



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

May 15, 2015

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-9502231, issued to STATOIL USA ONSHORE PROPERTIES, INC., 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: BLIZZARD 3H

Farm Name: BLIZZARD, ROGER D. & SPENCI

API Well Number: 47-9502231

Permit Type: Horizontal 6A Well

Date Issued: 05/15/2015

Promoting a healthy environment.

05/15/2015

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.

WW-6B
(9/13)

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

1) Well Operator: Statoil USA Onshore Properties Inc. 494505083 Tyler Ellsworth Shirley-Sec. 1
Operator ID County District Quadrangle

2) Operator's Well Number: Blizzard 3H Well Pad Name: Blizzard

3) Farm Name/Surface Owner: Blizzard Farm/Roger D. Blizzard & Ruth E. Spencer Public Road Access: Gorrells Run Road

4) Elevation, current ground: 1008' Elevation, proposed post-construction: 1003'

5) Well Type (a) Gas Oil Underground Storage

Other

(b) If Gas Shallow Deep

Horizontal

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Associated Pressure(s):
Marcellus, Formation Top 6453 TVD, 30' thick, 4195 psi, *Intermediate Casing MASP 2300 psi

8) Proposed Total Vertical Depth: 6521' TVD

9) Formation at Total Vertical Depth: Marcellus Shale

10) Proposed Total Measured Depth: 14,499' MD

11) Proposed Horizontal Leg Length: 7978'

12) Approximate Fresh Water Strata Depths: 388' TVD

13) Method to Determine Fresh Water Depths: offset well data

14) Approximate Saltwater Depths: 1100' TVD

15) Approximate Coal Seam Depths: 202', 232'

16) Approximate Depth to Possible Void (coal mine, karst, other): NA

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: _____

RECEIVED
Office of Oil and Gas

APR 16 2015

WV Department of
Environmental Protection

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	H-40	94#	100'	100'	Cmt to surface-150 cu ft
Fresh Water	13.375"	New	J-55	54.4#	500'	500'	Cmt to surface-373 cuft
Coal							
Intermediate	9.625"	New	J-55	36#	2400'	2400'	Cmt to surface-815 cuft
Production	5.5"	New	P-110	20#	14499'	14499'	Cmt to 1400'-3053' cuft
Tubing							
Liners							

TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	26"	.438"	1530 psi	Class A	1.3 cu ft/sk
Fresh Water	13.375"	17.5"	.380"	2730 psi	Class A	1.29 cu ft/sk
Coal						
Intermediate	9.625"	12.25"	.352"	*3520 psi	Class A	1.29 cu ft/sk
Production	5.5	8.5"	.361"	12640 psi	Class A	2.42 cu ft/sk
Tubing						
Liners						

PACKERS

Kind:				
Sizes:				
Depths Set:				

AS
5/14/15

RECEIVED
Office of Oil and Gas

APR 16 2015

WV Department of
Environmental Protection

WW-6B
(9/13)

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

See Attached

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

Well will fractured through the plug-n-perf method with +/- 25 fracturing stages per well. Each fracturing treatment will have 400,000 lbs of sand mixed in 7500 Bbls. of fresh water. The fracturing rate will be between 80 and 100 bpm at a pressure lower than a maximum pressure of 10,000 psi.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 16.8 acres

22) Area to be disturbed for well pad only, less access road (acres): 8.4 acres

23) Describe centralizer placement for each casing string:

See attached

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

See attached

25) Proposed borehole conditioning procedures:

See attached

RECEIVED
Office of Oil and Gas

APR 16 2015

WV Department of
Environmental Protection

*Note: Attach additional sheets as needed.

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

20" conductor will be pre-set prior to start of operations and cemented in place to surface at approximately 100ft. A 17 1/2" surface hole will be drilled with fresh water to approximately 500' md/tvd. 13 3/8" surface casing will be installed and cemented to surface in order to isolate fresh water zones and provide a competent shoe for well control while drilling deeper horizons. A 12 1/4" intermediate hole section will be drilled with 5% KCL Polymer (WBM) and a conventional mud motor to approximately 2400' md/tvd through the base of the Big Injun formation. 9 5/8" Intermediate casing will be installed and cemented to surface in order to isolate the Red Beds and Big Injun formation from lower hydrocarbon bearing zones while providing a competent shoe for well control. An 8 1/2" vertical pilot hole will be drilling down to a MD/TVD of 6588', or approximately 50' into the Onondaga using 5% KCL Polymer WBM and Synthetic Based Mud (SBM). Following formation evaluation logging, the pilot hole will be plugged back using a densified cement plug, and an 8 1/2" horizontal sidetrack will be drilled targeting the Marcellus formation. An 8 1/2" vertical hole section will be to planned kick-off point using SBM and a conventional mud motor. The wellbore will be deviated from vertical and landed horizontally in the Marcellus Target horizon, and extended laterally to total depth of 14499' md/6521 vd using SBM and conventional mud motors. A 5 1/2" production casing will be installed and cemented so estimated top of cement is at least 300ft inside the previous casing shoe. The Drilling Rig will then be released to the next well.

23) Describe centralizer placement for each casing string

Surface - 1 centralizer w/ stop collar 10 ft above float shoe. One Single Bow every joint to 100ft below surface.

Intermediate – 1 centralizer w/ stop collar 10 ft above float shoe. 1 centralizer w/ stop collar 10 ft above float collar. 1 centralizer every joint for the first 15 joints. One centralizer every 3 jnts to 100ft below surface.

Production - 1 centralizer w/ stop collar 10ft above shoe. 1 centralizer 10ft above float collar. 1 centralizer every joint (floating) until KOP. 1 centralizer every 3 joints (floating) until 200ft inside intermediate shoe. 1 centralizer 50ft below mandrel hanger.

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

Surface - Class A + 3% CaCl₂

Intermediate - Class A cmt, 0.05% Retarder, 0.25% Defoamer, 1% Accelerator, 0.25% Dispersant, 0.65% Retarder, 9.10 gal/sk Fresh Water.

Production - Class A cmt, 10% bwow Dispersant, 0.6% bwoc Fluid Loss, 0.4% bwoc Retarder, 0.1% bwoc Free water control agent, 0.25% bwoc Defoamer, 0.1% bwoc Fluid Loss, 6.32 gal/sk Fresh Water.

Pilot – Densified Cement Plug – Class A cmt, 0-1% bwoc dispersant, 0-1% bwoc defoamer, 0-1% bwoc retarder

Received
Office of Oil & Gas
JAN 16 2015

05/15/2015

25) Proposed borehole conditioning procedures:

Surface – Drilled with fresh water to section total depth. Prior to tripping, hole will circulated clean of cuttings and back-reamed if necessary.

Intermediate – Drilled with 9.0 ppg 5% KCL Polymer Water Based Mud (WBM) to section total depth. At section total depth, pump 40bbl viscous pill and circulate hole clean.

Production – Drilled with 12.5-13.0 ppg Synthetic Based Mud (SBM) to section total depth. At section total depth pump 2-3 20bbl heavy weighted pill sweeps to transport excess cutting from the hole until clean. Pump rates will be maintained in excess of 600 GPM, and rotation in excess of 100 RPM to assist cuttings transport. A 60 bbl tuned weighted spacer will be pumped ahead of the cement to assist in mud cake removal and water wett both casing and formation.

Pilot – Drilled with 8.6 – 12.0 ppg SBM to section total depth. The hole will be circulated, and 20 bbl high vis pills pumped as needed, until shakers run free of cuttings.

Received
Office of Oil & Gas
JAN 16 2015

CEMENT ADDITIVES

Surface - Class A + 3% CaCl₂

Intermediate - Class A cmt, 0.05% Retarder, 0.25% Defoamer, 1% Accelerator, 0.25% Dispersant, 0.65% Retarder, 9.10 gal/sk Fresh Water.

Production - Class A cmt, 10% bwoc Dispersant, 0.6% bwoc Fluid Loss, 0.4% bwoc Retarder, 0.1% bwoc Free water control agent, 0.25% bwoc Defoamer, 0.1% bwoc Fluid Loss, 6.32 gal/sk Fresh Water.

Received
Office of Oil & Gas
JAN 16 2015

Statoil										
Well Name: <u>Blizzard 3S/H</u>		GLE (ft): <u>1,002</u>		Hole depth: <u>TVD(ft): 6,588</u> <u>Casing depth:</u>						
Field Name: <u>Marcellus</u>		RKB (ft): <u>22</u> (<u>Polaris 14</u>)		TMD(ft): <u>6,588</u>						
County: <u>Tyler Co., WV</u>		BHL: X = <u>14335919.40</u> Y = <u>1685336.60</u>		Profile: <u>Pilot</u>						
API #: <u>0</u>		SHL: X = <u>1434452.00</u> Y = <u>1682371.30</u>		AFE No.: <u>PERMITTING</u>						
Formations & Csg Points	Depth, ft			Form. Temp. (F)	Pore Press. (EMW)	Frac Gradient (EMW)	Planned MW	Measure Depth (ft)	Program	Details
	MD	TVD	SS							
Conductor	100	100	-100					100		20" Conductor
										17 1/2" Surface
Pittsburgh Coal		0					8.6			Profile: Vertical
Red Clay		0								Bit Type: 17-1/2" Tri-Cone
Approximate Fresh Water Strata ~388'										
							8.6			BHA: Rotary Assembly
Casing Point	500	500	-500	65				500		Mud: 8.6 ppg Fresh Water
										Surveys: n/a
										Logging: n/a
										Casing: 13.375 54.5 J-55 BTC at 500' MD/500' TVD
										Centralizers: 1 centralizer w/ stop collar 10 ft above float shoe. One Single Bow every joint to 100ft below surface.
										Cement: 15.8 ppg Tail slurry w/ TOC @ Surface
										Potential Drilling Problems: Stuck Pipe, Floating, Collision,
										FIT/LOT: 14.0 ppg EMW 12 1/4" Intermediate
										Profile: Vertical
										Bit Type: 12-1/4" Kymera
										BHA: 8in 6:7 Lobe 4.0 Stg 1.5 ABH (0.17 rpg/620 Diff)
										Mud: 9.1 ppg 5% KCl
										Surveys: Gyro SS, MWD - EM Pulse
										Logging: n/a
										Casing/Liner: 9.625 36 J-55 BTC at 'MD/' TVD
										Csg Hanger: Mandrel Hanger
										Centralizers: 1 centek centralizer w/ stop collar 10 ft above float shoe. 1 centek centralizer w/ stop collar 10 ft above float collar. 1 centralizer every joint for the first 15 joints. One centralizer every 3 jnts to 100ft below surface.
										Cement: 15.8 ppg Tail slurry w/ TOC @ Surface
										Potential Drilling Problems: Hole @eaning, Poor ROP, Buckling,
										FIT/LOT: 15.8 ppg EMW 8 1/2" Pilot
										Profile: Vertical
										Bit Type: 8-1/2" PDC
										BHA: 6.75in 6/7 lobe 5.0 stg 1.95 FBH .29 rpg 715 DIFF
										Mud: 12 ppg SBM
										Surveys: MWD - EM Pulse w/ 30ft surveys in curve, 100ft surveys in lateral
										Logging: GR
										Casing/Liner: 5.5 20 P110EC VAM TOP HT at ft MD/ ft TVD
										Marker Joints: Mandrel Hanger
										Centralizers: 1 centek centralizer w/ stop collar 10 ft above float shoe. 1 centek centralizer w/ stop collar 10 ft above float collar. 1 centralizer every joint for the first 15 joints. One centralizer every 3 jnts to 100ft below surface.
										Cement: 16 ppg Plug w/ toc @ 17.5 ppg Densified Plug w/ toc @
										Potential Drilling Problems: Bit Preservation, Hole @eaning..
										Notes / Comments:
										Open Hole
										TMD: 6,588
										TVD: 6,588
										6,588

Last Revision Date: 12/11/2014
Revised by: TB Gilbert

Note: Depths are referenced to RKB
Note: Not Drawn to Scale

Received
Office of Oil & Gas
JAN 16 2015



Marcellus - Drilling Well Schematic

Well Name: Blizzard 3S/H
 Field Name: Marcellus
 County: Tyler Co., WV
 API #: 0

BHL: X = 14335919.4 Y = 1685336.6
 SHL: X = 1434452.0 Y = 1682371.3

GLE (ft): 1,002
 DF (ft): 22
 TVD (ft): 6,521
 TMD (ft): 14,499
 Profile: Horizontal
 AFE No.: PERMITTING

Formations & Csg Points	Depth, ft			Form. Temp. (F)	Pore Press. (EMW)	Frac Gradient (EMW)	Planned MW	Measure Depth (ft)	Program	Details
	MD	TVD	SS							
Conductor	100	100	924	-	-	-	-	100		20" Conductor
										17-1/2" Surface
Pittsburgh Coal	0						8.6		Profile: Vertical Bit Type: 17-1/2" Tri-Cone BHA: Rotary Assembly Mud: 8.6 ppg Fresh Water Surveys: n/a Logging: n/a Casing: 13.375 54.5 J-55 BTC at 500' MD/500' TVD 1 centralizer w/ stop collar 10 ft above float shoe. One Single Bow every joint to 100ft below surface.	
Red Clay	0								Centralizers: 15.8 ppg Tail slurry w/ TOC @ Surface	
Approximate Fresh Water Strata ~388'										
							8.6		Potential Drilling Problems: Stuck Pipe, Floating, Collision,	
Casing Point	500	500	524	65	-	-	-	500		12-1/4" Intermediate
							9.1		FIT/LOT: 14.0 ppg EMW Profile: Vertical Bit Type: 12-1/4" Kymera BHA: Bin 6:7 Lobe 4.0 Stg 1.5 ABH (0.17 rpg/620 Diff) Mud: 9.1 ppg 5% KCl Surveys: Gyro SS, MWD - EM Pulse Logging: n/a Casing/Liner: 9.625 36 J-55 BTC at ' MD/' TVD Csg Hanger: Mandrel Hanger 1 centek centralizer w/ stop collar 10 ft above float shoe. 1 centek centralizer w/ stop collar 10 ft above float collar. 1 centralizer every joint for the first 15 joints. One centralizer every 3 jnts to 100ft below surface.	
1st Salt Sand	451								Centralizers: 15.8 ppg Tail slurry w/ TOC @ Surface	
2nd Salt Sand	0								Potential Drilling Problems: Hole Cleaning, Poor ROP, Buckling,	
3rd Salt Sand	0									
Maxton Sand	0									
Keener Sand	0									
Big Lime	0									
Big Injun	2,286									
Berea Sand	2,618						9.1			
Casing Point	2,400	2,400	-1,376	82	-	>18.0	-	2,400		8-1/2" Production
Gordon Sand	3,033						8.6		FIT/LOT: 15.8 ppg EMW Profile: Lateral Bit Type: 8-1/2" PDC BHA: 6.75in 6/7 lobe 5.0 stg 1.95 FBH .29 rpg 715 DIFF Mud: 12 ppg SBM Surveys: MWD - EM Pulse w/ 30ft surveys in curve, 100ft surveys in lateral Logging: GR Casing/Liner: 5.5 20 P110EC VAM TOP HT at ft MD/ ft TVD Csg Hanger: Mandrel Hanger 1 centek centralizer w/ stop collar 10ft above shoe. 1 centek centralizer 10ft above float collar. 1 centek centralizer every joint (floating) until KOP. 1 centek centralizer every 3 joints (floating) until 200ft inside intermediate shoe. 1 centek centralizer 50ft below mandrel hanger.	
Java	5,072						8.6		Centralizers: 15 ppg Tail slurry w/ TOC @ 1400' MD'	
Angola	0						8.6		Potential Drilling Problems: Bit Preservation, Hole Cleaning,	
Rhinestreet	0						8.6			
Cashaqua	0						8.6			
Middlesex	0						8.6			
KOP	6,195	6,149					12.0			
West River	6,343						12.0			
Genesco	6,412						12.0			
Marcellus	6,453						12.0			
Cherry Valley	6,477						12.0			
Landing point	7,018	6,501					12.0			TMD: 14,499 TVD: 6,521
Onondaga	6,510						-			

Received
Office of Oil & Gas

Last Revision Date: 12/11/2014
Revised by: TB Gilbert

Note: Depths are referenced to RKB
Note: Not Drawn to Scale

Cement Outside Casing

WW-9
(9/13)

95 - 0 2 2 3 1

API Number 47 - _____ - _____
Operator's Well No. Blizzard 3H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Statoil USA Onshore Properties Inc. OP Code 494505083

Watershed (HUC 10) Gorrell Run - Middle Island Creek Quadrangle Shirley - Sec. 1

Elevation 1008' County Tyler District Ellsworth

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: _____

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 Green Hunter API# 34-121-23I95)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

MDG
1-8-15

Will closed loop system be used? If so, describe: Yes

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. All/Fresh water-vert sec/oil based mud horiz sec

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

Additives to be used in drilling medium? emulsifier, food grade, barite, surfactant, calcium carbonate, gilsonite, lubricant, graphite, lime

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfill

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

-Landfill or offsite name/permit number? Wetzel County Landfill

Received
Office of Oil & Gas
JAN 16 2015

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.

Company Official Signature Bekki Winfree

Company Official (Typed Name) Bekki Winfree

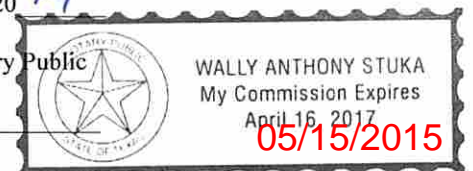
Company Official Title Sr. Regulatory Advisor

Subscribed and sworn before me this 11 day of December, 20 14

Wally Anthony Stuka

Notary Public

My commission expires April 16, 2017



Form WW-9

Operator's Well No. Blizzard 3H

Statoil USA Onshore Properties Inc.

Proposed Revegetation Treatment: Acres Disturbed 12.4 Prevegetation pH Unknown

Lime 3 Tons/acre or to correct to pH 6

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Winter Rye - 168 lbs/acre

Tall Fescue or Orchard Grass - 40 lbs/acre

Annual Ryegrass - 40 lbs/acre

Ladino Clover - 3 lbs/acre

Redtop - 3 lbs/acre

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: Michael Doff

Comments: Preseed & Mulch any disturbed areas per WVAFA regulation. Maintain or upgrade E-n-s as necessary.

Received
Office of Oil & Gas

JAN 16 2015

Title: Oil & Gas Inspector Date: 1-8-2015

Field Reviewed? Yes No



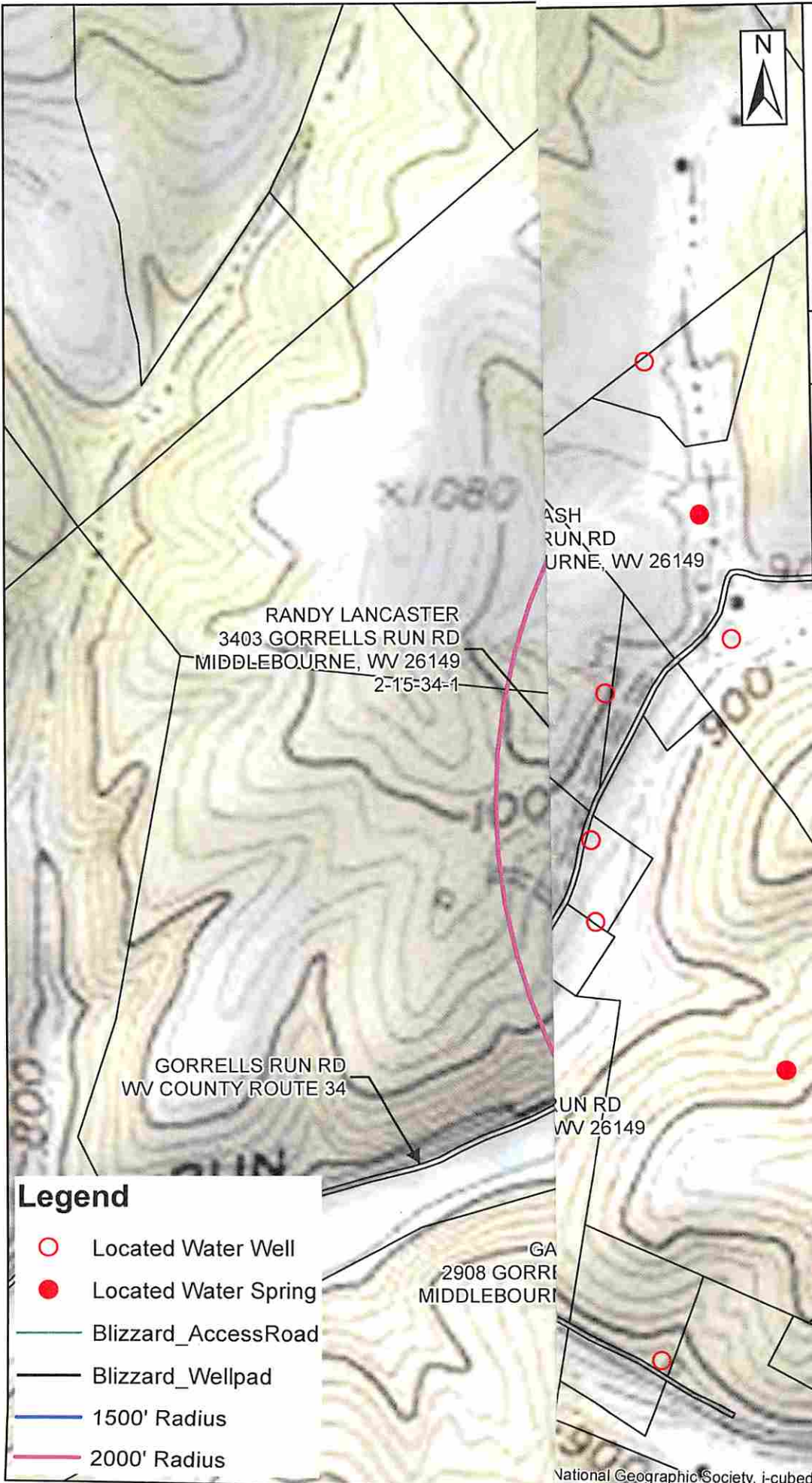
Blizzard Pad – Site Safety Plan

Statoil USA Onshore Properties, Inc.

Received
Office of Oil & Gas
JAN 16 2015

Michael Goff
1-8-15

05/15/2015



Larson Design Group

Date 11/7/2014

Designer RTC

Project No. 8790-003-18

Scale 1 inch = 500 feet

Blizzard Water Well Map

Ellsworth District, Tyler County, WV

95 - 0 2 2 3 1

Legend

- Located Water Well
- Located Water Spring
- Blizzard_AccessRoad
- Blizzard_Wellpad
- 1500' Radius
- 2000' Radius



05/15/2015

National Geographic Society, i-cubed

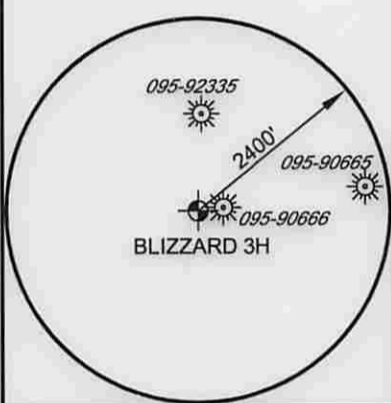
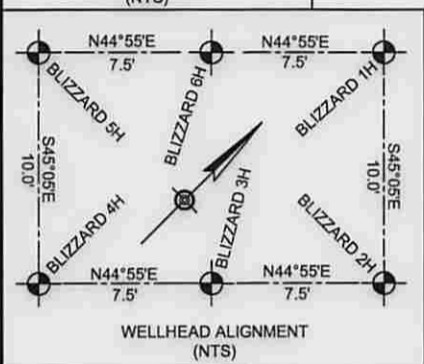
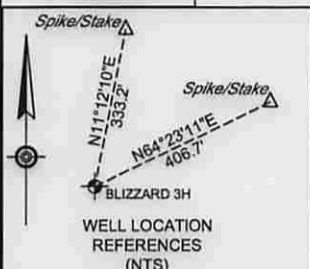
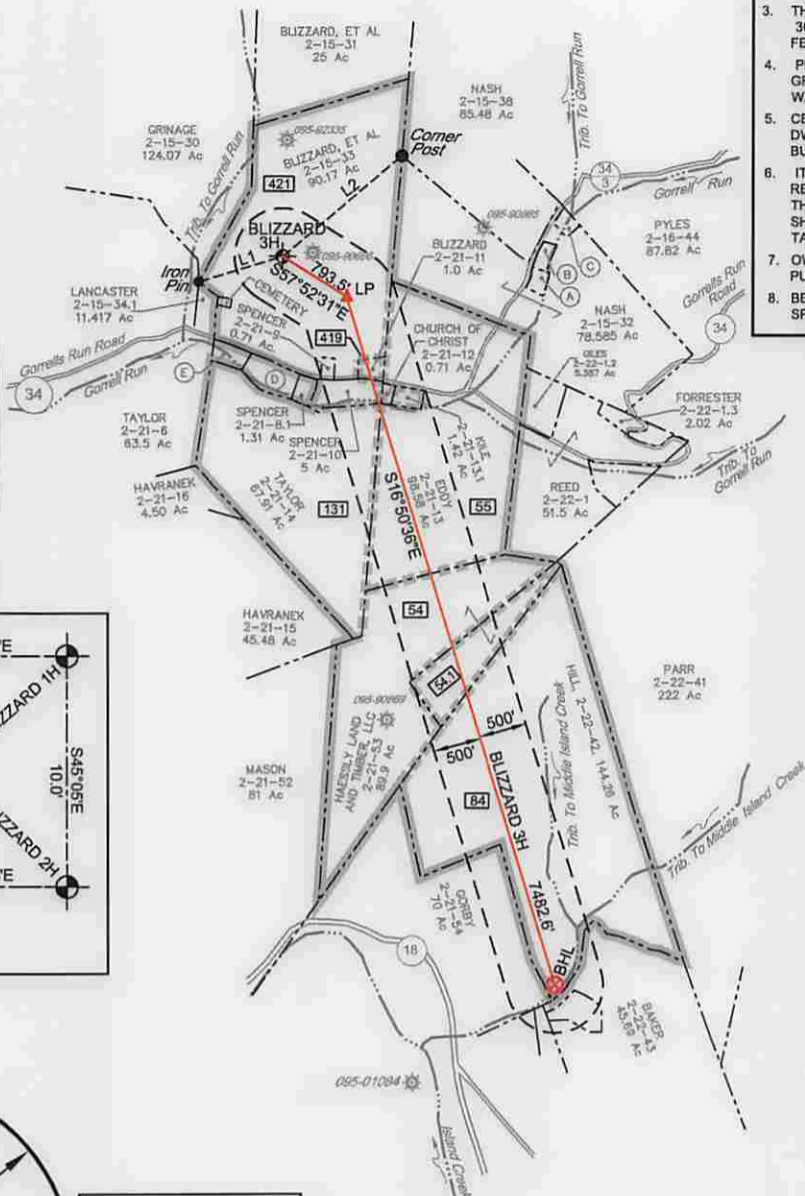
SURFACE HOLE LOCATION	
UTM 17 - NAD 83	N - 4372110.68
	E - 512802.23
WV SPC NORTH NAD83	
	N - 366555.22
	E - 1587252.28
LANDING POINT LOCATION	
UTM 17 - NAD 83	N - 4371985.55
	E - 513009.09
WV SPC NORTH NAD83	
	N - 366133.29
	E - 1587924.25
BOTTOM HOLE LOCATION	
UTM 17 - NAD 83	N - 4369814.76
	E - 513706.05
WV SPC NORTH NAD83	
	N - 358971.67
	E - 1590092.40

5072' LATITUDE: 39° 30' 00" LONGITUDE: 80° 50' 00" 574'

- NOTES
1. THERE ARE NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' OF THE PROPOSED WELL.
 2. PROPOSED PAD, LOD, OR E&S CONTROL FEATURE IS GREATER THAN 100' FROM PERENNIAL STREAM, WETLAND, POND, RESERVOIR OR LAKE.
 3. THERE ARE NO NATIVE TROUT STREAMS WITHIN 300' OF PROPOSED PAD, LOD, OR E&S CONTROL FEATURE.
 4. PROPOSED PAD, LOD, OR E&S CONTROL FEATURE IS GREATER THAN 1000' FROM SURFACE OR GROUND-WATER INTAKE OF PUBLIC WATER SUPPLY.
 5. CENTER OF PAD IS 625 FEET FROM OCCUPIED DWELLING STRUCTURE AND AGRICULTURAL BUILDINGS LARGER THAN 2500 SQUARE FEET.
 6. IT IS NOT THE INTENTION OF THIS PLAT TO REPRESENT A COMPLETE BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON. BOUNDARIES AS SHOWN TAKEN FROM RECORD DEED DESCRIPTIONS, TAX MAPS, AND SUPPLEMENTAL FIELD SURVEY.
 7. OWNERSHIP DATA GATHERED FROM COUNTY PUBLIC TAX AND DEED RECORDS.
 8. BEARINGS SHOWN ARE BASED ON WEST VIRGINIA SPC NORTH, NAD 83 DATUM

LEGEND

- OUTER LEASE BOUNDARY.
- INTERIOR LEASE BOUNDARY
- SURFACE TRACT LINES
- WELL REFERENCE LINES
- ⊙ - COUNTY ROADS
- - PUBLIC ROADS
- BLUE-LINE STREAMS
- ⊠ - MINERAL OWNER
- ☉ - PROPOSED WELL
- ☼ - EXISTING WELL
- ▲ - LANDING POINT
- ⊗ - BOTTOM HOLE



PROPERTY TIES

L1 - S73°14'37"W	915.1'
L2 - N50°04'58"E	1618.4'

BLIZZARD #3H MINERAL OWNERSHIP

421 - SOMERSET MINERALS, LP, ET AL
419 - VIRGINIA DIANNE THOMPSON, ET AL
131 - JAMES R. AND SANDRA I. SWAN, ET AL
65 - ALFRED LONZO EDDY, ET AL
54 - HAESSLY LAND AND TIMBER CO., LLC
54.1 - D. RALPH THACKER, ET AL
84 - JUDITH M. ROGERS, ET AL

LEGEND OF PROPERTIES

A - NASH,	2-16-57,	1 Ac
B - NASH,	2-16-56,	1 Ac
C - REYNOLDS,	2-16-54,	1Ac
D - BLIZZARD,	2-21-8,	3.747Ac
E - BENNETT,	2-21-7,	1.75 Ac

FILE NO. 8790-003-18

DRAWN BY DMS

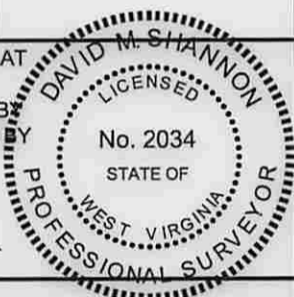
SCALE 1 INCH = 2000 FEET

MIN DEGREE OF ACCURACY 1 IN 2500

PROVEN SOURCE OF ELEVATION SURVEY 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 DIVISION OF ENVIRONMENTAL PROTECTION

David M. Shannon
P.S. #2034



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

LDG Lerson Design Group

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL

IF "GAS", PRODUCTION STORAGE DEEP SHALLOW

LOCATION: WATERSHED GORRELL RUN - MIDDLE ISLAND CREEK

COUNTY/DISTRICT TYLER / ELLSWORTH

SURFACE OWNER ROGER D. BLIZZARD & RUTH E. SPENCER

OIL & GAS ROYALTY OWNER SEE TABLE ABOVE

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE

PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON

CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) _____

TARGET FORMATION: MARCELLUS

WELL OPERATOR: STATOIL USA ONSHORE PROPERTIES, INC.

ADDRESS 2103 CITYWEST BOULEVARD / SUITE 800
HOUSTON TX, 77042

W.V.D.E.P. OFFICE OF OIL AND GAS
601 57TH STREET
CHARLESTON, WV 25304

DATE 4-16-2015

OPERATORS WELL NO. BLIZZARD 3H

API WELL NO. 47

STATE 095 COUNTY 02231 H&A

PERMIT 05/15/2015

ELEVATION 1004'

QUADRANGLE SHIRLEY - SEC. 1

ACREAGE 90.17 ±

ACREAGE 497.5±

ESTIMATED DEPTH 6516'

DESIGNATED AGENT RICHARD PYLES

ADDRESS 803 NASH ROAD
MIDDLEBOURNE, WV 26149

COUNTY NAME PERMIT

WW-6A1
(5/13)

Operator's Well No. Blizzard 3H

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
----------------------	-----------------------	-----------------------	---------	-----------

(Please see Attachment for Details)

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Received
Office of Oil & Gas
JAN 16 2015

Well Operator: Statoil USA Onshore Properties Inc.
By: Bekki Winfree *Bekki Winfree*
Its: Prin Cons D&W Tech

APR 16 2015

WV Department of
~~Environmental Protection~~
~~Bottom Hole~~ Protection

Form WW-6A-1 - Preliminary Information: (Attachment)

Blizzard #3H

NOTE: All Mineral / Unit Tracts are identified on the Well Plat in Order from Top Hole to Bottom Hole.

TRACT #421

Lease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
000161517-018	Brenda Lea Yoho	PetroEdge Energy, LLC	At least 1/8	402/718
000161517-017	William Baker	PetroEdge Energy, LLC	At least 1/8	402/715
N/A	PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	419/247

TRACT #419

Lease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
000161517-010	Virginia Dianne Thompson	PetroEdge Energy, LLC	At least 1/8	418/312
000161517-001	Carol Craig Rich	PetroEdge Energy, LLC	At least 1/8	411/463
N/A	PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	436/1

TRACT #131

Lease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
000115562-002	James R. and Sandra I. Swan, Co-Trustees of the Swan Living Trust, dated May 10, 2004	PetroEdge Energy, LLC	At least 1/8	400/694
000115562-003	Nita Powell, a widow	PetroEdge Energy, LLC	At least 1/8	401/249
N/A	PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	408/66

TRACT #55

Lease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
000116397-003	Alfred Lonzo Eddy, a married man, dealing in his sole and separate property	PetroEdge Energy, LLC	At least 1/8	411/534

N/A	PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	436/1
000116397-002	Stephanie K. Perkins, a married woman, dealing in her sole and separate property	PetroEdge Energy, LLC	At least 1/8	381/203
N/A	PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	406/147

TRACT #54

<u>Lease Name or Number</u>	<u>Grantor, Lessor</u>	<u>Grantee, Lessee</u>	<u>Royalty</u>	<u>Book / Page</u>
	Haessly Land & Timber LLC (Lease dated 9/26/2014 – currently being filed of record – attached herein)	Statoil USA Onshore Properties, Inc.	At least 1/8	462/202

TRACT #54.1

<u>Lease Name or Number</u>	<u>Grantor, Lessor</u>	<u>Grantee, Lessee</u>	<u>Royalty</u>	<u>Book / Page</u>
000115563-000	D. Ralph Thacker, a married man dealing in his sole and separate property, and J. Maurice Carlisle Jr., a widower	PetroEdge Energy, LLC	At least 1/8	381/820
N/A	PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	406/147

TRACT #84

<u>Lease Name or Number</u>	<u>Grantor, Lessor</u>	<u>Grantee, Lessee</u>	<u>Royalty</u>	<u>Book / Page</u>
000143450-005	Judith M. Rogers, a widow	PetroEdge Energy, LLC	At least 1/8	423/53
000143450-009	Leslie C. Townsend, a single woman	PetroEdge Energy, LLC	At least 1/8	425/64
N/A	PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	436/1

RECEIVED
Office of Oil and Gas

APR 16 2015

BLIZZARD 3H ROAD CROSSING LETTERS

STO TR 421

STO TR 419

STO TR 131

STO TR 55

STO TR 54

STO TR 54.1

STO TR 84

Received
Office of Oil & Gas
JAN 16 2015

MILLER LAW OFFICES, PLLC

KENNETH R. MILLER
KENNETH ALEXANDER MILLER II*

*Also Admitted in Ohio

ATTORNEYS AT LAW
936 EAST PARK AVENUE, SUITE 2
POST OFFICE BOX 2116
FAIRMONT, WEST VIRGINIA 26554
millerlawofficeswv@gmail.com
millerlawofficeswv.com

304-366-0822
FAX: 304-366-0825

January 14, 2015

Statoil USA Onshore Properties, Inc.
Attn: Joshua S. Ozment, Senior Landman
MAR LAN OPR
2103 City West Blvd, Suite 800
Houston, TX 77042

Re: Road Crossing Letters Requirement
Title Index No. 421
Title of Lawrence O. Price, et al.
to 95.88 acres oil and gas
waters of Elk Fork, Ellsworth District
Tyler County, West Virginia
Tax Map #15 parcel 33 and Tax Map #21 parcels 9 and 10

Dear Mr. Ozment:

Pursuant to your request, I hereby certify I have made a personal examination of the records contained in the office of the Clerk of the County Commission of Tyler County, West Virginia relative to the captioned tract, as of the 14th day of January, 2015.

State of West Virginia Ownership Under Public Roads

Based on the materials examined in the Clerk's office, the State of West Virginia is not vested with an interest in the subject oil and gas, executive right, or royalty under any public roads located within the boundary of the subject tract. I did not locate any conveyances of record to the State of West Virginia or the County Commission for roads from the owners of the oil and gas. However, the Department of Transportation might have a different opinion so it is likely wise to contact it prior to drilling under roads, if any, that overlie the subject oil and gas.

Respectfully submitted,



Alex Miller

Received
Office of Oil & Gas

JAN 16 2015

05/15/2015

December 17, 2014

Statoil North America, Inc.
2103 CityWest Boulevard, Suite 800
Houston, TX 77042

Attention: Joshua S. Ozment
Senior Landman

Re: Tract Index No. 419 - Prospect No. 20140127.6
Blizzard # 2 S Unit – Tax Parcel No. 2-21-11
Robert C. Craig, et al 1 acre
Ellsworth District
Tyler County, West Virginia

ORIGINAL DRILLING TITLE OPINION

DESCRIPTION OF LANDS

Tax Parcel No. 2-21-11, containing 1 acre, more or less, out of Ellsworth District in Tyler County, West Virginia, and being the same land described in a Deed, dated August 22, 1970, from Alfred A. Blizzard and wife, Helen Blizzard, to Roger D. Blizzard and wife, Darlene F. Blizzard, recorded in Book 186, Page 466, Office of the Clerk of the County Commission, Tyler County, West Virginia.

The above lands are hereinafter referred to as the Subject Lands, and a map depicting the approximate location of the Subject Lands is attached to this Opinion as Exhibit "A."

OWNERSHIP

Based upon our examination of the materials referenced below in Exhibit "B," and subject to the comments, objections, requirements, and limitations hereinafter set forth, we find title to the Subject Lands, for the period of time from January 1, 1830, to October 3, 2014, to vest as follows:

Received
Office of Oil & Gas

JAN 16 2015

05/15/2015

Flicky Homan (0.04166667 x 17%) [L3]	0.00000000	0.00708334
William Thomas Harvey (0.04166667 x 17%) [L4]	0.00000000	0.00708333
Ernest M. Smith (0.11458333 x 15%) [L5]	0.00000000	0.01718750
Ann Lynn Zirkle (0.15625 x 15%) [L6]	0.00000000	0.02343750
Christine Smith (0.05729167 x 15%) [L7]	0.00000000	0.00859375
Don A. Smith (0.11458333 x 15%) [L8]	0.00000000	0.01718750
Dianne S. Thompson and Charles Wayne Thompson, Trustees of the Virginia D. Thompson Living Trust (0.25 x 15%) [L9]	0.00000000	0.03750000
Lisa Sparks Young (0.05729167 x 15%) [L10]	0.00000000	0.00859375
Pami Lynn Kranston (0.04166666 x 17%) [L11]	0.00000000	0.00708333
TOTAL	1.00000000	1.00000000

STATE OF WEST VIRGINIA OWNERSHIP UNDER PUBLIC ROADS

Based on the Materials Examined, the State of West Virginia is not vested with any interest in the oil and gas executive rights and mineral fee and the oil and gas royalty in and under any public roads located within the boundary of the Subject Lands.

INSTRUMENTS AFFECTING THE MINERAL ESTATE

Unless otherwise noted, all references to Books, Pages and Instrument Numbers in this Opinion shall refer to the public records of the Office of the Recorder of the county in which the Subject Lands are situated.

Received
Office of Oil & Gas

JAN 16 2015

05/15/2015



OIL, GAS & MINERAL LAW

6017 W. MAIN STREET
FRISCO, TEXAS 75034
TEL: 214.417.2880
FAX: 972.418.1931
www.btenergylaw.com

December 15, 2014

Statoil North America, Inc.
2103 CityWest Boulevard, Suite 800
Houston, TX 77042

Attention: Joshua S. Ozment
Senior Landman

Re: Tract Index No. 131 - Prospect No. 20140127.6
Blizzard #2 S Unit - Tax Parcel No. 2-21-14
Swan Living Trust, et al 67.91 acres
Ellsworth District
Tyler County, West Virginia

ORIGINAL DRILLING TITLE OPINION

DESCRIPTION OF LANDS

Tax Parcel No. 2-21-14, containing 67.91 acres, more or less, out of Ellsworth District in Tyler County, West Virginia, and being the same land described as the First Tract in a Deed, dated January 13, 2012, from Gregory F. Taylor, Mark E. Taylor, Carla M. Babe and Jack E. Taylor to Carl E. Taylor and wife, Elsie M. Taylor, recorded in Book 391, Page 181, Office of the Clerk of the County Commission, Tyler County, West Virginia.

The above lands are hereinafter referred to as the Subject Lands, and a map depicting the approximate location of the Subject Lands is attached to this Opinion as Exhibit "A."

OWNERSHIP

Based upon our examination of the materials referenced below in Exhibit "B," and subject to the comments, objections, requirements, and limitations hereinafter set forth, we find title to the Subject Lands, for the period of time from June 5, 1843 to October 8, 2014, to vest as follows:

Received
Office of Oil & Gas

JAN 16 2015

05/15/2015

STATE OF WEST VIRGINIA OWNERSHIP UNDER PUBLIC ROADS

Based on the Materials Examined, the State of West Virginia is not vested with any interest in the oil and gas executive rights and mineral fee and the oil and gas royalty in and under any public roads located within the boundary of the Subject Lands.

INSTRUMENTS AFFECTING THE MINERAL ESTATE

Unless otherwise noted, all references to Books, Pages and Instrument Numbers in this Opinion shall refer to the public records of the Office of the Recorder of the county in which the Subject Lands are situated.

OIL AND GAS ESTATE:

OIL AND GAS LEASES

L1

OIL AND GAS LEASE

DATE: May 9, 2011
 FILED: June 24, 2011 (Memorandum Only)
 RECORDED: Book 384, Page 462 (Memorandum Only)
 LESSOR: Kathryn Martin Snodgrass and William Snodgrass, her husband
 LESSEE: PetroEdge Energy LLC
 LANDS DESCRIBED: The Subject Lands, being Tax Parcel No. 2-21-14, located in Ellsworth District, Tyler County, West Virginia
 INTEREST COVERED: None. See Objection and Requirement No. 5 below.
 PRIMARY TERM: 5 years
 RENEWAL: None
 ROYALTY: One-eighth (1/8)
 EXAMINER'S NOTE: See Objection and Requirement No. 5 below.

L2

OIL AND GAS LEASE

DATE: August 20, 2012
 FILED: September 19, 2012 (Memorandum Only)
 RECORDED: Book 400, Page 694 (Memorandum Only)
 LESSOR: James R. Swan and Sandra I. Swan, Co-Trustees of The Swan Living Trust, dated May 10, 2004
 LESSEE: PetroEdge Energy LLC
 LANDS DESCRIBED: The Subject Lands, being Tax Parcel No. 2-21-14, located in Ellsworth District, Tyler County, West Virginia
 INTEREST COVERED: 13/16 oil and gas interest underlying the Subject Lands INsofar ONLY as said lands cover and include all depths and formations from the stratigraphic equivalent of 250'

Recorded
 Office of Oil & Gas

JAN 16 2015

05/15/2015

RADCLIFF PLLC

Patrick N. Radcliff
Attorney at Law
1211 10th St.
Vienna, WV 26105

Patrickradcliff@hotmail.com
304-295-6027

Date August 13, 2014

Statoil North America, Inc.
2103 City West Boulevard/Suite 800
Houston, TX 77042
Attn: Joshua S. Ozment, Senior Landman
MAR LAN OPR

Tyler #55

RE: Alfred Alonzo Eddy & Stephanie K. Perkins
98.59 acres, Ellsworth District
Tyler County, WV
Index 55, Tax Map 21 Parcel 13

FINAL TITLE OPINION

Dear Statoil:

I do hereby certify that I have made a personal examination of copies of records contained in the Office of the Clerk of the County Commission of Tyler County, West Virginia, and the Sheriff's Office of Tyler County, West Virginia, which records were delivered to me by your agents, and I have personally examined the indexes to such records maintained by said Clerk's Office and based upon such examination, assuming the accuracy of said copies and subject to the accuracy of the indexes to such records and further subject to the matters set forth herein and to any state of facts not appearing of record, I hereby certify that I have examined the title upon the above-referenced property and report the following state of title:

1. LEASEHOLD ESTATE

A. DESCRIPTION OF SUBJECT LEASES

1. Memorandum of Oil and Gas Lease dated March 23, 2011, being of record on April 8, 2011 in the Office of the Clerk of the County Commission in Deed Book 381 at page 203 by and between Stephanie K. Perkins, a married woman dealing in her sole and separate property, Lessor, and Petroedge Energy, LLC, a limited liability company, Lessee, upon a tract said to contain 99.998 acres, to the subject tract, situate in Ellsworth District and further described as being Map 21, Parcel 13 and 13.1.

North by Wm. S. and Opal Marie Nash
East by Wm. S. and Opal Marie Nash; Robert O. and Geraldine Reed (Life)

Received
Office of Oil & Gas

JAN 16 2015

F. INTERESTS OF STATE OF WVA IN ROADS AND EASEMENTS

There are no conveyances of record to the State of West Virginia for roads or other easements from the owners of the oil and gas during the period of this search. Therefore, based upon the records available in the Tyler County Court House and recorded during the period of this title examination, the State holds no interest in the oil and gas underlying the subject property which would affect the subject leases.

NOTE

However, tax maps show that a road, believed to be named Gorrells Run Road, aka County Rt.34 passes through the subject tract. Upon consultation with legal staff of the West Virginia Department of Transportation, it appears that the position of the State of West Virginia is that any country road taken into the state highway system by the 1933 act of the legislature and subsequent acts to include 1963 or any road labeled by the Department as an "Ancient Turnpike", includes the minerals underlying said road and further that said Rt. 34 may be such a road. However, a final determination cannot be made until all necessary information is presented to it.

Accordingly, it is recommended that a request for determination be made to the West Virginia Department of Transportation by email addressed as follows: brenda.c.ellis@wv.gov cc eric.b.hudnall@wv.gov containing relevant information such as road name and location. The contact person for the Department is Eric B. Hudnall, ph. 304-558-0444.

The identification of the ownership of the minerals, including the oil and gas, underlying said road is subject to the determination made by the West Virginia Department of Transportation.

G. RIGHTS OF WAY

The following rights of way were granted by owners of the surface but could affect oil and gas operations:

1. Right of Way dated August 28, 1926, of record in Deed Book 98 at page 66, made by Samuel Eddy and Mary Eddy, his wife to The Manufacturers Light and Heat Co. corporation, for a right of way for a 6 inch pipeline and to operate, maintain, repair and remove same in Ellsworth District, Tyler County, WV.
2. Right of Way dated October 6, 1952 of record in Deed Book 133 at page 581, made by David Eddy and Estella Eddy, his wife to Monongahela Power Company, an Ohio corporation, for a right of way or easement for construction, reconstruction, operation, maintenance or removal of transmission and distribution system consisting of poles wires, cables, anchors, guys, ground wires, counterpoise and all necessary

RADCLIFF PLLC

Patrick N. Radcliff
Attorney at Law
1211 10th St.
Vienna, WV 26105

patrickradcliff@hotmail.com
304-295-6027

Date: October 17, 2014

Statoil North America, Inc.
2103 City West Boulevard/Suite 800
Houston, TX 77042
Attn: Joshua S. Ozment, Senior Landman
MAR LAN OPR

TYLER
INDEX # 54

RE: Haessly Land and Timber, LLC
75.25 acres, Ellsworth District
Tyler County, WV
Index 54, p/o Tax Map 21 Parcel 53

FINAL TITLE OPINION

Dear Statoil:

I do hereby certify that I have made a personal examination of copies of records contained in the Office of the Clerk of the County Commission of Tyler County, West Virginia, and the Sheriff's Office of Tyler County, West Virginia, which records were delivered to me by your agents, and I have personally examined the indexes to such records maintained by said Clerk's Office and based upon such examination, assuming the accuracy of said copies and subject to the accuracy of the indexes to such records and further subject to the matters set forth herein and to any state of facts not appearing of record, I hereby certify that I have examined the title upon the above-referenced property and report the following state of title:

1. LEASEHOLD ESTATE

A. DESCRIPTION OF SUBJECT LEASES

1. Unrecorded Memorandum of Oil and Gas Lease dated September 26, 2014, by and between Haessly Land and Timber, LLC, Lessor, and Statoil USA Onshore Properties, Inc, a corporation, Lessee, upon a tract said to contain 75.25 acres, situate in Ellsworth District and further described as being Map 21, part of Parcel 53 and further described as property conveyed to the lessor by Deed of record in Deed Book 3378 at page 101A.

Received
Office of Oil & Gas

JAN 16 2015

E. LIENS AND ENCUMBRANCES

1. 2014 Real Property taxes are paid. 2015 Real property taxes are a lien upon the oil and gas although not yet due, ascertainable and payable. The subject lease is subject to said lien which has priority over all other liens or transfers of or upon the oil and gas interest.

F. INTERESTS OF STATE OF WVA IN ROADS AND EASEMENTS

1. According to the county tax maps, there appear to be no county roads or roads which could be identified as turnpikes traversing or bordering the subject tracts.
2. There are no conveyances of record to the State of West Virginia or the County Commission (formerly Court) for roads or other easements from the owners of the oil and gas during the period of this search.
3. Therefore, the State holds no interest in the oil and gas underlying the subject property which would affect the subject lease.

NOTE: However, the tax maps indicate that a road, identified as Route 18 lies close to and southwest of the subject tracts and is accessible by a private right of way. It is believed that this Route 18 was formerly known as the Sistersville to Salem Turnpike.

Upon consultation with legal staff of the West Virginia Department of Transportation, it appears that the position of the State of West Virginia is that any country road taken into the state highway system by the 1933 act of the legislature and subsequent acts to include 1963 or any road labeled by the Department as an "Ancient Turnpike", includes the minerals underlying said road. However, a final determination cannot be made until all necessary information is presented to it.

Accordingly, if Statoil intends to drill under said road, it is recommended that a request for determination be made to the West Virginia Department of Transportation by email addressed as follows: brenda.c.ellis@wv.gov cc containing relevant information such as road name and location. The contact person for the Department is Eric B. Hudnall, ph. 304-558-0444.

The identification of the ownership of the minerals, including the oil and gas, underlying said road is subject to the determination made by the West Virginia Department of Transportation or as ultimately determined by a court of law.

G. RIGHTS OF WAY

The following rights of way were granted by owners of the surface but could affect oil and gas operations:

95 - 0 2 2 3 1

MILLER LAW OFFICES, PLLC

KENNETH R. MILLER
KENNETH ALEXANDER MILLER II*

ATTORNEYS AT LAW
936 EAST PARK AVENUE, SUITE 2
POST OFFICE BOX 2116
FAIRMONT, WEST VIRGINIA 26554

304-366-0822
FAX: 304-366-0825

*Also Admitted in Ohio

millerlawofficeswv@gmail.com
millerlawofficeswv.com

October 17, 2014

Statoil USA Onshore Properties, Inc.
Attn: Joshua S. Ozment, Senior Landman
MAR LAN OPR
2103 City West Blvd, Suite 800
Houston, TX 77042

Tyler
INDEX # 54.1

Re: Title of Sistersville General Hospital, et al.
to 13 1/8 acres oil and gas
waters of Elk Fork, Ellsworth District
Tyler County, West Virginia
Tax Map #21, p/o parcel 53

Dear Mr. Ozment:

Pursuant to your request, I hereby certify I have made a personal examination of the records contained in the office of the Clerk of the County Commission and Sheriff's Office of Tyler County, West Virginia relative to the captioned tract, as of the 24th day of September, 2014. Said records were delivered to me by your agents and are subject to those disclosures and omissions in the indices and documents of record. Additionally, the opinions recited herein are based upon the assumption of the genuineness of the instruments examined, including signatures and notarial certificates.

My examination includes an inquiry into the following matters of record affecting title to this tract, to wit: adverse conveyances, unreleased deeds of trust, judgment liens, executions, lis pendens, mechanics liens, delinquent taxes for the past five years, federal and state tax liens and any liens arising from levies by municipal, county or state governments which appear in the general lien index in said Clerk's office. Real property taxes for the current taxable year have also been subject to inquiry and are reported, subject to the accuracy of the information provided by the aforesaid County Sheriff's Office.

Received
Office of Oil & Gas

JAN 16 2015

05/15/2015

This certificate is subject to the following matters of record which are encumbrances upon the subject tract or defects in title.

(a) There are easements and rights of way of record.

(b) Rights of entry and development by the coal owners.

(c) Conveyances in the chain of title could have resulted in overlaps, discrepancies in acreage or other encroachments upon the subject tract which might affect the use or enjoyment thereof. To the extent possible these matters should be investigated through physical inspection and survey.

(d) The use of this tract by the surface owners is subject to the rights reserved by predecessors in title as to the minerals, subject to certain exceptions contained in the actual documents comprising the chain of title and applicable statutes enacted in this regard.

(e) This certificate is made subject to what would be shown by a complete physical inspection of the premises and an accurate survey and assumes proper access to said property.

All real estate taxes for the previous five years have been examined for delinquencies and the records of the lands sold for delinquent real estate taxes indicate no unredeemed sales of said property.

Subject to the foregoing, I hereby certify that I have examined the title upon the above-referenced property and report the following state of title:

SCHEDULE A

1. The estate or interest in the land described or referred to in this document is: Fee Simple.

State of West Virginia Ownership Under Public Roads

Based on the materials examined in the Clerk's office, the State of West Virginia does not appear to be vested with an interest in the subject oil and gas, executive rights, or royalty under any public roads located within the boundary of the subject tract.

Received
Office of Oil & Gas

JAN 16 2015

2

05/15/2015

MILLER LAW OFFICES, PLLC

KENNETH R. MILLER
 KENNETH ALEXANDER MILLER II*

*Also Admitted in Ohio

ATTORNEYS AT LAW
 936 EAST PARK AVENUE, SUITE 2
 POST OFFICE BOX 2116
 FAIRMONT, WEST VIRGINIA 26554
 millerlawofficeswv@gmail.com
 millerlawofficeswv.com

304-366-0822
 FAX: 304-366-0825

November 14, 2014

Statoil Gulf Services, LLC
 Attn: Joshua S. Ozment, Senior Landman
 MAR LAN OPR
 2103 City West Blvd, Suite 800
 Houston, TX 77042

~~Index # 84~~

Re: Title of James H. Hill Residuary Trust, et al.
 to 144.2625 acres oil and gas
 waters of Elk Fork, Ellsworth District
 Tyler County, West Virginia
 Tax Map #22, parcel 42

Dear Mr. Ozment:

Pursuant to your request, I hereby certify I have made a personal examination of the records contained in the office of the Clerk of the County Commission and Sheriff's Office of Tyler County, West Virginia relative to the captioned tract, as of the 1st day of May, 2014. Said records were delivered to me by your agents and are subject to those disclosures and omissions in the indices and documents of record. Additionally, the opinions recited herein are based upon the assumption of the genuineness of the instruments examined, including signatures and notarial certificates.

My examination includes an inquiry into the following matters of record affecting title to this tract, to wit: adverse conveyances, unreleased deeds of trust, judgment liens, executions, lis pendens, mechanics liens, delinquent taxes for the past five years, federal and state tax liens and any liens arising from levies by municipal, county or state governments which appear in the general lien index in said Clerk's office. Real property taxes for the current taxable year have also been subject to inquiry and are reported, subject to the accuracy of the information provided by the aforesaid County Sheriff's Office.

This certificate is subject to the following matters of record which are encumbrances upon the subject tract or defects in title.

Received
 Office of Oil & Gas

JAN 16 2015

05/15/2015

- (a) There are easements and rights of way of record.
- (b) Rights of entry and development by the coal owners.

(c) Conveyances in the chain of title could have resulted in overlaps, discrepancies in acreage or other encroachments upon the subject tract which might affect the use or enjoyment thereof. To the extent possible these matters should be investigated through physical inspection and survey.

(d) The use of this tract by the surface owners is subject to the rights reserved by predecessors in title as to the minerals, subject to certain exceptions contained in the actual documents comprising the chain of title and applicable statutes enacted in this regard.

(e) This certificate is made subject to what would be shown by a complete physical inspection of the premises and an accurate survey and assumes proper access to said property.

All real estate taxes for the previous five years have been examined for delinquencies and the records of the lands sold for delinquent real estate taxes indicate no unredeemed sales of said property.

Subject to the foregoing, I hereby certify that I have examined the title upon the above-referenced property and report the following state of title:

SCHEDULE A

1. The estate or interest in the land described or referred to in this document is: Fee Simple.

2. Title to the estate or interest is vested as follows:

State of West Virginia Ownership Under Public Roads

Based on the materials examined in the County Clerk's office, the State of West Virginia is not vested with an interest in the subject oil and gas, executive rights, or royalty under any public roads located within the boundary of the subject tract.

(a) SURFACE:

22.22222% (2/9) of the surface overlying the 144.26 acre oil and gas tract is owned by Elsie Lorna McIntyre Hill, Trustee for

Received
Office of Oil & Gas

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE CERTIFICATION**

Date of Notice Certification: 10/21/2014

API No. 47- _____ - _____
Operator's Well No. 3H
Well Pad Name: Blizzard

Notice has been given:

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State: <u>West Virginia</u>	UTM NAD 83 Easting: <u>512802.23 m</u>
County: <u>Tyler</u>	Northing: <u>4372110.68 m</u>
District: <u>Ellsworth</u>	Public Road Access: <u>Gorrells Run Road</u>
Quadrangle: <u>Shirley - Sec. 1</u>	Generally used farm name: <u>Blizzard Farm</u>
Watershed: <u>Gorrell Run - Middle Island Creek</u>	

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following: *PLEASE CHECK ALL THAT APPLY		OOG OFFICE USE ONLY
<input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED		<input checked="" type="checkbox"/> RECEIVED/ NOT REQUIRED
<input type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input checked="" type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED		<input checked="" type="checkbox"/> RECEIVED
<input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or <input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)		<input checked="" type="checkbox"/> RECEIVED/ NOT REQUIRED
<input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION		<input checked="" type="checkbox"/> RECEIVED
<input checked="" type="checkbox"/> 5. PUBLIC NOTICE	Received Office of Oil & Gas JAN 16 2015	<input checked="" type="checkbox"/> RECEIVED
<input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION		<input checked="" type="checkbox"/> RECEIVED

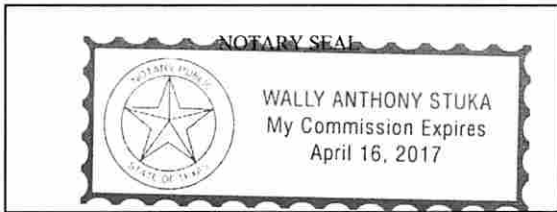
Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

Certification of Notice is hereby given:

THEREFORE, I Bekki Winfree, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, 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 and imprisonment.

Well Operator:	<u>Statoil USA Onshore Properties Inc.</u>	Address:	<u>2103 City West Boulevard, Suite 800</u>
By:	<u>Bekki Winfree/ <i>Bekki Winfree</i></u>		<u>Houston, TX 77042</u>
Its:	<u>Sr. Regulatory Advisor</u>	Facsimile:	<u>713-918-8290</u>
Telephone:	<u>713-485-2640</u>	Email:	<u>BEKW@Statoil.com</u>



Subscribed and sworn before me this 5 day of January 2015
Wally Anthony Stuka Notary Public
 My Commission Expires April 16, 2017

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Received
Office of Oil & Gas
JAN 16 2015

WW-6A
(9-13)

API NO. 47- _____
OPERATOR WELL NO. _____
Well Pad Name: Blizzard 3H

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than the **filing date of permit application.**

Date of Notice: 12/15/2014 **Date Permit Application Filed:** 1/05/2015

Notice of:

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice WSSP Notice E&S Plan Notice Well Plat Notice is hereby provided to:

SURFACE OWNER(s)
 Name: Roger Dale Blizzard
 Address: 3135 Gorrells Run Road
Middlebourne, WV 26149
 Name: Ruth Spencer
 Address: 3085 Gorrells Run Road
Middlebourne, WV 26149

COAL OWNER OR LESSEE
 Name: Roger Dale Blizzard
 Address: 3135 Gorrells Run Road
Middlebourne, WV 26149

COAL OPERATOR
 Name: _____
 Address: _____

SURFACE OWNER(s) (Road and/or Other Disturbance)
 Name: _____
 Address: _____
 Name: _____
 Address: _____

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
 Name: Randy Lancaster
 Address: 3403 Gorrells Run Road
Middlebourne, WV 26149

SURFACE OWNER(s) (Impoundments or Pits)
 Name: _____
 Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD
 Name: _____
 Address: _____

*Please attach additional forms if necessary

Received
Office of Oil & Gas
JAN 16 2015

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV, 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Office of Oil & Gas
JAN 16 2015

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A
(8-13)

API NO. 47- _____ - _____
OPERATOR WELL NO. _____
Well Pad Name: Blizzard 3H

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Received
Office of Oil & Gas
JAN 16 2015

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

05/15/2015

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Received
Office of Oil & Gas
JAN 16 2015

WW-6A
(8-13)

95 - 02231

API NO. 47- _____ - _____
OPERATOR WELL NO. _____
Well Pad Name: Blizzard 3H

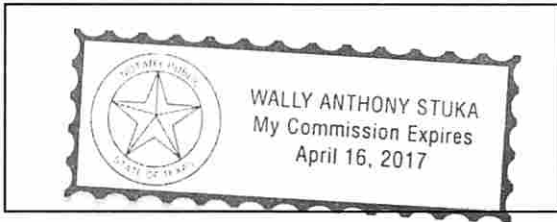
Notice is hereby given by:

Well Operator: Statoil USA Onshore *Wally Stuka*
Telephone: 713-918-8200
Email: BEKW@Statoil.com

Address: 2103 CityWest Blvd., Building 4, Suite 800
Houston, Texas 77042
Facsimile: 913-918-8290

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.



Subscribed and sworn before me this 5 day of January 2015.
Wally Anthony Stuka Notary Public
My Commission Expires April 16, 2017

Received
Office of Oil & Gas
JAN 16 2015

05/15/2015

Blizzard 3H WW-6A

Additional Coal Owner:

Ruth Spencer
3085 Gorrells Run Road
Middlebourne, WV 26149

Additional Surface Owner of Water Well and/or Water Purveyor(s):

Gary Bennett
2908 Gorrells Run Road
Middlebourne, WV 26149

Ruth Spencer
3085 Gorrells Run Road
Middlebourne, WV 26149

Roger Blizzard
3135 Gorrells Run Road
Middlebourne, WV 26149

Christy Kile
3226 Gorrells Run Road
Middlebourne, WV 26149

William Nash
174 Nash Run Road
Middlebourne, WV 26149

Received
Office of Oil & Gas

JAN 16 2015



December 15, 2015

To: Ruth Spencer
3085 Gorrells Run Road
Middlebourne, WV 26149

Re: Permitting Documents Blizzard 3H and Blizzard 4H Wells

Pursuant to West Virginia Code, Statoil USA Onshore Properties Inc. hereby provides you with the following notices and documentation, listed below. The Blizzard well site is located on your property in Tyler County, West Virginia.

Included with this letter you will find:

- West Virginia DEP form WW-6A5 Notice Of Planned Operation
 - o Blizzard 3H
 - o Blizzard 4H
- West Virginia DEP form WW-6A4 Notice Of Intent to Drill
 - o Blizzard 3H
 - o Blizzard 4H
- West Virginia DEP form WW-6A Notice of Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of Statoil's erosion and sediment control plan for the Blizzard well pad
- A copy of Statoil's Blizzard Well Site Safety Plan
- A copy of a proposed Surface Use Agreement
- A copy of the WW6B – Well Work Permit Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of the Blizzard 3H and Blizzard 4H Well Location Plats

Thank you,

Courtney Battle
Landman

Received
Office of Oil & Gas
JAN 16 2015

05/15/2015



December 15, 2015

To: Roger Dale Blizzard
3135 Gorrells Run Road
Middlebourne, WV 26149

Re: Permitting Documents Blizzard 3H and Blizzard 4H Wells

Pursuant to West Virginia Code, Statoil USA Onshore Properties Inc. hereby provides you with the following notices and documentation, listed below. The Blizzard well site is located on your property in Tyler County, West Virginia.

Included with this letter you will find:

- West Virginia DEP form WW-6A5 Notice Of Planned Operation
 - o Blizzard 3H
 - o Blizzard 4H
- West Virginia DEP form WW-6A4 Notice Of Intent to Drill
 - o Blizzard 3H
 - o Blizzard 4H
- West Virginia DEP form WW-6A Notice of Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of Statoil's erosion and sediment control plan for the Blizzard well pad
- A copy of Statoil's Blizzard Well Site Safety Plan
- A copy of a proposed Surface Use Agreement
- A copy of the WW6B – Well Work Permit Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of the Blizzard 3H and Blizzard 4H Well Location Plats

Thank you,

Courtney Battle
Landman

Received
Office of Oil & Gas

JAN 16 2015

05/15/2015



December 15, 2015

To: Randy Lancaster
3403 Gorrells Run Road
Middlebourne, WV 26149

Re: WW6A – Notice of Application – Blizzard 3H & Blizzard 4H

Pursuant to West Virginia Code Section 22-6A-10(b), Statoil USA Onshore Properties Inc. hereby provides you with the following notices and documentation. The Blizzard well site is located on your property in Tyler County, West Virginia.

Included with this letter you will find:

- West Virginia DEP form WW-6A Notice of Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of Statoil's erosion and sediment control plan for the Blizzard well pad
- A copy of Statoil's Blizzard Well Site Safety Plan
- A copy of the Blizzard 3H and Blizzard 4H Well Location Plats

Thank you,

A handwritten signature in blue ink, appearing to read "Courtney Battle".

Courtney Battle
Landman

Received
Office of Oil & Gas

JAN 16 2015

05/15/2015



December 15, 2015

To: Gary Bennett
2908 Gorrells Run Road
Middlebourne, WV 26149

Re: WW6A – Notice of Application – Blizzard 3H & Blizzard 4H

Pursuant to West Virginia Code Section 22-6A-10(b), Statoil USA Onshore Properties Inc. hereby provides you with the following notices and documentation. The Blizzard well site is located on your property in Tyler County, West Virginia.

Included with this letter you will find:

- West Virginia DEP form WW-6A Notice of Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of Statoil's erosion and sediment control plan for the Blizzard well pad
- A copy of Statoil's Blizzard Well Site Safety Plan
- A copy of the Blizzard 3H and Blizzard 4H Well Location Plats

Thank you,

A handwritten signature in blue ink, appearing to read "Courtney Battle".

Courtney Battle
Landman

Received
Office of Oil & Gas
JAN 16 2015

05/15/2015



December 15, 2015

To: Christy Kile
3226 Gorrells Run Road
Middlebourne, WV 26149

Re: WW6A – Notice of Application – Blizzard 3H & Blizzard 4H

Pursuant to West Virginia Code Section 22-6A-10(b), Statoil USA Onshore Properties Inc. hereby provides you with the following notices and documentation. The Blizzard well site is located on your property in Tyler County, West Virginia.

Included with this letter you will find:

- West Virginia DEP form WW-6A Notice of Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of Statoil's erosion and sediment control plan for the Blizzard well pad
- A copy of Statoil's Blizzard Well Site Safety Plan
- A copy of the Blizzard 3H and Blizzard 4H Well Location Plats

Thank you,

A handwritten signature in blue ink, appearing to read "Courtney Battle".

Courtney Battle
Landman

Received
Office of Oil & Gas
JAN 16 2015

05/15/2015



December 15, 2015

To: William Nash
174 Nash Run Road
Middlebourne, WV 26149

Re: WW6A – Notice of Application – Blizzard 3H & Blizzard 4H

Pursuant to West Virginia Code Section 22-6A-10(b), Statoil USA Onshore Properties Inc. hereby provides you with the following notices and documentation. The Blizzard well site is located on your property in Tyler County, West Virginia.

Included with this letter you will find:

- West Virginia DEP form WW-6A Notice of Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of Statoil's erosion and sediment control plan for the Blizzard well pad
- A copy of Statoil's Blizzard Well Site Safety Plan
- A copy of the Blizzard 3H and Blizzard 4H Well Location Plats

Thank you,

A handwritten signature in blue ink, appearing to read "Courtney Battle".

Courtney Battle
Landman

Received
Office of Oil & Gas
JAN 16 2015

05/15/2015

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Notice Time Requirement: Notice shall be provided at least **TEN (10)** days prior to filing a permit application.
Date of Notice: 12/15/2015 **Date Permit Application Filed:** 01/05/2015

Delivery method pursuant to West Virginia Code § 22-6A-16(b)

HAND DELIVERY CERTIFIED MAIL RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Notice is hereby provided to the SURFACE OWNER(s):

Name: Roger Dale Blizzard
Address: 3135 Gorrells Run Road
Middlebourne, WV 26149

Name: Ruth Spencer
Address: 3085 Gorrells Run Road
Middlebourne, WV 26149

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent to enter upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: West Virginia UTM NAD 83 Easting: -512802.23
County: Tyler Northing: -4372110.68
District: Ellsworth Public Road Access: County Road 34
Quadrangle: Shirley - Sec. 1 Generally used farm name: Blizzard Farm
Watershed: Gorrell Run - Middle Island Creek

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: Statoil USA Onshore
Address: 2103 CityWest Blvd. Building 4, Suite 800
Houston, Texas 77042
Telephone: 713-918-8200
Email: BEKW@Statoil.com
Facsimile: 713-918-8290

Authorized Representative: Bekki Winfree
Address: 2103 CityWest Blvd. Building 4, Suite 800
Houston, TX 77042
Telephone: 713-918-8200
Email: BEKW@Statoil.com
Facsimile: 713-918-8290

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Office of Oil & Gas

JAN 16 2015

05/15/2015



December 15, 2015

To: Roger Dale Blizzard
3135 Gorrells Run Road
Middlebourne, WV 26149

Re: Permitting Documents Blizzard 3H and Blizzard 4H Wells

Pursuant to West Virginia Code, Statoil USA Onshore Properties Inc. hereby provides you with the following notices and documentation, listed below. The Blizzard well site is located on your property in Tyler County, West Virginia.

Included with this letter you will find:

- West Virginia DEP form WW-6A5 Notice Of Planned Operation
 - o Blizzard 3H
 - o Blizzard 4H
- West Virginia DEP form WW-6A4 Notice Of Intent to Drill
 - o Blizzard 3H
 - o Blizzard 4H
- West Virginia DEP form WW-6A Notice of Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of Statoil's erosion and sediment control plan for the Blizzard well pad
- A copy of Statoil's Blizzard Well Site Safety Plan
- A copy of a proposed Surface Use Agreement
- A copy of the WW6B – Well Work Permit Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of the Blizzard 3H and Blizzard 4H Well Location Plats

Thank you,

A handwritten signature in blue ink, appearing to read "Courtney Battle".

Courtney Battle
Landman

Received
Office of Oil & Gas
JAN 16 2015

05/15/2015



December 15, 2015

To: Ruth Spencer
3085 Gorrells Run Road
Middlebourne, WV 26149


Re: Permitting Documents Blizzard 3H and Blizzard 4H Wells

Pursuant to West Virginia Code, Statoil USA Onshore Properties Inc. hereby provides you with the following notices and documentation, listed below. The Blizzard well site is located on your property in Tyler County, West Virginia.

Included with this letter you will find:

- West Virginia DEP form WW-6A5 Notice Of Planned Operation
 - o Blizzard 3H
 - o Blizzard 4H
- West Virginia DEP form WW-6A4 Notice Of Intent to Drill
 - o Blizzard 3H
 - o Blizzard 4H
- West Virginia DEP form WW-6A Notice of Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of Statoil's erosion and sediment control plan for the Blizzard well pad
- A copy of Statoil's Blizzard Well Site Safety Plan
- A copy of a proposed Surface Use Agreement
- A copy of the WW6B – Well Work Permit Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of the Blizzard 3H and Blizzard 4H Well Location Plats

Thank you,


Courtney Battle
Landman

Received
Office of Oil & Gas

JAN 16 2015

05/15/2015

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the **filing date of permit application.**

Date of Notice: 12/15/2014 **Date Permit Application Filed:** 01/05/2015

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

- CERTIFIED MAIL HAND
- RETURN RECEIPT REQUESTED DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)
(at the address listed in the records of the sheriff at the time of notice):

Name: Roger Dale Blizzard
Address: 3135 Gorrells Run Road
Middlebourne, WV 26149

Name: Ruth E. Spencer
Address: 3085 Gorrells Run Road
Middlebourne, WV 26149

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: <u>West Virginia</u>	UTM NAD 83 Easting: <u>-512802.23</u>
County: <u>Tyler</u>	Northing: <u>-4372110.68</u>
District: <u>Ellsworth</u>	Public Road Access: <u>County Road 34</u>
Quadrangle: <u>Shirley - Sec. 1</u>	Generally used farm name: <u>Blizzard Farm</u>
Watershed: <u>Gorrell Run - Middle Island Creek</u>	

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by **W. Va. Code § 22-6A-10(b)** to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Operator: Statoil USA Onshore
Telephone: 713-918-8200
Email: BEKW@Statoil.com

Address: 2103 CityWest Blvd. Building 4, Suite 800
Houston, Texas 77042
Facsimile: 713-918-8290

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Received
Office of Oil & Gas
JAN 16 2015



December 15, 2015

To: Roger Dale Blizzard
3135 Gorrells Run Road
Middlebourne, WV 26149

Re: Permitting Documents Blizzard 3H and Blizzard 4H Wells

Pursuant to West Virginia Code, Statoil USA Onshore Properties Inc. hereby provides you with the following notices and documentation, listed below. The Blizzard well site is located on your property in Tyler County, West Virginia.

Included with this letter you will find:

- West Virginia DEP form WW-6A5 Notice Of Planned Operation
 - o Blizzard 3H
 - o Blizzard 4H
- West Virginia DEP form WW-6A4 Notice Of Intent to Drill
 - o Blizzard 3H
 - o Blizzard 4H
- West Virginia DEP form WW-6A Notice of Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of Statoil's erosion and sediment control plan for the Blizzard well pad
- A copy of Statoil's Blizzard Well Site Safety Plan
- A copy of a proposed Surface Use Agreement
- A copy of the WW6B – Well Work Permit Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of the Blizzard 3H and Blizzard 4H Well Location Plats

Thank you,

A handwritten signature in blue ink, appearing to read "Courtney Battle".

Courtney Battle
Landman

Received
Office of Oil & Gas

JAN 16 2015

05/15/2015



December 15, 2015

To: Ruth Spencer
3085 Gorrells Run Road
Middlebourne, WV 26149

Re: Permitting Documents Blizzard 3H and Blizzard 4H Wells

Pursuant to West Virginia Code, Statoil USA Onshore Properties Inc. hereby provides you with the following notices and documentation, listed below. The Blizzard well site is located on your property in Tyler County, West Virginia.

Included with this letter you will find:

- West Virginia DEP form WW-6A5 Notice Of Planned Operation
 - o Blizzard 3H
 - o Blizzard 4H
- West Virginia DEP form WW-6A4 Notice Of Intent to Drill
 - o Blizzard 3H
 - o Blizzard 4H
- West Virginia DEP form WW-6A Notice of Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of Statoil's erosion and sediment control plan for the Blizzard well pad
- A copy of Statoil's Blizzard Well Site Safety Plan
- A copy of a proposed Surface Use Agreement
- A copy of the WW6B – Well Work Permit Application
 - o Blizzard 3H
 - o Blizzard 4H
- A copy of the Blizzard 3H and Blizzard 4H Well Location Plats

Thank you,

Courtney Battle
Landman

Received
Office of Oil & Gas
JAN 16 2015

05/15/2015



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110
 Charleston, West Virginia 25305-0430 • (304) 558-3505

Earl Ray Tomblin
 Governor

Paul A. Mattox, Jr., P. E.
 Secretary of Transportation/
 Commissioner of Highways

October 30, 2014

James A. Martin, Chief
 Office of Oil and Gas
 Department of Environmental Protection
 601 57th Street, SE
 Charleston, WV 25304

Subject: DOH Permit for the Blizzard Pad Tyler County
 Blizzard 3H

Dear Mr. Martin,

The West Virginia Division of Highways has issued Permit # 06 -2014-0557 for the subject site to Statoil USA Onshore Properties Inc. for access to the State Road for the well site located off of Tyler County Route 34 SLS.

The operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated January 3, 2012.

Very Truly Yours,

Received
 Office of Oil & Gas
 JAN 16 2015

Gary K. Clayton
 Regional Maintenance Engineer
 Central Office Oil & Gas Coordinator

Cc: Jarad Guynes
 Statoil USA Onshore Properties Inc.
 CH, OM, D-6
 File

**OIL AND GAS ROAD
STATEWIDE BONDING AGREEMENT**

THIS AGREEMENT, executed in duplicate, made and entered into this 3rd day of January, 2013, by and between the WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, hereinafter called "DEPARTMENT," and STATOIL USA ONSHORE PROPERTIES INC., a Delaware Corporation, hereinafter called "COMPANY."

WITNESSETH:

WHEREAS, Company has horizontal gas well drilling operations in certain areas of West Virginia; and

WHEREAS, the Department believes that the frequent and repetitive use of certain sections of highways in the State by Company, its contractors, agents, independent contractors or suppliers of drilling materials or drilling equipment, and employees contributes to increased wear and tear to public roads in the state road system in the State, including local roads ("State Owned Roads"); and,

WHEREAS, the Department and Company have entered into this Agreement to satisfy the requirements of the Department's policy entitled "Oil & Gas Road Policy" dated January 3, 2012, as issued by Paul A. Mattox, Jr., Secretary of Transportation / Commissioner of Highways, and any subsequent related policies, hereinafter called "Policy", a copy of which is made a part of this Bonding Agreement and is identified as Attachment 1.

NOW, THEREFORE, for and in consideration of the mutual agreements hereinafter set forth, the parties agree as follows:

I. For purposes of this Bonding Agreement, "Project Transportation Usage" of the Company shall be understood to mean use of one or more State Owned Roads for the delivery and removal of drilling materials and drilling equipment at the site or location of one or more of Company's horizontal gas well pad locations. To the extent reasonably practical, prior to commencing use of a State Owned Road for Project Transportation Usage after January 1, 2011, the Company shall submit to the Department a section or sections of current official WVDOH County Highway maps identifying the exact location of the proposed project and the State Owned Roads that the Company will utilize for the Project Transportation Usage.

II. Company and Department shall within 14 days of the Company's submittal, agree to a list of these sections of State Owned Roads, hereinafter called "Project Roads List", to be utilized for each of Company's projects, identified by route number and milepost; at a time to be mutually agreed to by the parties prior to initial commencement of Project Transportation Usage of a particular State Owned Road on a Project Roads List, the Company and Department will jointly review the condition of the roads and bridges on the Project Roads List. The Department will document the road type and surface condition and general right-of-way width of each section of road on the Project Road List. Either party may supplement this documentation with photographs, video or other evidence of the present condition of the road surface, shoulders, ditches, culverts, bridges or other structures or appurtenances of roads on the Project Road List, as well as approaches to the roads, utility facilities located within or along the right-of-way, or any other condition, including third-party activities, that may affect the duties and responsibilities of the parties under this Agreement. A copy of any such documentation must be made and provided to the other party within ten business days after the joint review of the roads on the Project Roads List.

III. Department shall issue a Project Agreement or Project Permit, as appropriate, to Company to use State Owned Roads and may include any minor or major improvements required of Company prior to, during or after Project with the assignment of responsibilities of both parties prior to, during and after the operator has completed well fracturing.

Received
Office of Oil & Gas

05/15/2015

IV. In the Project Agreement/Project Permit, the Department shall not require the use of State Owned Roads other than the roads proposed by Company unless the Department has safety concerns as to the Company's proposed roads. A failure to agree on roads that may otherwise be lawfully used for a particular Project Transportation Usage shall result in the designation of the State Owned Roads proposed by Company, with milepost determinations as designated by Department. This Agreement shall only cover portions of State Owned Roads designated on the Project Roads List.

V. For the duration of Company's Project Transportation Usage of the Stated Owned Roads on the Project Roads List, whether by the Company, its contractors (while working on behalf of Company), agents, independent contractors or suppliers of drilling materials or drilling equipment, or employees, the Company agrees to pay for all reasonable maintenance and repair costs incurred by the Department to repair areas of the State Owned Roads included in the Project Roads List that were directly damaged by Company's Project Transportation Usage, as determined to be reasonably necessary and appropriate by the Department. The Department shall keep a record of all labor performed by Department employees and contractors for such maintenance and repairs and shall send an invoice for the same to Company.

VI. Company shall be responsible for the cost of all maintenance and repairs reasonably necessary to put the existing roadways, bridges and appurtenances on the Project Roads List utilized for the Project Transportation Usage in the condition that existed immediately prior to the Project Transportation Usage. Company shall not be required to pay for maintenance or repairs to put any areas of such roadways, bridges and appurtenances on the Project Roads List in a condition better than the condition that existed immediately prior to the Project Transportation Usage. Company shall also not be required to pay for maintenance or repairs to any areas of these roadways, bridges or appurtenances on the Project Roads List that are not actually utilized for the Project Transportation Usage or for damage not caused by Project Transportation Usage.

VII. Company shall notify the Department in writing of Company's final completion of Project Transportation Usage for particular roadways, bridges and appurtenances on the Project Roads List. Within fourteen days after its receipt of written notification of the completion of the Project Transportation Usage for all roads on a Project Roads List, the Department will review the condition of the roadways, bridges and appurtenances on the Project Roads List actually utilized for the Project Transportation Usage and advise Company of any final repairs reasonably necessary to leave these roads, bridges and appurtenances in a condition reasonably deemed by Department to be equal to their condition prior to commencement of Project Transportation Usage; and, upon completion of all such final repairs by or on behalf of Company and acceptance by Department, the Company shall be released from all further liability for maintenance or repairs to roads, bridges, or appurtenances on said Project Roads List. Any maintenance or repair work under the Project Agreement/Project Permit for roads, bridges or appurtenances on the Project Roads List may be performed by a contractor directly chosen by the Company as approved by the Department, the Department's workforce, or a private contractor hired by the Department through the public bid process in accordance with state law, all of which work shall be subject to the standards and specifications of the Department.

VIII. In order to ensure performance of Company's performance and payment obligations under this Bonding Agreement, the Company shall post a corporate surety bond, hereinafter called "Master Bond", with the Department named as the beneficiary, which form of bond shall be subject to the consent of the Department, not to be unreasonably withheld. The amount and form of the bond shall be in accordance with the Policy as set forth above. However, the amount of the Master Bond does not limit the amount of claims that may be made by the Department against the Company under this Bonding Agreement. The Company shall provide the Master Bond to the Department within one (1) month after the execution of this Bonding Agreement. The Master Bond shall secure the good faith performance of all payment obligations of Company under the terms of this Bonding Agreement respecting the roads, bridges and appurtenances on the Project Roads List for each Project Transportation Usage undertaken by the Company, and shall remain in effect until termination of this Agreement. Company shall not be obligated to provide any other bonds, sureties, or other guarantees of performance to the Department for Company's use of State Owned Roads, except as required in this Agreement.

Received
Office of Oil & Gas

JAN 16 2015

05/15/2015

IX. Company shall maintain Commercial General Liability Insurance in the amount of two million dollars, with a minimum coverage of one million dollars per occurrence, for personal injury or death to persons, or for property damage, resulting from Company's Project Transportation Usage and shall present evidence of such insurance to Department upon request.

X. Company's usage of State Owned Roads under the Project Agreement/Project Permit shall comply with all applicable Federal, State and local laws and regulations including, but not limited to, to the extent applicable, the National Environmental Policy Act, Section 404 of the Clean Water Act, Section 106 of the National Historic Preservation Act, Rare, Threatened and Endangered Species Act, Section 401 Water Quality Certification, and hazardous waste requirements. Further, upon reasonable written request of Department, Company shall furnish Department with acceptable documentation of such compliance which is in the possession of the Company.

XI. Company shall defend, indemnify and hold Department harmless from and against any and all losses, damage, and liability, and from all claims for damages on account of or by reason of bodily injury, including death, which may be sustained, or claimed to be sustained, by any person or persons, including employees of Department, and from and against any and all claims, losses or liabilities for damages to property, arising out of the negligent or willful acts or omissions of Company, its agents, independent contractors and suppliers of drilling materials or drilling equipment, employees and contractors, in the performance of all Project Transportation Usage activities undertaken pursuant to this Agreement (collectively, "claims"). The Company shall not be responsible to indemnify, defend or hold harmless Department for any claims caused by the negligent or willful acts or omissions of the Department or its agents, employees and contractors or third parties not performing work at the direction of Company or delivering drilling equipment or drilling materials, including water, for use by or for company.

XII. If a provision of this Agreement is or becomes illegal, invalid or unenforceable in any jurisdiction, that shall not affect the validity or enforceability of any other provision of this Agreement; or the validity or enforceability in other jurisdictions of that or any other provision of this Agreement.

XIII. Department shall give Company a minimum of thirty days written notice of default under the terms of this Bonding Agreement and the opportunity to cure this default during such thirty-day period. If a default is not cured to the satisfaction of Department, or provision acceptable to Department is not made for a cure, Department may then elect to terminate this Bonding Agreement in whole or in part, and may in addition exercise its rights under the Master Bond or seek any other lawful relief available. Company may terminate this Bonding Agreement upon thirty days written notice to Department for any reason. In the event Company terminates this Agreement for any reason, it shall be liable for the repair and maintenance costs set forth above for prior Project Transportation Usage.

XIV. Nothing herein shall be construed to mean that Company shall have any jurisdiction or control over any public roads in the state road system.

XV. Company, its contractors, agents, employees and suppliers shall at all times be subject to applicable provisions of state and federal law, including without limitation laws requiring operation of vehicles in accordance with legal size and weight restrictions and posted weight limits. Oversize/overweight permits for vehicle or loads not otherwise conforming with law must be obtained in accordance with law; Department agrees to work in good faith with Company to review and grant (where authorized by law) such permits in a timely manner upon request by Company.

XVI. This Bonding Agreement shall be construed and enforced in accordance with the laws of the State of West Virginia, as they may be amended.

XVII. This Bonding Agreement shall be binding upon the successors and assigns of each party hereto.

05/15/2015

IN WITNESS WHEREOF, the parties hereto have caused this Bonding Agreement to

Received
Office of Oil & Gas
JAN 16 2015

be executed by their duly authorized officers effective as of the date first above written.

**WEST VIRGINIA DEPARTMENT OF
TRANSPORTATION,
DIVISION OF HIGHWAYS**

Marty Scates
Witness

By: Samuel W. [Signature]
acting State Highway Engineer

Carl [Signature]
Witness

By: Arthur R. Boehm, Jr
Arthur R. Boehm, Jr

Title: Authorized Person

(To be executed in duplicate)

Received
Office of Oil & Gas
JAN 16 2015

APPROVED AS TO FORM THIS
DAY OF Dec 20 12

[Signature]
ATTORNEY LEGAL DIVISION
WEST VIRGINIA DIVISION
HIGHWAYS

05/15/2015

Frac Additives

BIO CLEAR 2000

Components	CAS#
Polyethylene Glycol	25322-68-3
2,2-dibromo-3-nitrilopropionamide	10222-01-2

BUFFER

Sulfamic Acid	5329-14-6
---------------	-----------

ACID

Hydrochloric Acid	7647-01-0
-------------------	-----------

BREAKER

Sucrose	57-50-1
Ethylene Glycol	107-21-1

INHIBITOR

Ethoxylated Nonylphenol	68412-54-4
Dimethylcocoamine	68607-28-3
Ethylene Glycol	107-21-1
Glycol Ethers	111-76-2
Methanol	67-56-1
Propargyl Alcohol	107-19-7

SCALE INHIBITOR

Ethylene Glycol	107-21-1
-----------------	----------

Received
Office of Oil & Gas
JAN 16 2015

05/15/2015

FRICTION REDUCER

Sodium Chloride	7647-14-5
Ammonium Chloride	12125-02-9
Petroleum Distillates	64742-47-8
Alcohols, C12-16, Ethoxylated	68551-12-2

SAND

Crystalline Silica (quartz)	14808-60-7
Aluminum Oxide	1344-28-1
Iron Oxide	1309-37-1
Titanium Oxide	13463-67-7

GEL

Gelling Agent & Hydrocarbons	64742-96-7
------------------------------	------------

Received
Office of Oil & Gas
JAN 16 2015

