253	9881	4927	287,344	9,215	
8	6/8/2014	65.3	8390	8780	4277	336,380	8,909	
9	6/8/2014	68.8	8188	8889	4838	333,645	8,860	
10	6/9/2014	66.8	8218	8780	5345	352,978	9,744	
11	6/9/2014	72.6	8021	8768	5287	292,185	8,798	
12	6/10/2014	59.9	7831	8935	5477	301,767	8,999	
13	6/10/2014	64.5	7300	8851	5409	305,901	9,351	
14	6/10/2014	78.8	8447	9129	4872	328,710	10,108	
15	6/11/2014	71.0	8471	9200	5361	294,031	9,730	
16	6/11/2014	75.6	8300	8889	5108	307,603	8,901	
17	6/13/2014	76.8	7970	9462	4887	308,717	9,814	
18	6/13/2014	72.4	8503	9570	5039	296,444	10,334	
19	6/14/2014	64.9	8030	9861	5416	246,079	9,586	
20	6/14/2014	67.9	7966	8947	5354	300,670	8,350	
21	6/15/2014	71.0	7873	8908	5318	303,191	8,457	
22	6/15/2014	72.0	8474	8948	5330	303,413	10,371	
23	6/15/2014	71.0	8156	9068	5376	307,208	8,577	
24	6/17/2014	72.0	8361	9117	5372	300,750	8,420	
25	6/17/2014	74.6	7940	8474	4700	305,671	12,309	
26	6/18/2014	63.0	8445	9010	5432	239,652	8,248	
27	6/18/2014	76.0	8280	9179	5362	239,973	8,129	

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PRODUCING FORMATION(S)

DEPTHS

MARCELLUS SHALE 7033' TVD 13369' 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
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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)
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SAND	<u>1316'</u>	<u>1439'</u>			
SAND	<u>1630'</u>	<u>1693'</u>			
MAXTON	<u>1829'</u>	<u>1873'</u>			
BIG LIME	<u>1843'</u>	<u>1961'</u>			
BIG INJUN	<u>1966'</u>	<u>2111'</u>			
BEREA	<u>2266'</u>	<u>2269'</u>			
30 FT	<u>2477'</u>	<u>2512'</u>			
GORDON	<u>2646'</u>	<u>2680'</u>			
4TH	<u>2740'</u>	<u>2746'</u>			
5TH	<u>2888'</u>	<u>2896'</u>			
BAYARD	<u>2880'</u>	<u>2889'</u>			
WARREN	<u>3350'</u>	<u>3400'</u>			
RILEY	<u>4340'</u>	<u>4362'</u>			
BENSON	<u>4832'</u>	<u>4838'</u>			
ALEXANDER	<u>5266'</u>	<u>5301'</u>			
MIDDLESEX	<u>6745'</u>	<u>6815'</u>			
BURKETT	<u>6874'</u>	<u>6901'</u>			
TULLY LIME	<u>6911'</u>	<u>7010'</u>			
MARCELLUS	<u>7015'</u>	<u>7054'</u>			
ONONDAGA	<u>7056'</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' 30.34"
(80.591810)

2475'

LATITUDE

39°30' 00"

BLACKSHERE HEIRS, ET AL
+/- 6900 ACRE LEASE

80°35' 00"

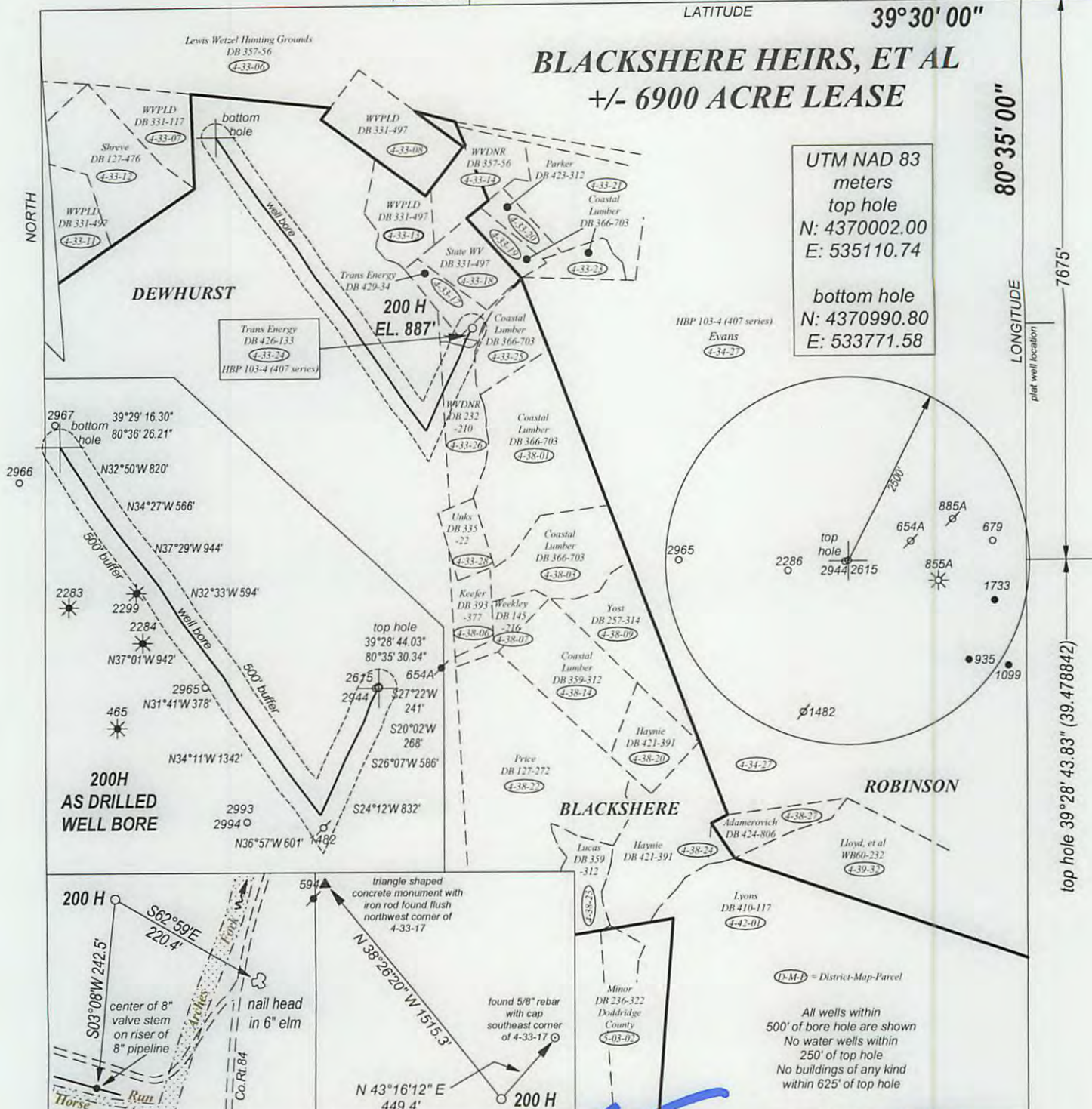
LONGITUDE

7675'

top hole 39°28' 43.83" (39.478842)

UTM NAD 83
meters
top hole
N: 4370002.00
E: 535110.74

bottom hole
N: 4370990.80
E: 533771.58



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 200H

API 47 - 103 - 02615
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 887' 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 XX 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 7035'

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

FORM WW - 6

COUNTY NAME

PREMIT

02/06/2015

top hole 80°35' 30.34"
(80.591810)

2475'

LATITUDE

39°30' 00"

BLACKSHERE HEIRS, ET AL +/- 6900 ACRE LEASE

UTM NAD 83
meters
top hole
N: 4370002.00
E: 535110.74

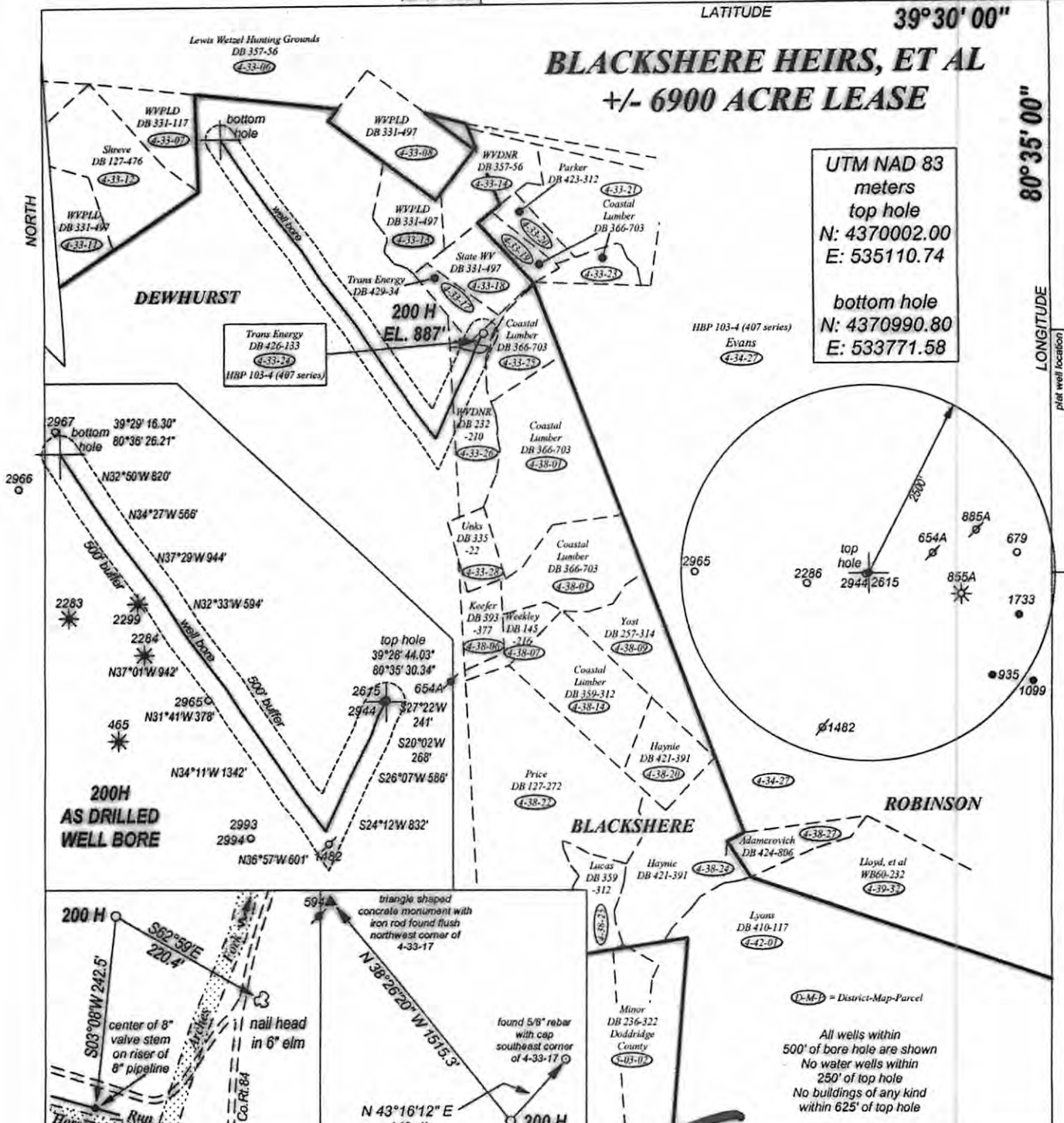
bottom hole
N: 4370990.80
E: 533771.58

80°35' 00"

LONGITUDE

7675'

top hole 39°28' 43.83" (39.478842)



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(SIGNATURE) _____
PROFESSIONAL SURVEYOR: 551



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TARGET FORMATION MARCELLUS SHALE ESTIMATED DEPTH 7035'

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

FORM WW - 6

COUNTY NAME

PREMIT

02/06/2015