west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

February 27, 2015

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-6101697, issued to NORTHEAST NATURAL ENERGY LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martin
Chief

Operator's Well No: STATLER 7H
Farm Name: MOORE, REBECCA & STATLER,
API Well Number: 47-6101697
Permit Type: Horizontal 6A Well
Date Issued: 02/27/2015

Promoting a healthy environment.

API Number: 6101697

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.

2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.

3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.

4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.

5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations,* 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.

6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.

7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.

8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

9. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

Horizontal 6A Well Permit App. Checklist:

Received Date: 11/17/2014 API: 6101697

Operator: NORTHEAST NATURAL ENERGY LLC WELL: STATLER 7H

Pad Name: STATLER End Comment Period: 12/17/14

Pad Built: X Yes ____ No Date Reviewed: 2/1/15 INT. KK

CHECKLIST FOR FILING A PERMIT
Horizontal 6A Well

Please include these required elements in the Horizontal Well 6A applications, in order listed below. Do not use staples.

First Well		Subsequent Well	
10,150.00		5,150.00	X

Check#: 17473

- ✓ Fees Paid
- ✓ Checklist / Cover letter
- ✓ **WW-6B Notice of Application** 30' difference in footage and interval — ✓ **Field Approved**
- ✓ **Cement Additives**
- ✓ **Well Bore Schematic (not required)**
- ✓ **WW-9 Fluids/Cuttings Disposal and Reclamation Plan** — ✓ **Field Approved**
- ✓ **Site Safety Plan** No Attachment "A" for the WW9 — ✓ **Field Approved**
- **Water Management Plan** — **DWWM Approval**
- ✓ **Topographic map showing access road**
- ✓ **Mylar Plat (Signed and sealed) (Surface Owner matches WW-6A)** — **Plat Spotted**
- ✓ WW-6A1 Lease Information
- ✓ Road Crossing Letter (if drilling under road)
- ✓ WW-PN Application Notice by Publication — Disk
- ✓ Public Notice (dated copy of advertisement or affidavit of publication)
- ✓ WW-6AC Notice Certifications and Waivers — Rebecca Statler or Moore?
- WW-6A Notice of Application notarized w/ any attachments
- ✓ Topographic Map with labeled surrounding water wells (not required)
- Certified Mail receipts for WW-6A
- ✓ WW-6A3 Notice of Entry for Plat Survey (if one was conducted)

Horizontal 6A Well Permit App. Checklist: API: 6101697

- [ ] NA Certified Mail receipts for WW-6A3
- [x] WW-6A4 Notice of Intent to Drill (if no WW-6A3)
- [x] Certified Mail receipts for WW-6A4
- [x] WW-6A5 Notice of Planned Operation
- [x] Certified Mail receipts for WW-6A5
- [ ] WW-6RW Well Location Restriction Waiver (if applicable)
- [x] WW-6RW Voluntary Statement of No Objection (if applicable)
  - [x] Waiver for Surface Owner at Wellhead
  - [x] Waiver for Surface Owner for Roads or other Disturbances
  - [x] Waiver for Coal Owner, Operator or Lessee
  - [x] Waiver for surface owner for Impoundment or Pit
  - [x] Waiver for Surface Owner or Water Purveyor within 1500 feet of Center of Pad
  - [ ] Waiver for Natural gas Storage Field Operator

Dennis Snyder
Dan Stalter
Consol

- [x] DOH Road Bonding Letter
- [x] Frac Additives List of Chemical Names & CAS#s
- [x] Site Construction, Reclamation, Erosion & Sediment Control Plans [x] DEP Engineer Approved
- [x] MSDS Sheets

Reviewer outside checks:

- [x] Comments - Public, Surface Owner, Water Well Purveryor
- [x] Bond ($250,000)
- [x] Operator is registered with the SOS
- [x] Workers Compensation / Unemployment Insurance account is OK
- [x] Professional Engineer/Company has COA
- [x] Check for mine data at proposed coordinates
- [x] Check for floodplain data at proposed coordinates

Horizontal 6A Well Permit App. Checklist: API: 6101697

- [x] IMP-1A Associated Pit or Impoundment (if applicable)
- [x] WW-6A7 Well Restrictions Form w/ Signature
  - [x] At Least 100 Feet from Pad and LOD (including any ES Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland
    - [ ] DEP Waiver and Permit Conditions
  - [x] At Least 300 Feet from Pad and LOD (including any ES Control Feature) to any Naturally Producing Trout Stream
    - [ ] DEP Waiver and Permit Conditions
  - [x] At Least 1000 Feet from Pad and LOD (including any ES Control Feature) to any Groundwater Intake or Public Water Supply
    - [ ] DEP Waiver and Permit Conditions
  - [x] At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled
    - [ ] Surface Owner Waiver and Recorded with County Clerk, OR
    - [ ] DEP Variance and Permit Conditions
  - [x] At Least 625 Feet from an Occupied Dwelling Structure to the Center of the Pad
    - [ ] Surface Owner Waiver and Recorded with County Clerk, OR
    - [ ] DEP Variance and Permit Conditions
  - [x] At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad
    - [ ] Surface Owner Waiver and Recorded with County Clerk, OR
    - [ ] DEP Variance and Permit Conditions

WW-6B
(9/13)

4706101697

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

				3	256
1) Well Operator:	Northeast Natural Energy LLC	494498281	Monongalia	Clay	Blacksville
		Operator ID	County	District	Quadrangle

2) Operator's Well Number: Statler 7H Well Pad Name: Statler

3) Farm Name/Surface Owner: Moore R. & Sam, Ben, Daniel Statler Public Road Access: Mason Dixon Hwy (State Rt 7)

4) Elevation, current ground: 1,061 Elevation, proposed post-construction: 1,061

5) Well Type (a) Gas ■ Oil ____ Underground Storage ____
Other ____
(b)If Gas Shallow ■ Deep ____
Horizontal ■

6) Existing Pad: Yes or No Yes

MJK 11/3/2014

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Associated Pressure(s):
Marcellus ; 7,898' ; 105' , 3,430 psi

8) Proposed Total Vertical Depth: 7,898'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 15,712'

11) Proposed Horizontal Leg Length: 6,299'

12) Approximate Fresh Water Strata Depths: 50', 912'

13) Method to Determine Fresh Water Depths: Driller's Log from Offset Wells

14) Approximate Saltwater Depths: 1,600' , 1,951'

15) Approximate Coal Seam Depths: 650'

16) Approximate Depth to Possible Void (coal mine, karst, other): N/A

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes ☐ No ☑

(a) If Yes, provide Mine Info: Name: ____
Depth: ____
Seam: ____
Owner: ____

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18) **CASING AND TUBING PROGRAM**

TYPE	Size	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling	INTERVALS: Left in Well	CEMENT: Fill-up (Cu. Ft.)
Conductor	20"	New	STD	78.67	40'	40'	GTS
Fresh Water	13 3/8"	New	J-55	54.5	1,030'	1,000'	CTS
Coal							
Intermediate	9 5/8"	New	J-55	40	2,280'	2,250'	CTS
Production	5 1/2"	New	P-110	20	15,712'	15,682'	3,785 cu. ft.
Tubing	2 3/8"	New	J-55	4.7		8,750'	NA
Liners							

MJK 11/3/2014

TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	24"	.375	499	Grout	NA
Fresh Water	13 3/8"	17 1/2"	.38"	2,760	Class A	1.23
Coal						
Intermediate	9 5/8"	12 1/4"	.395"	3,950	Class A	1.3
Production	5 1/2"	8 3/4"	.361"	12,530	50:50 Poz	1.21
Tubing	2 3/8"	NA	.190"	7,700	NA	NA
Liners						

PACKERS

Kind:				
Sizes:				
Depths Set:				

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NOV 17 2014

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19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drilling and completion of a horizontal Marcellus well. The well will be drilled on air to an approximate depth of 7,100' TVD/MD. Well will be horizontally drilled on fluid from KOP to approximately 7,898' TVD / 15,712' MD along a 323 degree azimuth.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Multi-stage / high-rate slickwater fracture treatment using various size sands as proppant. First stage will be initiated via pressurization against a burst disc ran in the production casing string or perforated with coiled tubing. Subsequent stages will be perforated with pumped down guns ran on wireline. Individual stages will be isolated with composite frac plugs. Maximum pump rate during any stage will be 110 BPM with a maximum allowable surface pressure of 9,500 PSI. Composite bridge plugs will be set at the end of the last stage to isolate the treated formation.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): N/A - Existing Pad

22) Area to be disturbed for well pad only, less access road (acres): N/A - Existing Pad

23) Describe centralizer placement for each casing string:

Surface and intermediate casing strings will have bow spring centralizers placed every third joint (~120') from shoe joint to surface. Production casing will have rigid body centralizers placed at a minimum every fourth joint (~160') from TD to surface.

24) Describe all cement additives associated with each cement type:

Surface string cement will be a Class A + Max 3% bwoc Calcium Chloride Fresh Water blend. Intermediate string cement will be a Class A Cement + Max 3% bwoc Calcium Chloride + Fresh Water. Production string cement will be (50:50) Poz (Fly Ash):Type I Cement with a gas migration additive.

25) Proposed borehole conditioning procedures:

Surface string will use a 25.0 bbls Gel Pill + LCM + 25 lbs Cello Flake + 20 lbs/bbl Bentonite @ 8.4 ppg & 10 bbls fresh water spacer prior to cement. Intermediate string will use a 25.0 bbls Gel Pill + LCM + 25 lbs Cello Flake + 20 lbs/bbl Bentonite @ 8.4 ppg & 10 bbls fresh water spacer prior to cement. Production string will use a 50.0 bbls SealBond 25 + 1 gal/bbl US-40 + 275 lbs/bbl Barite + 1 gal/bbl SS-2 Spacer @ 13.5 ppg prior to cement.

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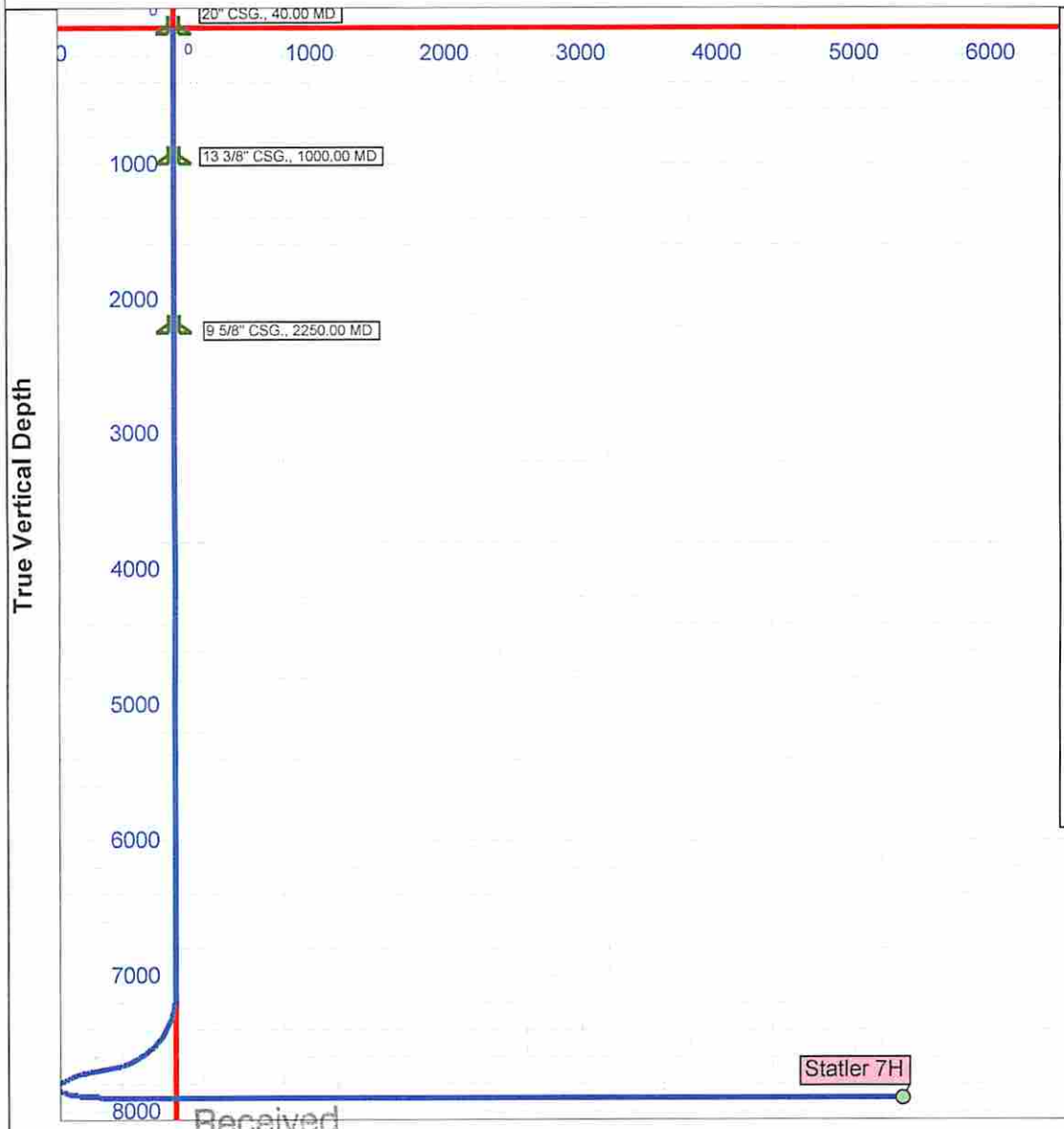
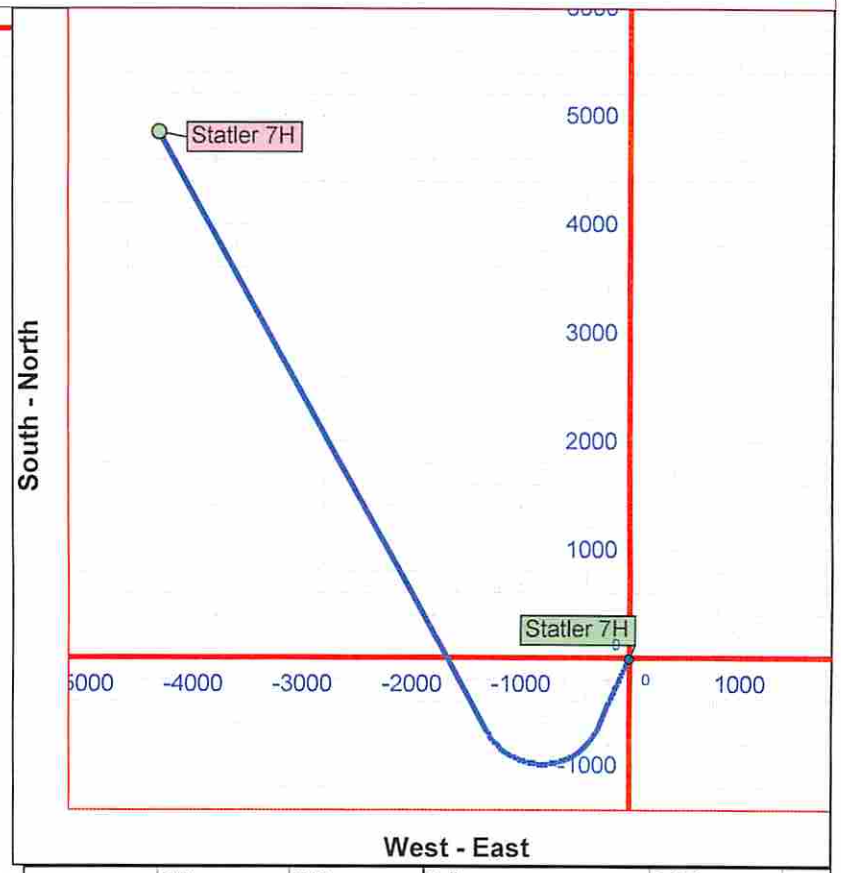
*Note: Attach additional sheets as needed.

Job Number:
Company: Northeast Natural Energy
Lease/Well: Statler 7H
Location: Statler
Rig Name: Pioneer 63

State/County: WV/ Mon
Country: US
API Number:
Elevation (To MSL): 1160.00 ft
RKB: 18.00 ft
Date: Wednesday, September 17, 2014

Projection System: US State Plane 1983
Projection Group: West Virginia Northern Zone
Projection Datum: GRS80
Magnetic Declination: -8.91
Grid Convergence: -0.43259 W





	MD	TVD		
KOP	7,100	7,100	Tully	7,633
LP	9,413	7,898	Hamilton	7,683
TD	15,712	7,898	Upper Marcellus	7,803
			Lower Marcellus	7,853
			Onondaga	7,908

Vertical Section (1000 Ft/Div) VSP: 352.86°

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Performance Drilling Technology, Inc. - HawkEye™ ©2014

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WW-9
(9/13)

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API Number 47 - _____ - _____
Operator's Well No. Statler 7H

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Northeast Natural Energy LLC OP Code _____

Watershed (HUC 10) Dunkard Creek Quadrangle Blacksville, WV

Elevation 1061' County Monongalia District Clay

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes ☑ No ☐

Will a pit be used? Yes ☐ No ☑

If so, please describe anticipated pit waste: N/A

Will a synthetic liner be used in the pit? Yes ☐ No ☑ If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

- _____ Land Application
- _____ Underground Injection (UIC Permit Number _____)
- ■ Reuse (at API Number unknown at this time, TBD)
- ■ Off Site Disposal (Supply form WW-9 for disposal location)
- _____ Other (Explain _____

Will closed loop system be used? If so, describe: Yes - See Attachment A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air - Vertical/Oil Based-Curve & Horizontal

-If oil based, what type? Synthetic, petroleum, etc. Synthetic Oil Based Mud

Additives to be used in drilling medium? Organophilic Clay Viscosifiers, Lime, Unsaturated Fatty Acids, CaCl, Barite, Emulsifiers, Mica LCM, Water Loss Agents

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Removed Offsite - See Attachment A

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? See Attachment A

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

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Company Official Signature Hollie Medley

Company Official (Typed Name) Hollie Medley

Company Official Title Regulatory Coordinator

Subscribed and sworn before me this 3rd day of November 20 14

Notary Public

My commission expires April 11, 2017

OFFICIAL SEAL
Andrew J. Travis
Notary Public
State of West Virginia
My Commission Expires
April 11, 2017
6240 Mid Atlantic Drive
Morgantown, WV 26508

4706101697

Attachment A to WW-9

Northeast Natural Energy LLC ("NNE") plans to utilize a closed loop process for its drilling of the Statler 7H well. Return flow from the well will be separated into its liquid and solid form. Liquids will be held in steel tanks and reused in the drilling and completion process or disposed of at an approved facility listed below. Solids removed from the stream will be diverted to steel half-round tanks where they will be solidified on site and taken to disposal as they are accumulated.

Statler 7H Drill Cuttings will be taken to disposal at one or more of the following disposal/approved waste facilities, unless listed facilities are no longer approved to accept waste at time of disposal:

- Westmoreland Landfill (Tervita) – Belle Vernon, PA (Permit # 100277)
- Meadowfill Landfill (Waste Management) – Bridgeport, WV (Permit # SWF 103298)
- Max Environmental – Yukon, PA (PAD004835146 and 301071)
- Max Environmental – Bulger, PA (PAD059087072 and 301359)
- Chestnut Valley Landfill (Advanced Disposal) – Export, PA (Permit # 101421)

NNE plans to reuse and recycle all flowback fluid and/or reach out to other operators in the area who may be able to reuse and recycle such fluid. However, in the event that reuse is not obtainable the fluid will be disposed of at one, or multiple, of the following disposal/approved waste facilities unless listed facilities are no longer approved to accept waste at time of disposal:

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- Fairmont Brine Processing (WV NPDES #0116408)
- Green Hunter M. E. Elder 1 Disposal Well (Permit # 47-085-05151)
- Green Hunter Mason 1 Disposal Well (Permit #47-085-09721)
- Green Hunter Warren Disposal Well (Permit #34-121-2-3995)
- Green Hunter Travis Unit Disposal Well (Permit #34-121-2-4086)
- Viking Energy Corporation 20320 Disposal Well (Permit#47-039-02210)
- Ohio Oil Gathering Killbuck Disposal Well (Permit #34-075-24527)
- Ohio Oil Gathering Moran Disposal Well (Permit #34-089-24792)
- Ohio Oil Gathering Bells Run Disposal Well (Permit #34-167-29395)
- Ohio Oil Gathering Long Run Disposal Well (Permit #34-167-29658)
- Ohio Oil Gathering Newell Run Disposal Well (Permit #34-167-29685)
- Appalachian Oil Purchaser Greens Run Disposal Well (Permit #2D0732540)
- Appalachian Oil Purchaser BW#4 Disposal Well (Permit # 2D0732523)

4706101697

Form WW-9

Operator's Well No. Statler 7H

Northeast Natural Energy LLC

Proposed Revegetation Treatment: Acres Disturbed 12.7 Prevegetation pH 6.0

Lime 2.0 Tons/acre or to correct to pH 6.5

Fertilizer type 10% Nitrogen, 20% Phosphate, 20% Potash

Fertilizer amount 500 lbs/acre

Mulch Hay/Straw Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Kentucky Blugrass	20	Kentucky Bluegrass	20
Red Top	15	Red Top	15
White Clover	15	White Clover	15

Attach:
Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Gayne J Kutowski

Comments:

Title: Inspector Date: 11/3/2014

Field Reviewed? (X) Yes ( ) No

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NOV 17 2014

4706101697

northeast
NATURAL ENERGY

B Statler 7H

SITE SAFETY PLAN

October 28, 2014

MJK
11/3/2014

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DELORME

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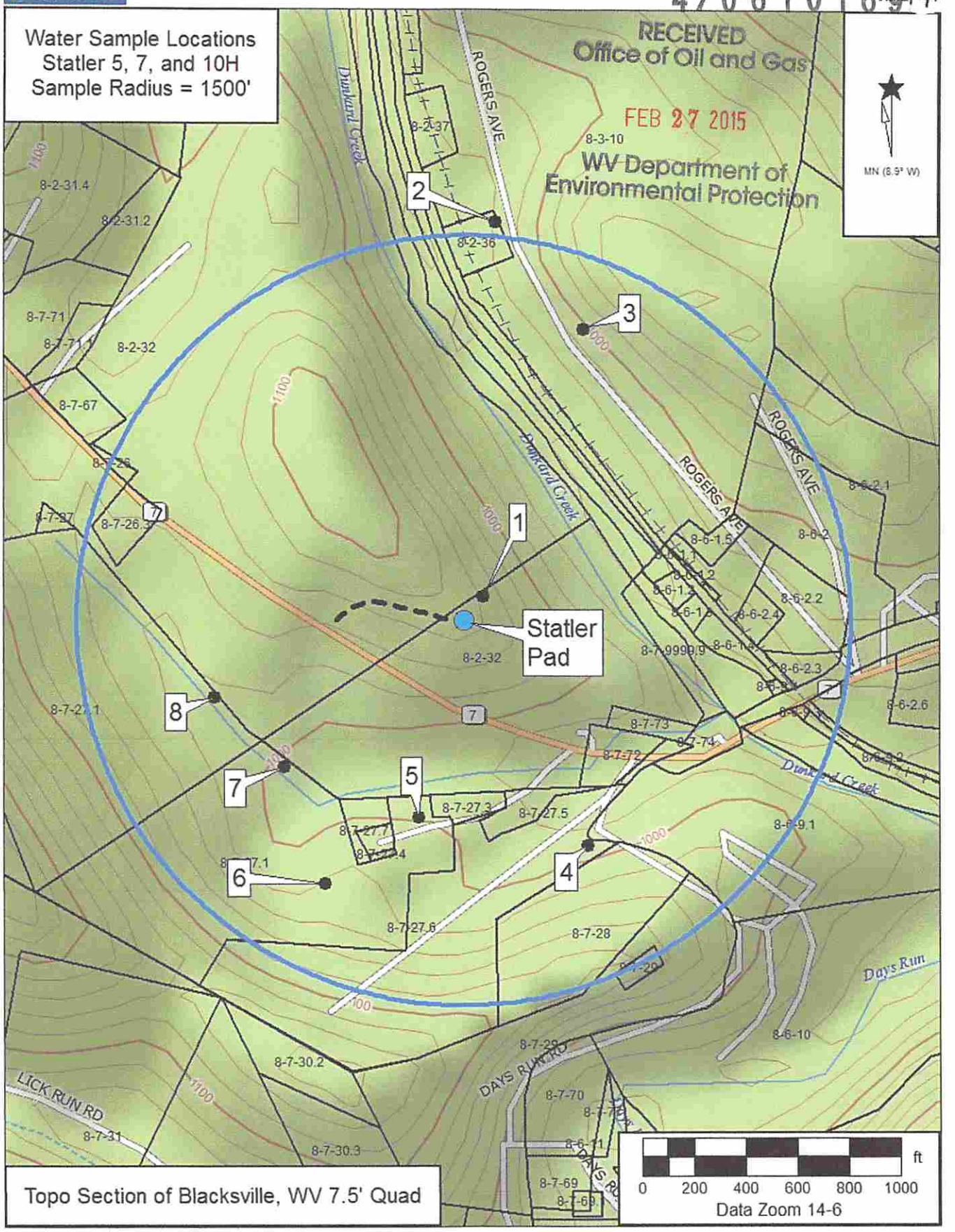
WV Department of
Environmental Protection



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www.delorme.com

4706101697

Water Sample Locations (1500' radius)

Map Label #	Surface Water Owner
1	Benjamin M. Statler, Daniel C. Statler, Samuel O. Statler and Rebecca S. Moore
2	Dennis Snyder
3	David Frazier
4	Allen C. Hixenbaugh
5	Robert Statler
6	Robert Statler
7	Robert Statler
8	Robert Statler

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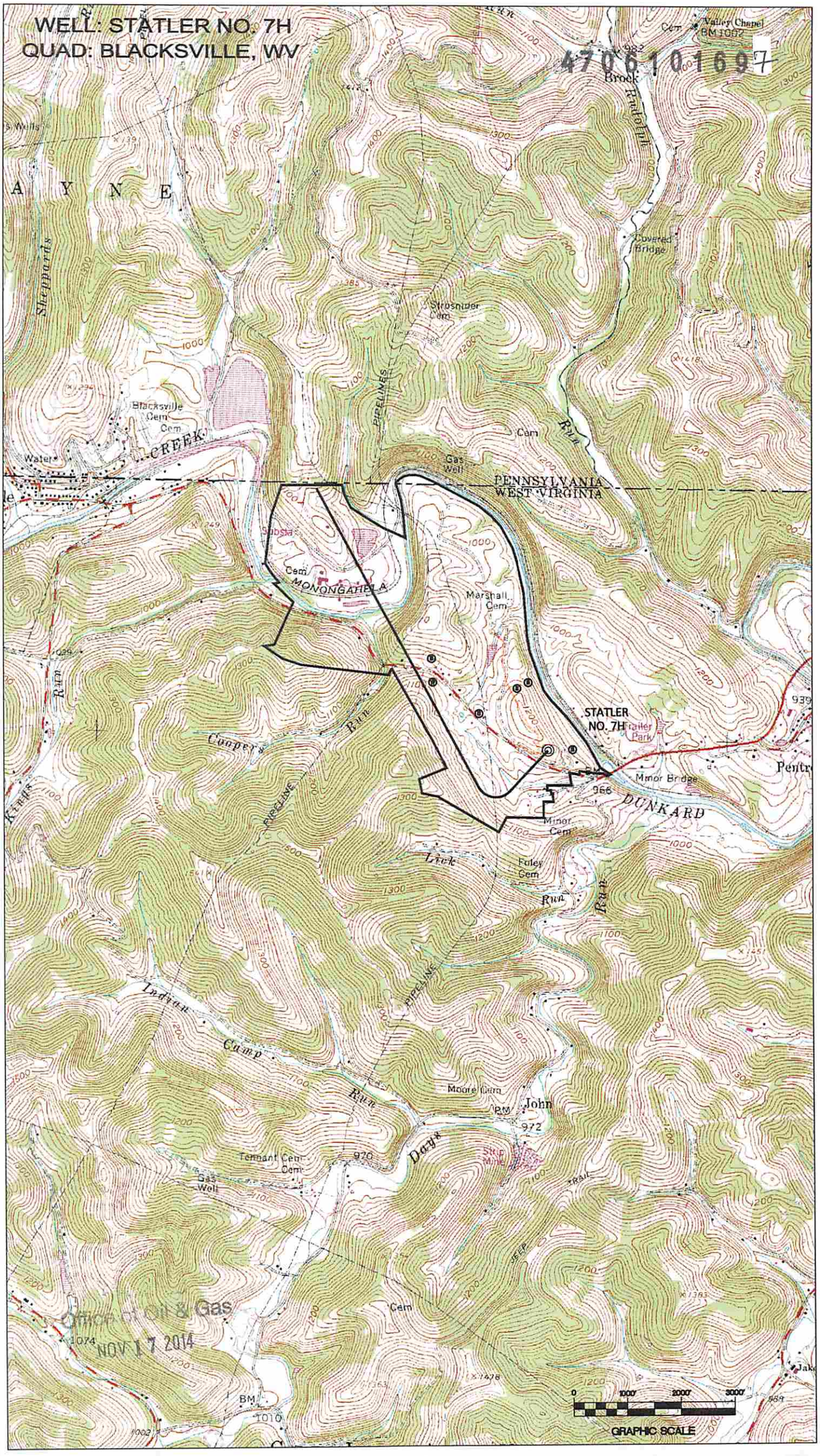
WV Department of
Environmental Protection

WELL: STATLER NO. 7H
QUAD: BLACKSVILLE, WV

4706101697



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TOP HOLE (UTM 83)
N) 4395653.8
E) 570438.9

BOTTOM HOLE (UTM 83)
N) 4397112.8
E) 569103.0

NO DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF WELL PAD
NO WATER WELLS WERE FOUND WITHIN 250' OF THE CENTER OF WELL PAD

SURFACE HOLE DEC. LONG: 80.178503
SURVEYED LONG: 80° 10' 42.6"

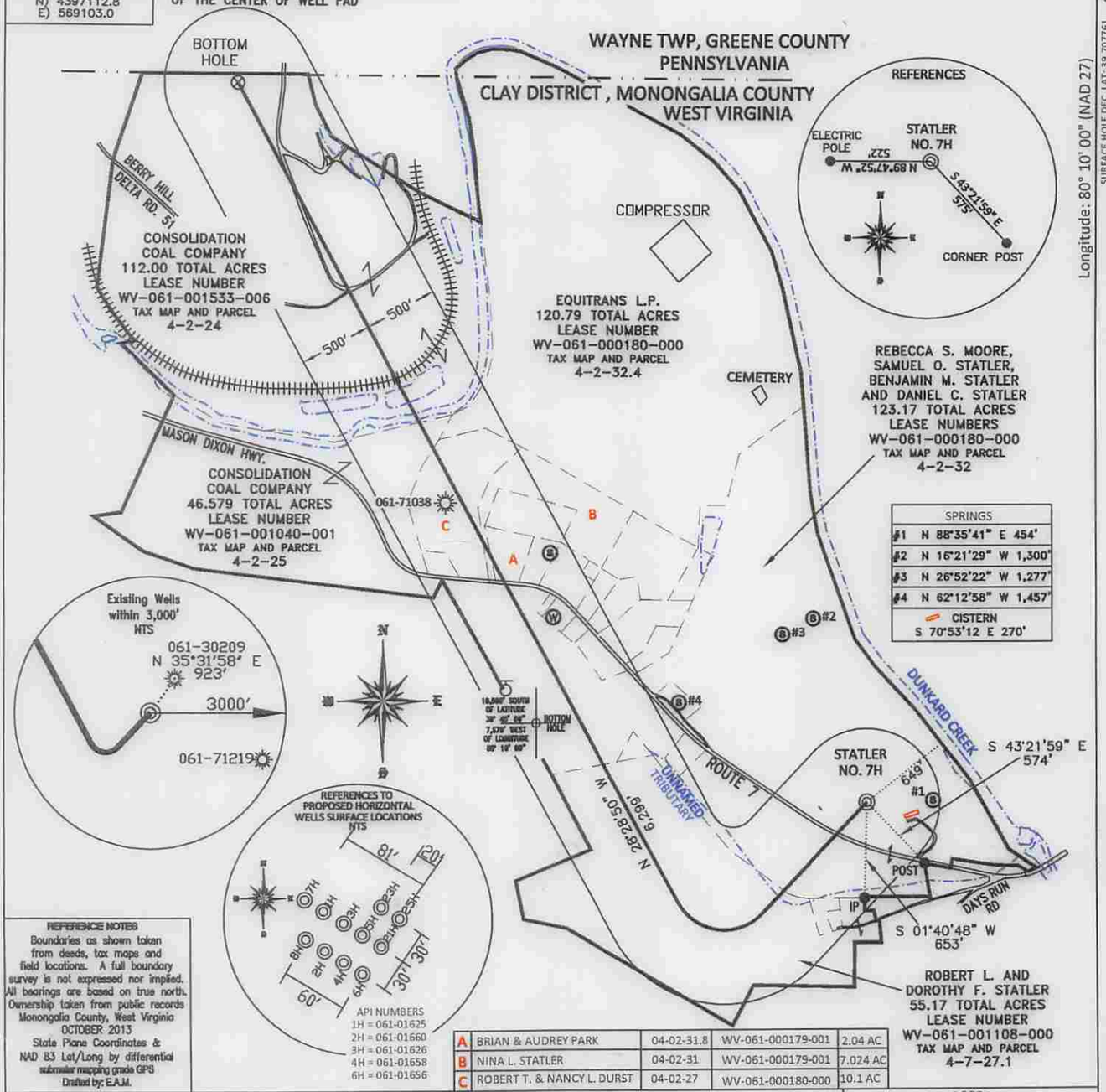
Latitude: 39° 42' 30" (NAD 27)

3,330'

Longitude: 80° 10' 00" (NAD 27)

SURFACE HOLE DEC. LAT: 39.707761
SURVEYED LAT: 39° 42' 27.9"

210'



A	BRIAN & AUDREY PARK	04-02-31.8	WV-061-000179-001	2.04 AC
B	NINA L. STATLER	04-02-31	WV-061-000179-001	7.024 AC
C	ROBERT T. & NANCY L. DURST	04-02-27	WV-061-000180-000	10.1 AC

REFERENCE NOTES
Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Ownership taken from public records Monongalia County, West Virginia
OCTOBER 2013
State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS
Drafted by: E.A.M.

FILE #: NNE007
DRAWING #: 1548
SCALE: PLAT = (1"=1000') TICK MARK = (1"=2000')
MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING GRADE GPS

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 ENVIRONMENTAL PROTECTION.

Signed:

L.L.S. #2124 : Ernest J. Benchek III

ERNEST J. BENCHEK III
LICENSED
No. 2124
STATE OF WEST VIRGINIA
PROFESSIONAL SURVEYOR

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

DATE: OCTOBER 29, 2014

OPERATOR'S WELL #: STATLER NO. 7H

API WELL #: 47 (STATE) 61 (COUNTY) 01697 H6A (PERMIT)

Well Type: ☐ Oil ☐ Waste Diposal ☐ Production ☐ Deep
☒ Gas ☐ Liquid Injection ☐ Storage ☒ Shallow

ASBUILT ELEVATION : 1,061'

WATERSHED: DUNKARD CREEK

COUNTY/DISTRICT: MONONGALIA / CLAY

QUADRANGLE: BLACKSVILLE, WV.

SURFACE OWNER: REBECCA S. MOORE, SAMUEL O. STATLER, BENJAMIN M. STATLER, DANIEL C. STATLER

ACREAGE: 243.96 +/-

OIL & GAS ROYALTY OWNER: REBECCA S. MOORE, SAMUEL O. STATLER, BENJAMIN M. STATLER, DANIEL C. STATLER

ACREAGE: 356.08 +/-

LEASE NUMBERS:

DRILL ☒ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☒
PLUG OFF FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☐
CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY):

TARGET FORMATION: MARCELLUS

ESTIMATED DEPTH: TVD: 7,898' TMD: 15,712'

WELL OPERATOR : NORTHEAST NATURAL ENERGY LLC

DESIGNATED AGENT : JOHN ADAMS

ADDRESS: 707 VIRGINIA STREET SUITE 1200

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CITY: CHARLESTON STATE: WV ZIP CODE: 25301

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