



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

August 27, 2015

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-9502298, 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: PYLES 5H
Farm Name: PYLES, RICHARD D. & CATHY J.

API Well Number: 47-9502298

Permit Type: Horizontal 6A Well

Date Issued: 08/27/2015

Promoting a healthy environment.

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 one hundred (100) 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.



4709502298

July 24, 2015

West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 23504-2345

Attention: Ms. Laura Adkins

Reference: Pyles 5H - Permit Application
Tyler County, WV

Ms. Adkins:

Statoil USA Onshore Properties Inc. (Statoil) herein submits an application to drill, hydraulically fracture, complete and produce the Pyles 5H from the previously approved Pyles pad in Tyler, County. In support of this application enclosed please find the following:

- Required documentation for a Horizontal 6A Well Permit Application as outlined on the 'Horizontal 6A Well Permit Application Checklist'
- Check No. 2000483298 in the amount of \$5,150.00
- CD containing a copy of the MSDS, E&S Plan Approval and the Site Safety Plan

If you have any questions or require additional information, please contact the undersigned at 713-485-2640 or at BEKW@statoil.com.

Sincerely,

Bekki Winfree
Sr. Regulatory Advisor – Marcellus

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

1) Well Operator: Statoil USA Onshore Prop 494505083 Tyler Ellsworth Porters Falls-Sec
Operator ID County District Quadrangle

2) Operator's Well Number: Pyles 5H Well Pad Name: Pyles

3) Farm Name/Surface Owner: Pyles Farm/Richard D & Cathy J Pyles Public Road Access: County Road 34/3

4) Elevation, current ground: 1127' Elevation, proposed post-construction: 1084'

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 Expected Pressure(s):
Marcellus, Formation Top 6590', 51' thick, 4340 psi

8) Proposed Total Vertical Depth: 6663'

9) Formation at Total Vertical Depth: Marcellus Shale

10) Proposed Total Measured Depth: 16,194'

11) Proposed Horizontal Leg Length: 9371'

12) Approximate Fresh Water Strata Depths: 270' TVD

13) Method to Determine Fresh Water Depths: 1980 study "Freshwater & Saline Groundwater of WV" by James Foster

14) Approximate Saltwater Depths: 540' TVD

15) Approximate Coal Seam Depths: 295', 300'

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

Michael Hoff
7/13/15

(a) If Yes, provide Mine Info: Name: _____

Depth: _____

Seam: _____

Owner: _____

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WW-6B
(04/15)

API NO. 47- _____
 OPERATOR WELL NO. Pyles 5H
 Well Pad Name: Pyles

18) CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	H-40	94#	100'	100'	cmt to surface-150 cuft
Fresh Water	13.375"	New	J-55	54.4#	330'	330'	cmt to surface-302 cuft
Coal							
Intermediate	9.625"	New	J-55	36#	2317'	2317'	cmt to surface-937 cuft
Production	5.5"	New	P-110	20#	16194'	16194'	Cmt to 1317'-3786 cuft
Tubing	2.375"	New	L-80	4.7#			
Liners							

MAG
7/13/15

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TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	26"	.438	1530 psi		Class A	1.3 cuft/sk
Fresh Water	13.375"	17.5"	.380	2730 psi	207psi	Class A	2.31 cuft/sk
Coal							
Intermediate	9.625"	12.25"	.352	3520 psi	1768 psi	Class A	2.31 cuft/sk
Production	5.5"	8.5"	.361	12640 psi	9800 psi	Class A	1.29 cuft/sk
Tubing	2.375"	5.5"	.19	11200 psi	3625 psi		
Liners							

PACKERS

Kind:	HES Versa-Set Retrievable Packr			
Sizes:	2.375" x 5.5"			
Depths Set:	6000'			

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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 be hydraulically fracture stimulated via the plug-n-perf method with +/- 25 stages per well. Each fracturing treatment will utilize approximately 440,000 lbs of sand and 7,500 bbls of fresh water. The fracturing rate will range between 80 and 100 bpm at a maximum pressure of 9800 psi

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 20.3 acres

22) Area to be disturbed for well pad only, less access road (acres): 2.6 acres drilling/1.15 acres facilities

23) Describe centralizer placement for each casing string:

See Attached

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

See Attached

25) Proposed borehole conditioning procedures:

See Attached

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*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 330' 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 1/2" intermediate hole section will be drilled with 5% KCL Polymer (WBM) and a conventional mud motor to approximately 2317' 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 hole section will be to planned kick-off point using Synthetic Based Mud (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 16,194' MD/6663' 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.

25) Proposed borehole conditioning procedures

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

Intermediate – Drilled with air/mist and to TD and filled with 5% KCL Polymer Water Based Mud (WBM) at section total depth. At section total depth, pump 40bbl viscous pill and circulate hole clean.

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WW-6B – Pyles 5H

Production - Drilled with 12.0-12.5 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.

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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% 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.

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Marcellus - Drilling Well Schematic

Well Name: PYLES 5H
 Field Name: Marcellus
 County: Tyler Co., WV
 API #: 0

BHL: X = 1689451.7
 SHL: X = 1686261.6
 GLE (R): 1,084
 DF (R): 22
 Y = 14335845.8
 Y = 14345274.3

TVD (R): 6,663
 TMD (R): 16,194
 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	1,006	-	-	-	-	100		20" Conductor
Washington Coal		295					8.6			17-1/2" Surface
Washington A Coal		300								
Approximate Fresh Water Strata ~270'										
Casing Point	330	330	776	65	-	-	8.6	330		
Top Salt Water		540					NA			12-1/4" Intermediate
Big Injun		2,116					9.1			
Base of Big Injun		2,217								
Casing Point	2,317	2,317	-1,211	82	-	>18.0		2,317		
Weir		2,401					SBM			
Berea		2,569					Air/Mist			
Gordon		2,791					Air/Mist			
Warren		3,513					Air/Mist			
Java		4,934					Air/Mist			
Benson		4,983					Air/Mist			
Undiff. Shales		5,025					Air/Mist			
KOP	6,052	6,043					12.0			
Sonyea		6,112					11.0			
Middlesex		6,424					12.0			
West River		6,451					12.0			
Genesee		6,521					12.0			
Tully		6,544					12.0			
Marcellus		6,590					12.0			
Landing point	6,949	6,616					12.0			
Cherry Valley		6,622					12.0			
Onondaga		6,641					12.0			

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Profile: Vertical
Bit Type: 17-1/2" PDC
BHA: Conventional Motor
Mud: 8.6 ppg Fresh Water
Surveys: n/a
Logging: n/a
Casing: 13.375 54.5 J-55 BTC at 330' MD/330' TVD
 1 centralizer w/ stop collar 10 ft above float shoe. One Single Bow every joint to 100ft below surface.
Centralizers:
Cement: 15.8 ppg Tail slurry w/ TOC @ Surface
Potential Drilling Problems: Stuck Pipe, Floating, Collision,

FIT/LOT: 14.0 ppg EMW
Profile: Vertical
Bit Type: 12-1/4" Hughes VG-35ADX1 (IADC:547)
 0
BHA: Bin 7-8 Lobe 2.0 Stg 1.5 ABH (0.10 rpg/375 Diff)
 0
Mud: - Air + 5%KCL
Surveys: Gyro SS, MWD - EM Pulse
Logging: n/a
Casing/Liner: 9.625 36 J-55 BTC at 2317' MD/2317' 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.
Centralizers:
Cement: 15.8 ppg Tail slurry w/ TOC @ Surface
Potential Drilling Problems: Hole Cleaning, Poor ROF, Buckling,

FIT/LOT: 15.8 ppg EMW
Profile:
Bit Type: 8-1/2" Hughes VG-30ADX (IADC: 547) - Vert
 8-1/2" SMITH SDI516 - C&L
BHA: 6.75in 7-8 lobe 2.9 stg 1.5 ABH (0.17 rpg 560 DIFF) - Vert
 6.75in 4/5 lobe 7.0 stg 1.95 FBH (0.5 rpg, 1000 DIFF) - C&L
Mud: - Air + 5%KCL
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 16194 ft MD/6663 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.
Centralizers:
Cement: 15 ppg Tail slurry w/ TOC @ 1317' MD

Potential Drilling Problems: Bit Preservation, Hole Cleaning...
Notes / Comments:

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TMD: 16,194
TVD: 6,663
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Last Revision Date: 7/1/2015
Revised by: Ryan Cardenas

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

Cement Outside Casing

WW-9
(2/15)

API Number 47 - _____ - _____
Operator's Well No. Pyles 5H

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 4709502298 Poles Falls Sec. 7

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 34-121-23195)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

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AUG 25

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

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air, freshwater **WV Department of Environmental Protection**

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

Additives to be used in drilling medium? emulsifier, barite, surfactant, calcium carbonate, gilsonite, 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

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

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.

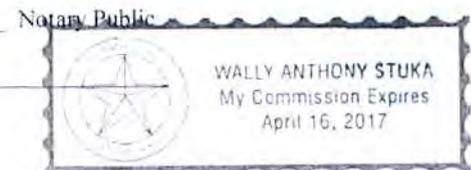
Company Official Signature Bekki Winfree

Company Official (Typed Name) Bekki Winfree

Company Official Title Sr. Regulatory Advisor

Subscribed and sworn before me this 24 day of August, 2015

Wally Anthony Stuka



My commission expires April 16, 2017

Statoil USA Onshore Properties Inc.

Proposed Revegetation Treatment: Acres Disturbed 13.2

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)

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Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Michael Daff

Comments: Preseed & Mulch any disturbed areas per WV DEP regulations. Maintain & upgrade E-11-S as necessary

Title: Oil & Gas Inspector

Date: 7/13/15

Field Reviewed? () Yes () No

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Pyles Pad 5H – Site Safety Plan

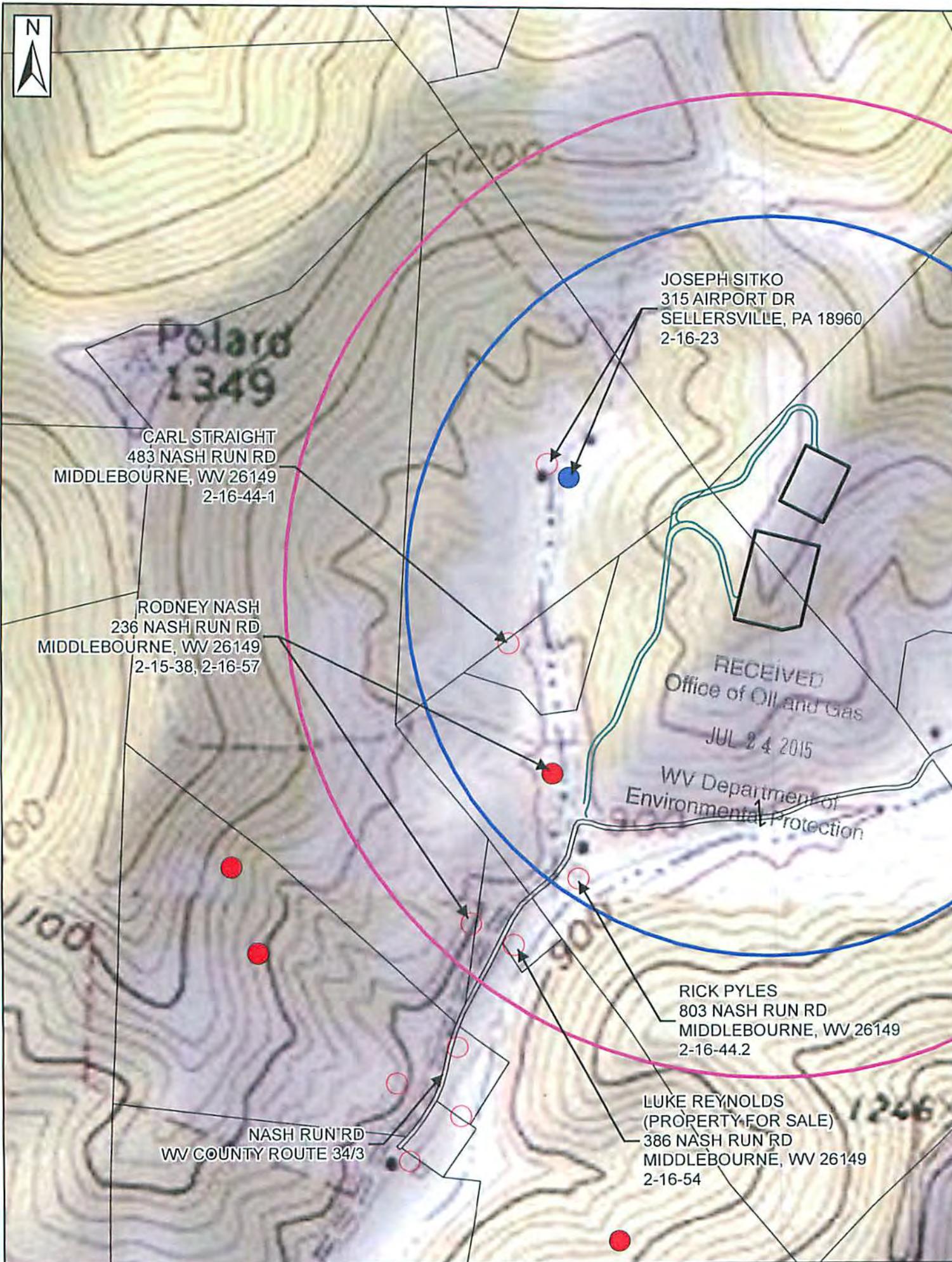
Statoil USA Onshore Properties, Inc.

Michael Doff
7/10

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Legend

- 1500' Water Well Radius
- 2000' Water Well Radius
- Pyles Pads
- Pyles Access Roads
- Parcel Lines
- Located Water Wells
- Located Water Springs
- Located Ponds



Larson Design Group

Date 8/20/2014

Designer RTC

Project No. 8790-003-5

Scale 1 inch = 500 feet

RICK PYLES
803 NASH RUN RD
MIDDLEBOURNE, WV 26149
2-16-42-1

CHARLES PYLES
1098 NASH RUN RD
MIDDLEBOURNE, WV 26149
2-16-42

RICK PYLES/ DUSTIN HENDERSHOT
959 NASH RUN RD
MIDDLEBOURNE, WV 26149
5-2B-57

Pyles Water Well Map

Ellsworth District, Tyler County, WV



FORM WVA-6

1157

LATITUDE: 39° 32' 30"

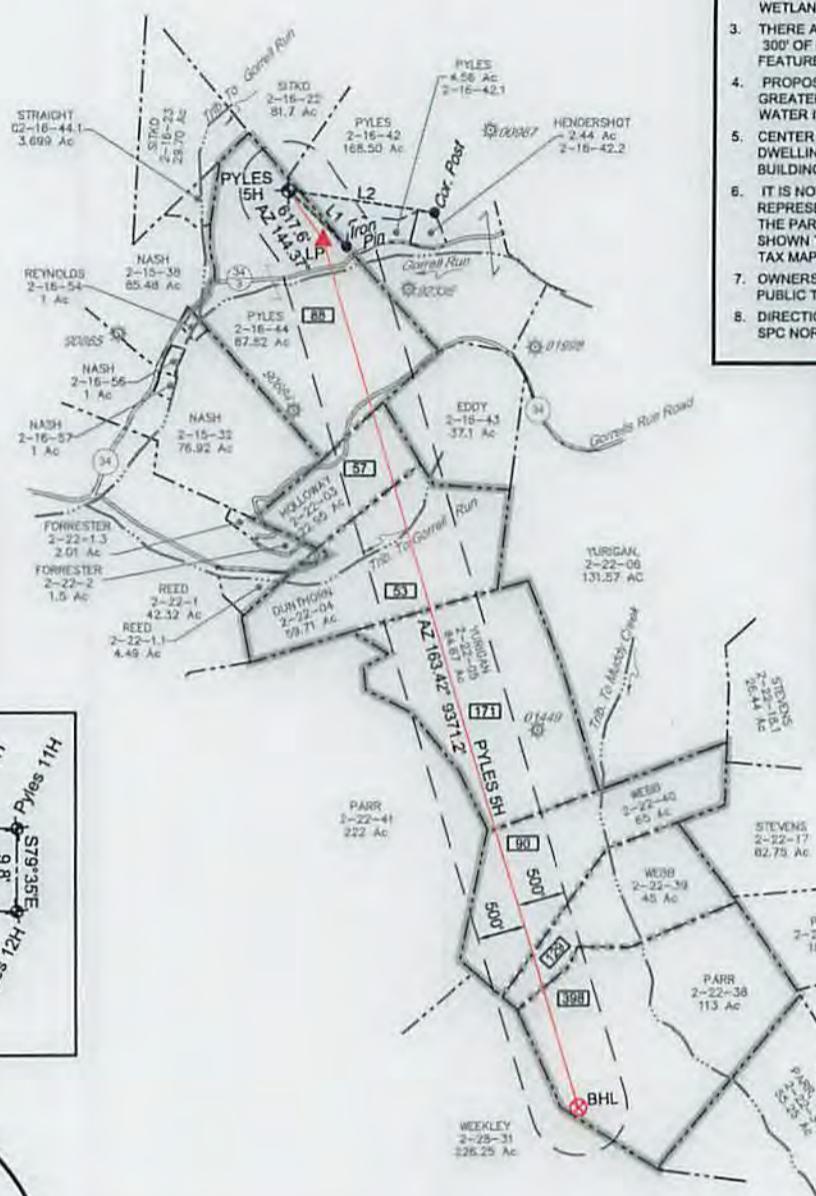
LONGITUDE: 80° 50' 00"

SURFACE HOLE LOCATION
 UTM 17 - NAD 83(m)
 N - 4372666.16
 E - 513988.02
 WV SPC NORTH NAD83
 N - 368313.07
 E - 1591173.87

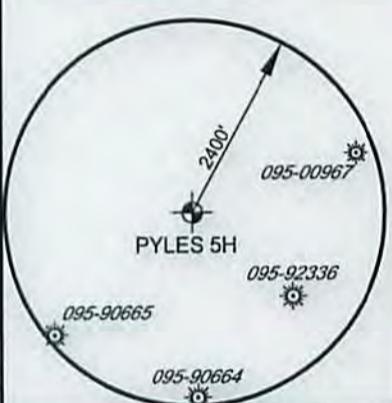
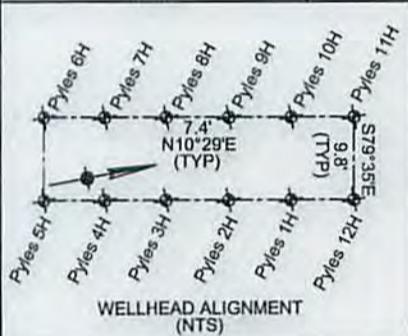
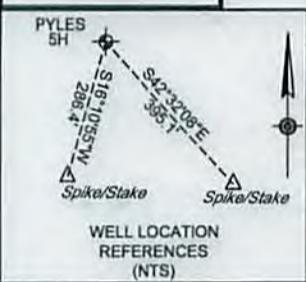
LANDING POINT LOCATION
 UTM 17 - NAD 83(m)
 N - 4372515.07
 E - 514100.17
 WV SPC NORTH NAD83
 N - 367811.12
 E - 1591533.62

BOTTOM HOLE LOCATION
 UTM 17 - NAD 83(m)
 N - 4369792.35
 E - 514960.36
 WV SPC NORTH NAD83
 N - 358829.42
 E - 1594207.17

- 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 825 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. DIRECTIONS SHOWN ARE BASED ON WEST VIRGINIA SPC NORTH, NAD 83 DATUM



- LEGEND**
- OUTER LEASE BOUNDARY.
 - INTERIOR LEASE BOUNDARY
 - SURFACE TRACT LINES
 - WELL REFERENCE LINES
 - 34 11 - COUNTY ROADS
 - PUBLIC ROADS
 - BLUE-LINE STREAMS
 - 7 - MINERAL OWNER
 - ☉ - PROPOSED WELL
 - ☼ - EXISTING WELL
 - ▲ - LANDING POINT
 - ⊗ - BOTTOM HOLE



Pyles 5H Mineral Ownership

88	- Richard D. & Cathy J. Pyles, et al
57	- Daniel Clair Asher, et al.
53	- Ridgeway Capital, LP, et al.
171	- OXY USA, LLC, et al.
90	- Ronald P. Webb
129	- Carol J. Knapp, et al.
398	- Wilma L. Parr and Raymond Parr

PROPERTY TIES
 L1 - S47°04'28"E 827.4'
 L2 - S81°45'15"E 1533.4'

FILE NO. 8790-003-5
 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



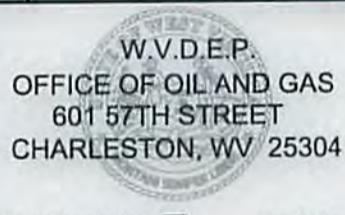
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

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 RICHARD D. & CATHY J. PYLES
 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



DATE 8-24-2015
 OPERATORS WELL NO. PYLES 5H
 API WELL NO. _____
47 **095** **02298 H6A**
 STATE COUNTY PERMIT

ESTIMATED DEPTH: 6663
DESIGNATED AGENT: RICHARD PYLES
ADDRESS: 803 NASH ROAD
MIDDLEBOURNE, WV 26149

P:\8790\8790-003-5 PYLES (WV-51) DATA SURVEYS\SURVEYS\FINAL WELL PLAT.DWG

COUNTY NAME PERMIT

**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 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

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JUL 24 2015

WV Department of
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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.

Well Operator: Statoil USA Onshore Properties Inc.
 By: Bekki Winfree *Bekki Winfree*
 Its: Sr. Regulatory Advisor

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

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AUG 25 2015

WV Department of
Environmental Protection

Pyles 5H

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

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TRACT #88

Lease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
000115010-029	Richard D. & Cathy J. Pyles, Husband and wife	PetroEdge Energy, LLC	At least 1/8	411/508
000115010-011	Charles William Henderson, Jr. and Sandra R. Henderson, husband and wife	PetroEdge Energy, LLC	At least 1/8	409/377
N/A	PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	436/1

TRACT #57

Lease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
000115579-001	Daniel Clair Asher	PetroEdge Energy, LLC	At least 1/8	388/358
000115588-001	Inez R. Lush and Frank Lush	PetroEdge Energy, LLC	At least 1/8	388/354
N/A	PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	406/147

TRACT #53

Lease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
000115582-007	Ridgetop Capital, LP	PetroEdge Energy, LLC	At least 1/8	387/212
000115582-006	Ridgetop Capital II, LP	PetroEdge Energy, LLC	At least 1/8	387/210
N/A	PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	406/147

TRACT #171

AUG 25 2015

Lease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
000096848-000	BRC Appalachian Minerals I LLC/BRC Working Interest Company LLC OXY USA, LLC		At least 1/8 th	369/648
Assignment	BRC Working Interest Company LLC -Chesapeake Appalachia LLC		NA	369/784
Assignment	Chesapeake Appalachia LLC	Statoil USA Onshore Properties Inc.	NA	423/165

*Somerset Minerals LP, BP Mineral Holdings II, LLC, and OXY USA, LLC interests all encompassed by the above lease

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TRACT #90

Lease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
000101981-000	Ronald P. Webb	Chesapeake Appalachia, LLC	At least 1/8	376/333
N/A	Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.	Assignment	384/359
N/A	Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.	Assignment	423/152

TRACT #129

Lease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
N/A	Carol J. Knapp (now Carol Headley)	Jay-Bee Production Company	At least 1/8	388/141
N/A	Bernice Baker (currently owned by Roxane McNab)	Jay-Bee Production Company	At least 1/8	391/221
N/A	Jay-Bee Production Company	Statoil USA Onshore Properties Inc.	Assignment	469/419

TRACT #398

Lease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
000083192-001	Wilma L. Parr and husband, Raymond Parr	Chesapeake Appalachia, LLC	At least 1/8	367/766
N/A	Chesapeake Appalachia, LLC	Statoil USA Onshore Properties Inc.	Assignment	423/152

ROAD CROSSING LETTERS

PYLES 5H - 7
88
57
53
171
90
129 - NO TO
398

470950-280

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March 21, 2014

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

Attention: Mr. Joshua S. Ozment

Re: Helen E. Boggs, et al 87.82 Acre Tract out of Ellsworth District in Tyler County,
West Virginia (Tax Parcel No. 2-16-44)

61 PPD
Tyler
88
4709502298

ORIGINAL DRILLING TITLE OPINION

DESCRIPTION OF LANDS

Tax Parcel No. 2-16-44, containing 87.82 acres, more or less, out of Ellsworth District in Tyler County, West Virginia, and being all of 110 acres, more or less, described as the Third Parcel in a Deed, dated May 12, 2006, from Robert A. Pyles and wife, Vickie L. Pyles, and Richard D. Pyles and wife, Cathy J. Pyles, to Richard D. Pyles and wife, Cathy J. Pyles, recorded in Book 350, Page 794, Office of the Clerk of the County Commission, Tyler County, West Virginia, SAVE AND EXCEPT two (2) tracts described as follows: (1) 3.699 acres, more or less, described in a Deed, dated April 4, 2002, from Robert A. Pyles and wife, Vickie L. Pyles, and Richard D. Pyles to Carl Straight, recorded in Book 335, Page 488, Office of the Clerk of the County Commission, Tyler County, West Virginia, and (2) an undetermined number of acres, being that portion of 85.48 acres, more or less, described in a Deed, dated May 11, 2006, from Robert A. Pyles and wife, Vickie L. Pyles, and Richard D. Pyles and wife, Cathy J. Pyles, to Robert A. Pyles and wife, Vickie L. Pyles, recorded in Book 350, Page 788, Office of the Clerk of the County Commission, Tyler County, West Virginia, that lies within the boundary of the 110 acres, more or less, leaving 87.82 acres, more or less, hereinafter referred to as the "Subject Lands." The Subject Lands are shown on the plat attached hereto as Exhibit "A."

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OWNERSHIP

Based upon our examination of the materials referenced above, and subject to the comments, requirements, and limitations hereinafter set forth, we find title to the Subject Lands vests, as of December 21, 2013, as follows:

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.

SURFACE OWNERSHIP

1. Richard D. Pyles and wife, Cathy J. Pyles (100%)	1.00000000
Total Surface Ownership:	1.00000000

OIL AND GAS EXECUTIVE RIGHTS

1. Helen E. Boggs (1/4)	0.25000000
2. Kathryn Henderson Smith (1/40)	0.02500000
3. Nancy J. Miller (1/40)	0.02500000
4. Stephen R. Henderson (1/40)	0.02500000
5. Charles William Henderson, Jr. (1/40)	0.02500000
6. Michael L. Lough (1/16)	0.06250000

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0.02500000
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WV Department of
Environmental Protection

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

September 12, 2014

4709502298

Tyler # 57

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

Attention: Mr. Joshua S. Ozment

Re: Bounty Minerals, LLC, et al 22.95 Acre Tract out of Ellsworth District in Tyler County, West Virginia (Tax Parcel No. 2-22-3)

ORIGINAL DRILLING TITLE OPINION

DESCRIPTION OF LANDS

Tax Parcel No. 2-22-3, containing 22.95 acres, more or less, out of Ellsworth District in Tyler County, West Virginia, and being the same land described in a Deed, dated October 18, 1990, from William T. Tracy, by and through Ernest Cline Tracy, his Attorney in Fact, and wife, Blanche E. Tract, Terry W. Tracy and wife, Carolyn S. Tracy, Phillip L. Tracy and wife, Barbara E. Tracy, and Ernest Cline Tracy and wife, Jennifer Tracy, to Harold L. Hollaway, Jr., and wife, Deborah C. Hollaway, recorded in Book 287, Page 669, Office of the Clerk of the County Commission, Tyler County, West Virginia, hereinafter referred to as the "Subject Lands." The Subject Lands are shown on the plat attached hereto as Exhibit "A."

MATERIALS EXAMINED

1. Title Runsheet, prepared by S. A. Property Research, L.L.C.'s field landman for Statoil North America, Inc., covering the Subject Lands for the period from August 26, 1856 through and including August 11, 2014 in Tyler County, West Virginia (the "Title Runsheet");
2. The public records of Tyler County, West Virginia ("Records") for the period from August 26, 1856 through and including August 11, 2014, but only insofar as the same includes those documents set forth on the above described Title Runsheet as they pertain to the Subject Lands;

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12. Copy of an unrecorded Oil and Gas Lease, dated October 10, 2011, from Daniel Clair Asher to PetroEdge Energy LLC, a Memorandum of which is recorded in Book 388, Page 358, Office of the Clerk of the County Commission, Tyler County, West Virginia;
13. Copy of an unrecorded Oil and Gas Lease, dated October 21, 2011, from Myron C. Ferguson, acting as Trustee for the Ferguson Family Revocable Living Trust, dated August 8, 1994, to PetroEdge Energy LLC, a Memorandum of which is recorded in Book 389, Page 34, Office of the Clerk of the County Commission, Tyler County, West Virginia;
14. Copy of a Deed, dated July 2, 2013, from Ernest Glenn Logston and wife, Marjorie R. Asher Logston, to Bounty Minerals, LLC, recorded in Book 423, Page 830, Office of the Clerk of the County Commission, Tyler County, West Virginia; and
15. Copies of various plats and deed plots provided by S. A. Property Research, L.L.C.'s field landman covering the Subject Lands.

THE HEREINBELOW STATED OWNERSHIP INTERESTS AS SET FORTH IN THE OWNERSHIP SECTION HEREOF ARE EXPRESSLY SUBJECT TO THE COMMENTS, REQUIREMENTS AND LIMITATIONS SET FORTH HEREINBELOW. THIS OPINION IS RENDERED AS A COMPLETE DOCUMENT AND NO SEPARATE PART HEREOF SHOULD BE RELIED UPON TO THE EXCLUSION OF ANY OTHER PORTION HEREOF. THEREFORE, THIS OPINION SHOULD BE CONSIDERED IN ITS ENTIRETY.

OWNERSHIP

Based upon our examination of the materials referenced above, and subject to the comments, requirements, and limitations hereinafter set forth, we find title to the Subject Lands vests, as of August 11, 2014, as follows:

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.

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WV Department of
Environmental Protection



47 OIL, GAS & MINERAL LAW 0502208

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

September 26, 2014

Tyler # 53

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

Attention: Mr. Joshua S. Ozment

Re: Bounty Minerals, LLC, et al 69.50625 Acre Tract out of Ellsworth District in Tyler County, West Virginia (Tax Parcel No. 2-22-4)

ORIGINAL DRILLING TITLE OPINION

DESCRIPTION OF LANDS

Tax Parcel No. 2-22-4, containing 69.50625 acres, more or less, out of Ellsworth District in Tyler County, West Virginia, and being the same land described in a Deed, dated May 4, 1978, from Ira E. Ruble Jr. and wife, Helen Marie Ruble, to Stephen H. Dunthorn and wife, Barbara J. Dunthorn, recorded in Book 216, Page 40, Office of the Clerk of the County Commission, Tyler County, West Virginia, hereinafter referred to as the "Subject Lands." The Subject Lands are shown on the plat attached hereto as Exhibit "A."

MATERIALS EXAMINED

1. Title Runsheet, prepared by S. A. Property Research, L.L.C. for Statoil North America, Inc., covering the Subject Lands for the period from August 26, 1856 through and including April 23, 2014 in Tyler County, West Virginia (the "Title Runsheet");
2. The public records of Tyler County, West Virginia ("Records") for the period from August 26, 1856 through and including April 23, 2014, but only insofar as the same includes those documents set forth on the above described Title Runsheet as they pertain to the Subject Lands;

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Environmental Protection

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12. Copy of an unrecorded Oil and Gas Lease, dated October 10, 2011, from Daniel Clair Asher to PetroEdge Energy LLC, a Memorandum of which is recorded in Book 388, Page 356, Office of the Clerk of the County Commission, Tyler County, West Virginia;
13. Copy of an unrecorded Oil and Gas Lease, dated October 21, 2011, from Myron C. Ferguson, acting as Trustee for the Ferguson Family Revocable Living Trust, dated August 8, 1994, to PetroEdge Energy LLC, a Memorandum of which is recorded in Book 389, Page 39, Office of the Clerk of the County Commission, Tyler County, West Virginia;
14. Copy of a Deed, dated December 17, 2012, from Ernest Glenn Logston and wife, Marjorie R. Asher Logston, to Bounty Minerals, LLC, recorded in Book 419, Page 40, Office of the Clerk of the County Commission, Tyler County, West Virginia; and
15. Copies of various plats and deed plots provided by S. A. Property Research, L.L.C's field landman covering the Subject Lands.

THE HEREINBELOW STATED OWNERSHIP INTERESTS AS SET FORTH IN THE OWNERSHIP SECTION HEREOF ARE EXPRESSLY SUBJECT TO THE COMMENTS, REQUIREMENTS AND LIMITATIONS SET FORTH HEREINBELOW. THIS OPINION IS RENDERED AS A COMPLETE DOCUMENT AND NO SEPARATE PART HEREOF SHOULD BE RELIED UPON TO THE EXCLUSION OF ANY OTHER PORTION HEREOF. THEREFORE, THIS OPINION SHOULD BE CONSIDERED IN ITS ENTIRETY.

OWNERSHIP

Based upon our examination of the materials referenced above, and subject to the comments, requirements, and limitations hereinafter set forth, we find title to the Subject Lands vests, as of April 23, 2014, as follows:

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.

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Environmental Protection

4709502298

34 P

MILLER LAW OFFICES, PLLC

KENNETH R. MILLER
KENNETH ALEXANDER MILLER II*
CHARLES K. WADE **

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

* Also Admitted in Ohio
** Also Admitted in Illinois

May 5, 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: Tract Index No. 171
Title of Oxy USA Inc., et al.
to 84.67400000 acres oil and gas
waters of Muddy Creek of Middle Island Creek,
Ellsworth District, Tyler County, West Virginia
Tax Map #2-22, parcel 5

ORIGINAL DRILLING TITLE OPINION

DESCRIPTION OF LANDS

Tract: Tax Map #2-22, parcel 5, containing 31.74000000 acres, more or less, located in Ellsworth District, Tyler County, West Virginia, and being the same lands described in that certain Deed of record in Deed Book 464, at page 542, in Tyler County, West Virginia.

The land referred to in this document is situated in Ellsworth District, in the County of Tyler, State of West Virginia, and is described as follows:

BEGINNING at a 5/8" steel rod on the ridge, a common corner to tracts of R. Webb and R. Gregg; thence seven calls with the Gregg tract N 10°00'00" E. a distance of 33.00 feet to a 5/8" steel rod on the ridge; thence N 27°33'16" W, a distance of 650.45 feet to a 5/8" steel rod; thence N 41°48'17" W, a distance of 800.25 feet to a 5/8" steel rod; thence N 65°48'17" W, a distance of 528.00 feet to a 5/8" steel rod; thence N 06°48'17" W, a distance of 231.00 feet to a 5/8" steel rod at the powerline; thence N 57°59'52" E, a distance of 296.97 feet to a 5/8" steel rod near the northern edge of powerline; thence N 60°00'00" W, a distance of 445.50 feet to a steel rod set in the old fence line; thence one call with a tract of

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David E. Bowyer Less Burdens of: (0.50000000 x 0.16) [L3]	0.50000000	0.42000000
Oxy USA Inc. (0.30750000 x 12.875%) [L1] [L2]	0.00000000	0.03959063
BP Mineral Holdings II, LLC (0.16500000 x 12.875%) [L1] [L2]	0.00000000	0.02124375
Somerset Minerals, LP (0.02750000 x 12.875%) [L1] [L2]	0.00000000	0.00354062
Joseph J. Yurigan, Jr. (0.25000000 x 16%) [L3]	0.00000000	0.02000000
O. Allan P. Angelicchio, Jr. (0.12500000 x 16%) [L3]	0.00000000	0.01400000
Darrell D. Defalco (0.06250000 x 16%) [L3]	0.00000000	0.01300000
May Kay Carter (0.06250000 x 16%) [L3]	0.00000000	0.01300000
Waco Oil & Gas Co., Inc. (0.50000000 x 0.03125) [ORRI1]	0.00000000	0.01562500
TOTAL	1.00000000	1.00000000

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 rights, or royalty under any public roads located within the boundary of the subject tract. I arrived at this conclusion after reviewing the parcel on the tax map and noticing no county roads or turnpikes traversing it. Furthermore, there are no 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.

INSTRUMENTS AFFECTING THE MINERAL ESTATE

Unless otherwise noted, all references to Books, Pages and Instrument Numbers in this Opinion shall refer to those located in the office of the Clerk of the County Commission of Tyler County, West Virginia.

OIL AND GAS ESTATE:

OIL AND GAS LEASES

L1.

OIL AND GAS LEASE

DATE:

August 27, 2009

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27 pgs

RADCLIFF PLLC

4709502298

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

Patrickradcliff@hotmail.com
304-295-6027

Date: May 4, 2015

Statoil USA Onshore Properties, Inc.
Central Accounts Payable
2103 City West Boulevard, Suite 800
Houston, TX 77042

ATTN: Jared Guynes
Senior Landman

RE: Tract Index No. 90
Tax parcel No. (2) Map 22 Parcel 40
65 Acres
Ellsworth District
Tyler County, WV

FINAL TITLE OPINION

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, and except as to matters shown herein to have been reported by the abstractor, I hereby certify that I have examined the title upon the above-referenced property and report the following state of title:

DESCRIPTION OF LANDS

Tax Parcel No. 22-40, containing 65 acres, more or less, located in Ellsworth District, Tyler County, West Virginia, and more particularly described in deed dated February 23, 1990 of record in Deed Book 284 at page 84, made by Frederick M. Dean, Special Commissioner to Ronald P. Webb and Sandra Lee Webb, his wife, as follows:

Beginning at a double chestnut oak in Hugh Smith's line N. 35 E. 120 poles to a stone on run bank poplar called for; thence N. 68 E. 78-1/3 poles to a stone-B.O. called for; thence N. 39 P. to a stone to a chestnut oak and Hickory pointers; thence S. 68 W. 166 P. to a stone; thence S. 10 W. 82-4/5 P. to a crooked S.O. thence S. 53 E. 34 P. to the place of beginning, containing 65 acres, be the same more or less.

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This description is subject to an accurate survey. Refer to Exhibit B for a tax map of said tract.

JUL 24 2015

E.3

Date of Instrument	April 10, 1967
Date Recorded	May 5, 1967
Deed Book	175 DB 243
Grantor	Floyd L. Soles and Claudia Soles, his wife
Grantee	Monongahela Power Company, an Ohio corporation
Purpose	Constructing, installing, maintaining repairing telephone & Telegraph communication lines across the property I own, in Ellsworth District,, county of Tyler located on W. Va. Bounded as: On the North-Jack Anderson; On the East-Donald Weekly & Morris Paar; on the South-Lesly Weekly; and on the West-Ira Sole & Frank Smith.
Current Owner	Same

E.4

Date of Instrument	September 25, 1980
Date Recorded	November 29, 1980
Deed Book	227 DB 485
Grantor	Mildred Sole and Walter Sole
Grantee	Chesapeake and Potomac Telephone Company of West Virginia
Purpose	Constructing, installing, maintaining repairing telephone & Telegraph communication lines across the property I own, in Ellsworth District.
Current Owner	Same

E.5

Date of Instrument	April 6, 1981
Date Recorded	January 8, 1982
Deed Book	236 DB 458
Grantor	Fred L. Sole, Jr.
Grantee	Chesapeake and Potomac Telephone Company of West Virginia
Purpose	Constructing, installing, maintaining repairing telephone & Telegraph communication lines across the property I own, in Ellsworth District.
Current Owner	Same

F. Interests of State 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 and therefore, the State holds no interest in the oil and gas underlying the subject property which would affect the subject lease.

Pending Suits, Judgments and Liens

None

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Office of Oil and Gas

JUL 24 2015

WV Department of
Environmental Protection

MILLER LAW OFFICES, PLLC

KENNETH R. MILLER
KENNETH ALEXANDER MILLER II'
CHARLES K. WADE'
JAMES T. BOGGS'

'Also Admitted in Ohio
'Also Admitted in Illinois
'Also Admitted in Pennsylvania

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

4709502298
304-366-0822
FAX: 304-366-0825

July 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
Tract Index No. 129
Title of The Carol Knapp Revocable Trust, et al.
to 45 acres oil and gas
waters of Muddy Creek, Ellsworth District,
Tyler County, West Virginia
Tax Map #2-22, parcel 39

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.

State of West Virginia Ownership Under Public Roads

I, undersigned, have personally reviewed the records available within the Office of the Clerk of the County Commission of Tyler County, West Virginia, as well as those records available within the Office of the Circuit Clerk of Tyler County, West Virginia, and based upon the same, do hereby Certify that the State of West Virginia does not appear to own any interest in and to the Executive Mineral Fee Estate under the Subject Lands. Said Certification is made subject only to any rights owned under Ancient Turnpikes.

Respectfully submitted,



Alex Miller

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2b p. 2

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
millerlawofficeswv@gmail.com
millerlawofficeswv.com

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

*Also Admitted in Ohio

April 29, 2015

4709502298

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

Re: Tract Index No. 398
Title of Bruce Parr, et ux.
To 113 acres oil and gas
Waters of Muddy Creek, Ellsworth District
Tyler County, West Virginia
Tax Map #22, parcel 38

ORIGINAL DRILLING TITLE OPINION

DESCRIPTION OF LANDS

Tract: Tax Map #22, parcel 38, containing 113 acres, more or less, located in Ellsworth District, Tyler County, West Virginia, and being the same lands described in that certain Deed of record in Deed Book 335, at page 560, in the office of the Clerk of the County Commission of Tyler County, West Virginia.

The land referred to in this document is situate on the waters of Muddy Creek, Ellsworth District, in the County of Tyler, State of West Virginia, and is described as follows:

Beginning at a W. Oak N 62 W 72 poles to a R. Oak, S 10 W 3 poles to a R. Oak, S 38 W 130 poles to a Dogwood, S 34 E 83 poles to a W. Oak, N 58 E 70 poles to Stone, S 89 E 33 poles to a Beech N 22 E 13 poles to a Pin Oak, N 40 E 45 poles to a R. Oak, N 27 W 70 poles to a W. Oak, N 62 W 72 poles to a R. Oak, S 10 W 3 poles to the beginning, containing one hundred and thirteen (113) acres, be the same more or less.

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Sprigg Smith, heirs, successors, and assigns (0.33333333 x .125) [L1] [NON-PARTICIPATING ROYALTY OWNER]	0.04166667	4709502298
TOTAL	0.12500000	

C. OIL AND GAS LEASEHOLD ESTATE

a. OVERRIDING ROYALTY INTEREST

None. There are no overriding royalty interests.

b. WORKING INTEREST AND NET REVENUE INTEREST

OWNER	WI	NRI
Statoil USA Onshore Properties Inc. Inc. [L1] [A1] [A2] Less Burdens of: (1.0 x .125) [L1]	1.00000000	0.87500000
Bruce Parr and Sandra L. Parr, husband and wife, as joint tenants with right of survivorship 2810 McKims Ridge Road Colliers, WV 26035-1717 (0.66666667 x .125) [L1]	0.00000000	0.08333333
Sprigg Smith, heirs, successors, and assigns (0.33333333 x .125) [L1] [NON-PARTICIPATING ROYALTY OWNER]	0.00000000	0.04166667
TOTAL	1.00000000	1.00000000

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 rights, or royalty under any public roads located within the boundary of the subject tract. Furthermore, there are no 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.

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INSTRUMENTS AFFECTING THE MINERAL ESTATE

JUL 24 2015

Unless otherwise noted, all references to Books, Pages and Instrument Numbers in this Opinion shall refer to those located in the office of the Clerk of the County Commission of Tyler County, West Virginia.

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

Date of Notice Certification: 05/20/2015

API No. 47- _____

Operator's Well No. Pyles 5H

Well Pad Name: Pyles

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:

4708502298

State: West Virginia
County: Tyler
District: Elsworth
Quadrangle: Porter Falls-Sec 7
Watershed: Gorell Run - Middle Island Creek

UTM NAD 83 Easting: 513988.02
Northing: 4372666.16
Public Road Access: CR 34/3
Generally used farm name: Pyles Farm

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

- 1. NOTICE OF SEISMIC ACTIVITY or NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED
- 2. NOTICE OF ENTRY FOR PLAT SURVEY or NO PLAT SURVEY WAS CONDUCTED
- 3. NOTICE OF INTENT TO DRILL or NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)
- 4. NOTICE OF PLANNED OPERATION
- 5. PUBLIC NOTICE
- 6. NOTICE OF APPLICATION

OOG OFFICE USE ONLY

- RECEIVED/ NOT REQUIRED
- RECEIVED
- RECEIVED/ NOT REQUIRED
- RECEIVED
- RECEIVED
- 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 notified 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.

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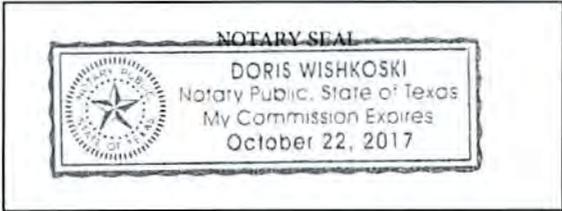
Certification of Notice is hereby given:

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.

4709502298

Well Operator: Statoil USA Onshore Properties Inc.
By: Bekki Winfree/ *Bekki Winfree*
Its: Sr. Regulatory Advisor
Telephone: 713-485-2640

Address: 2107 City West Boulevard
Houston, TX 77042
Facsimile: 713-918-8290
Email: BEKW@Statoil.com



Subscribed and sworn before me this 14th day of July, 2015
Doris Wishkoski Notary Public
My Commission Expires 10-22-17

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.

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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: 05/20/2015 Date Permit Application Filed: 07/24/2015

Notice of:

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

4709502298

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: Gay Pyles
 Address: 1098 Nash Run Road
 Middlebourne, WV 26149
 Name: Richard D. & Cathy D. Pyles
 Address: 803 Nash Run Road
 Middlebourne, WV 26149

COAL OWNER OR LESSEE
 Name: Richard "Rick" & Cathy Pyles
 Address: 803 Nash 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: Charles Pyles
 Address: 1098 Nash 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 and Gas

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PYLES 5H WW6A – NOTICE OF APPLICATION OWNERSHIP ATTACHMENT

SURFACE OWNERS

Gay Pyles ✓
803 Nash Run Road
Middlebourne, WV 26149

corrected

Richard "Rick" & Cathy Pyles ✓
803 Nash Run Road
Middlebourne, WV 26149

COAL OWNERS

Richard "Rick" & Cathy D. Pyles ✓
803 Nash Run Road
Middlebourne, WV 26149

Phillip E. Anderson (POA) ✓
For Charles Ernests & Onelee Doris Anderson
516 Wick Road
Middlebourne, WV 26149

Rodney & Candis Nash ✓
236 Nash Road
Middlebourne, WV 26149

Sandra Brightwell, subject to LE to Norma Bell ✓
PO BOX 122
Pennsboro, WV 26415

Connie Zimmerman ✓
137 Central Avenue
New Martinsville, WV 26155

Michael Lough ✓
105 N 1 Avenue
Paden City, WV 26159

Charles & Sandra Henderson ✓
174 Lemasters
Middlebourne, WV 26149

corrected

Sue Ann Walter ✓
14 Asylum Street
Norwich, CT 06360

Kathryn H. Smith ✓
111 Russell Street
Cabin Creek, WV 25035

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JUL 27 2015

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Environmental Protection

Nancy Miller
285 Oil Ridge Road
Sistersville, WV 26175

Connected

Stephen R. Henderson
Route 1, Box 507
Middlebourne, WV 26149

Eva Gene Taylor
2600 Killian Road
Uniontown, OH 44685

Juanita Noland
460 East Main Street
Barnesville, OH 43713

Ruth Ann Lucas
904 Kennebec Avenue
Akron, OH 44305

WATER WELL OWNERS

Carl Straight
483 Nash Run Road
Middlebourne, WV 26149

Rodney Nash
236 Nash Run Road
Middlebourne, WV 26149

Rick Pyles
803 Nash Run Road
Middlebourne, WV 26149

Rick Pyles/Dustin Hendershot
959 Nash Run Road
Middlebourne, WV 26149

Gay Pyles
803 Nash Run Road
Middlebourne, WV 26149

Joseph Sitko
315 Airport Drive
Sellersville, PA 18960

4709502298

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.

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 limited 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 attention to address the items

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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

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.**

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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.

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Environmental Protection

WW-6A
(8-13)

API NO. 47- _____ - _____
OPERATOR WELL NO. Pyles 5H
Well Pad Name: PYLES

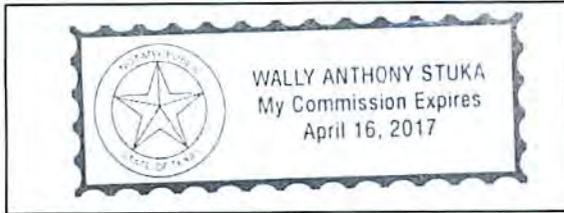
Notice is hereby given by:

Well Operator: STATOIL USA ONSHORE
Telephone: 713-918-8200
Email: BEKW@Statoil.com *Sub Ulip*

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

Oil and Gas Privacy Notice:

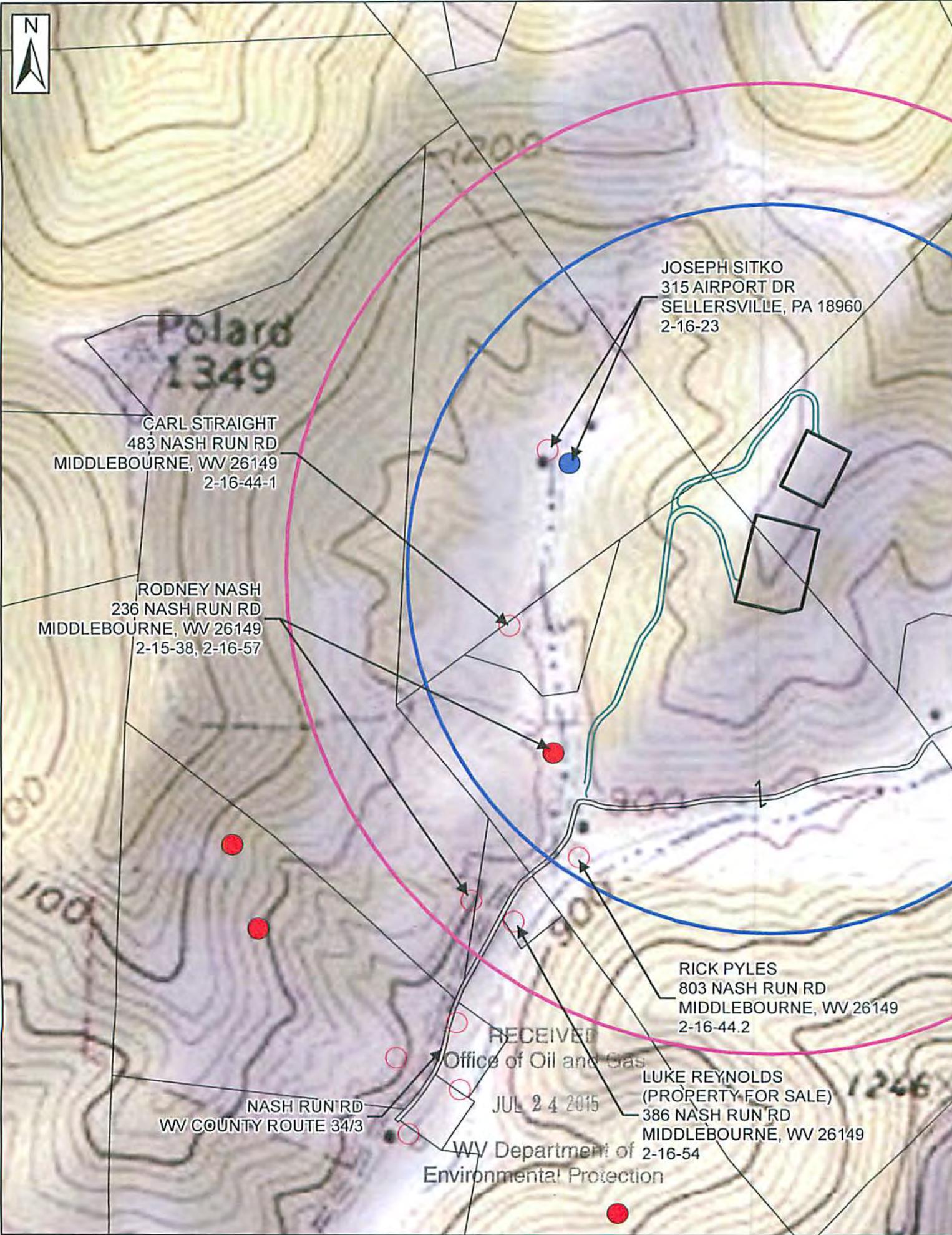
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory 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.

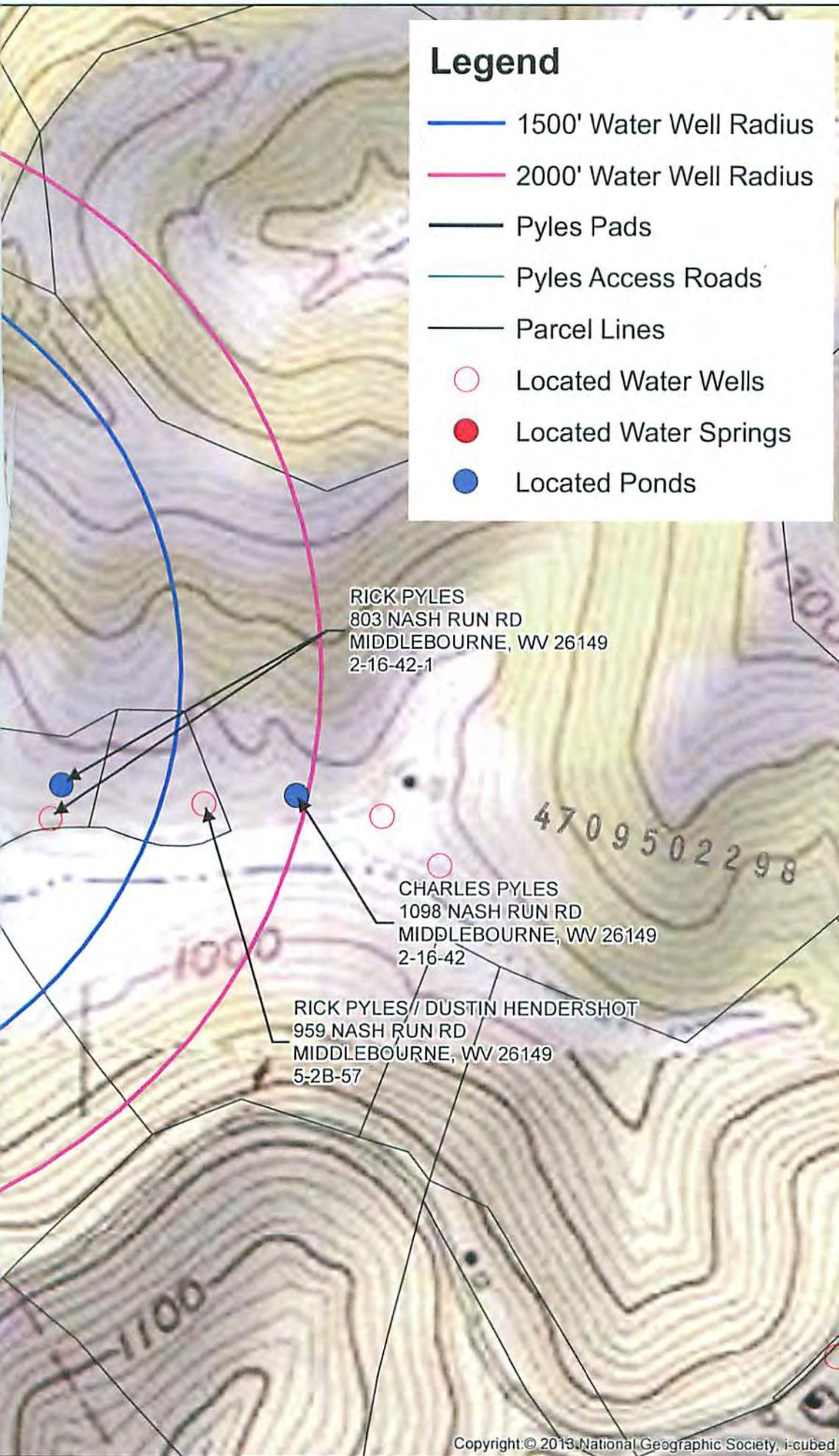


Subscribed and sworn before me this 23 day of July, 2015.
Wally Anthony Stuka Notary Public
My Commission Expires April 16, 2017

4709502298

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Office of Oil and Gas
JUL 24 2015
WV Department of
Environmental Protection





Legend

- 1500' Water Well Radius
- 2000' Water Well Radius
- Pyles Pads
- Pyles Access Roads
- Parcel Lines
- Located Water Wells
- Located Water Springs
- Located Ponds



Larson Design Group

Date 8/20/2014

Designer RTC

Project No. 8790-003-5

Scale 1 inch = 500 feet

Pyles Water Well Map

Ellsworth District, Tyler County, WV



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: 07/14/2015 **Date Permit Application Filed:** 07/24/2015

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: Gay Pyles
Address: 803 Nash Run Road
Middlebourne, WV 26149

Name: Richard "Rick" & Cathy Pyles
Address: 803 Nash 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 UTMNAD 83 Easting: 513988.02
County: Tyler Northing: 4372666.16
District: Ellsworth Public Road Access: CR 11
Quadrangle: Porters Falls - Sec 7 Generally used farm name: Pyles 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 Properties Inc.
Address: 2103 CityWest Blvd. Suite 800
Houston, Texas 77042
Telephone: 713-918-8200
Email: bekw@statoil.com
Facsimile: 913-918-8290

Authorized Representative: Bekki Winfree
Address: 2103 CityWest Blvd. Suite 800
Houston, Texas 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

JUL 24 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: 07/09/2015 **Date Permit Application Filed:** 07/24/2015

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: Gay Pyles
Address: 803 Nash Run Road
Middlebourne, WV 26149

Name: Richard "Rick" & Cathy Pyles
Address: 803 Nash 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>513988.02</u>
County:	<u>Tyler</u>		Northing:	<u>4372666.16</u>
District:	<u>Ellsworth</u>	Public Road Access:	<u>CR 11</u>	
Quadrangle:	<u>Porters Falls - Sec 7</u>	Generally used farm name:	<u>Pyles Farm</u>	
Watershed:	<u>Gorrell Run - Middle Island Creek</u>		4709502298	

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 Properties Inc.
Telephone: 713-918-8200
Email: bekw@statoil.com

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

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Office of Oil and Gas

JUL 24 2015

WV Department of
Environmental Protection



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

July 16, 2015

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

4709502298

Subject: DOH Permit for the Pyles Pad Tyler County
Pyles 5H

Dear Mr. Martin,

The West Virginia Division of Highways has issued Permit # 06 -2014-0553 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 34/3 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,

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

Cc: Joshua Ozment
Statoil USA Onshore Properties Inc.
CH, OM, D-6
File

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JUL 24 2015

WV Department of
Environmental Protection

Frac Additives

BIO CLEAR 2000

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

4709502298

BUFFER

Sulfamic Acid	5329-14-6
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ACID

Hydrochloric Acid	7647-01-0
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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
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Office of Oil and Gas

JUL 24 2015

WV Department of
Environmental Protection

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
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JUL 24 2015
WV Department of
Environmental Protection

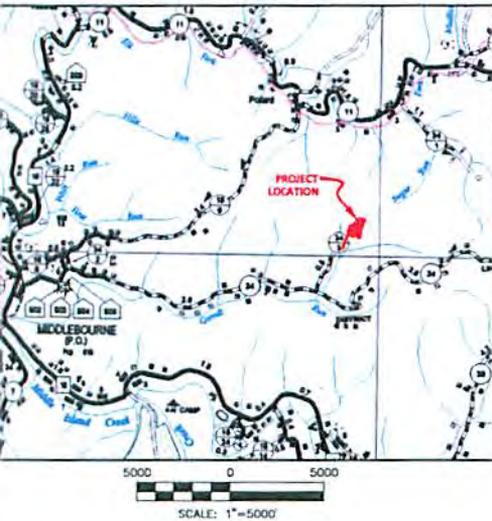
WELL PAD CONSTRUCTION PLANS CONTROL PLANS

TYLER COUNTY, WEST VIRGINIA
MIDDLECOURNE WATERSHED

CELLS QUAD MAPS



WVDOH COUNTY ROAD MAP



DESIGN CERTIFICATION
THESE DRAWINGS, CONSTRUCTION NOTES, AND REFERENCE DIAGRAMS
PREPARED HERETO HAVE BEEN PREPARED IN ACCORDANCE WITH THE
WEST VIRGINIA CODE OF STATE RULES, DIVISION OF ENVIRONMENTAL
PROTECTION, OFFICE OF OIL AND GAS CRS 35-8.

4709502298

SHEET INDEX

- 1 COVER SHEET
- 2-3 CONSTRUCTION AND E&S CONTROL NOTES
- 4 EXISTING CONDITIONS
- 5 OVERALL PLAN SHEET INDEX & VOLUMES
- 6-7 EROSION & SEDIMENTATION CONTROL PLAN
- 8 WELL PAD GRADING PLAN
- 9-10 ACCESS ROAD PLAN AND PROFILES
- 11-17 ACCESS ROAD CROSS SECTIONS
- 18-19 WELL PAD & FACILITIES CROSS SECTIONS
- 20-21 CONSTRUCTION DETAILS
- 22-23 RECLAMATION PLANS
- 24 FACILITIES LAYOUT



Larson Design Group



NO.	DATE	ISSUE / REVISIONS	BY	CHKD
2	5/15/15	WDEP COMMENTS ADDRESSED	JWF	BMP
1	12/19/14	REVISED STREAM IMPACT LENGTHS	JWF	BMP
0	12/8/14	WDEP PERMIT PLANS	JRC	BMP

COVER SHEET

PYLES (WV-5) WELL SITE

ELLSWORTH DISTRICT, TYLER COUNTY, WEST VIRGINIA

STATOIL
2103 CITY WEST BLVD., SUITE 800
HOUSTON, TX 77042
PHONE 713.918.8200

Larson Design Group • Architects Engineers Surveyors
2505 Cranberry Square
Morgantown, WV 26506
PHONE 304.777.2940 TOLL FREE 877.323.6603
FAX 570.323.9902 • www.larsondesigngroup.com

StatOil

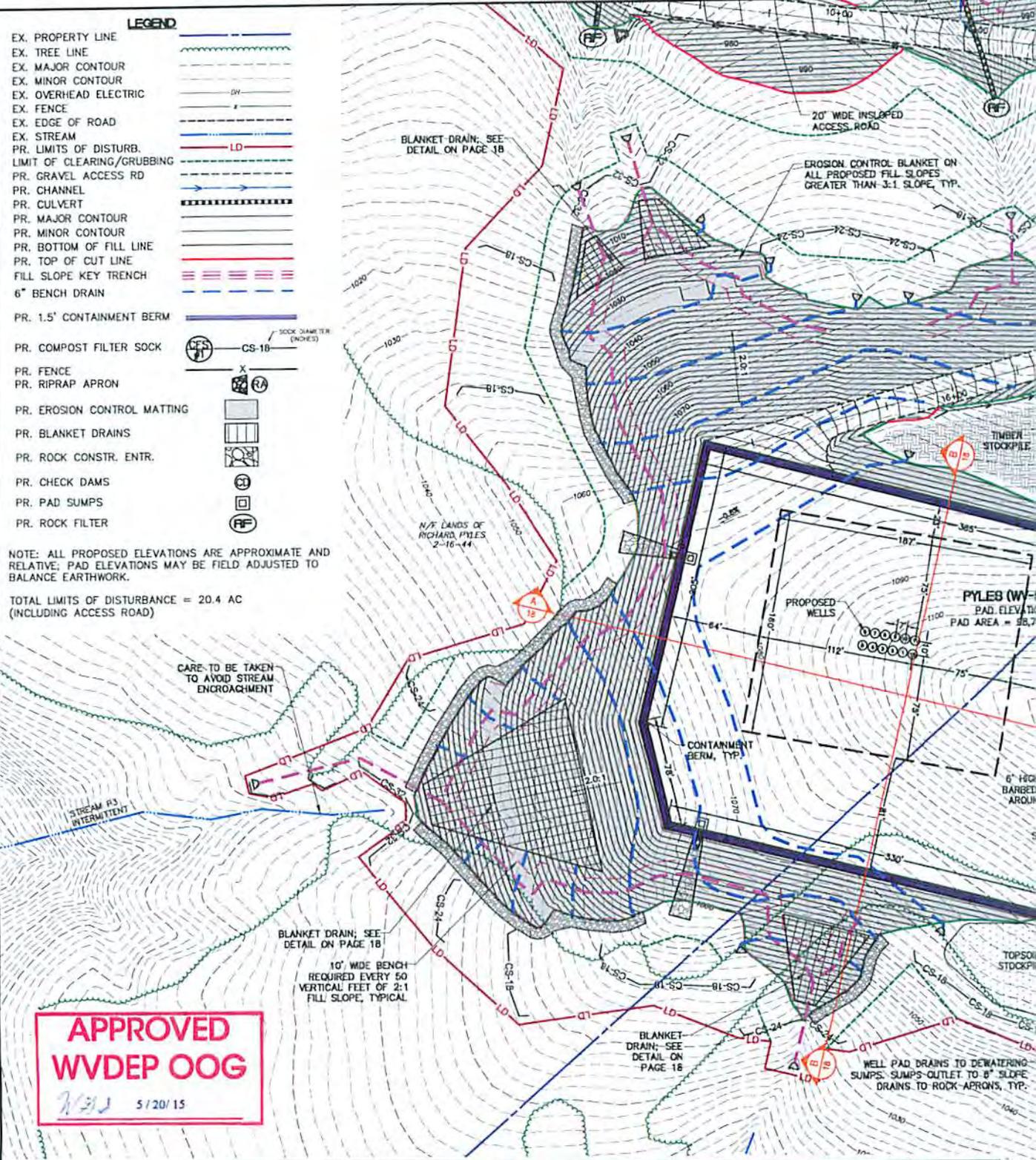
SHEET NO.: **1 OF 24**

PROJECT NO.: 8790-003-05

- LEGEND**
- EX. PROPERTY LINE
 - EX. TREE LINE
 - EX. MAJOR CONTOUR
 - EX. MINOR CONTOUR
 - EX. OVERHEAD ELECTRIC
 - EX. FENCE
 - EX. EDGE OF ROAD
 - EX. STREAM
 - PR. LIMITS OF DISTURB.
 - LIMIT OF CLEARING/GRUBBING
 - PR. GRAVEL ACCESS RD
 - PR. CHANNEL
 - PR. CULVERT
 - PR. MAJOR CONTOUR
 - PR. MINOR CONTOUR
 - PR. BOTTOM OF FILL LINE
 - PR. TOP OF CUT LINE
 - FILL SLOPE KEY TRENCH
 - 6" BENCH DRAIN
 - PR. 1.5' CONTAINMENT BERM
 - PR. COMPOST FILTER SOCK
 - PR. FENCE
 - PR. RIPRAP APRON
 - PR. EROSION CONTROL MATTING
 - PR. BLANKET DRAINS
 - PR. ROCK CONSTR. ENTR.
 - PR. CHECK DAMS
 - PR. PAD SUMPS
 - PR. ROCK FILTER

NOTE: ALL PROPOSED ELEVATIONS ARE APPROXIMATE AND RELATIVE; PAD ELEVATIONS MAY BE FIELD ADJUSTED TO BALANCE EARTHWORK.

TOTAL LIMITS OF DISTURBANCE = 20.4 AC (INCLUDING ACCESS ROAD)

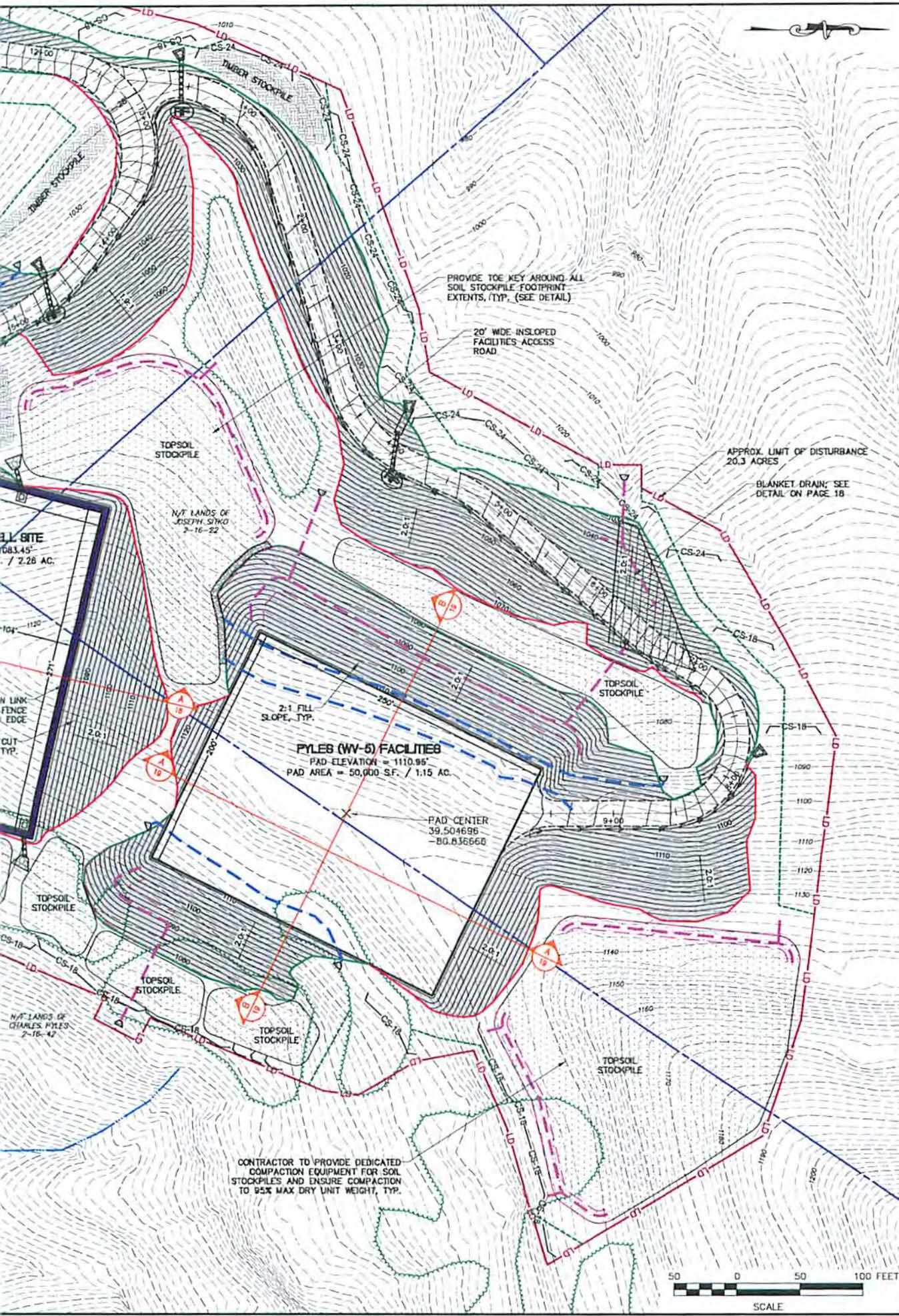


APPROVED
WVDEP OOG
5/20/15

PROPOSED WELL	WV NORTH NAD 27	WV NORTH NAD 83	UTM (METERS) NAD 83 - ZONE 17	NAD 83 LAT & LONG	PROPOSED WELL	WV NORTH NAD 27	WV NORTH NAD 83	UTM (METERS) NAD 83 - ZONE 17	NAD 83 LAT & LONG
1	N 368307.01 E 1622620.33	N 368342.09 E 1591179.24	N 4372675.03 E 513989.50	LAT 39.503585 LON -80.837283	7	N 368287.03 E 1622606.63	N 368322.11 E 1591165.53	N 4372668.87 E 513985.43	LAT 39.503530 LON -80.837331
2	N 368299.75 E 1622618.99	N 368334.83 E 1591177.89	N 4372672.81 E 513989.13	LAT 39.503565 LON -80.837288	8	N 368294.28 E 1622607.97	N 368329.37 E 1591166.88	N 4372671.09 E 513985.80	LAT 39.503550 LON -80.837326
3	N 368292.50 E 1622617.64	N 368327.58 E 1591176.55	N 4372670.59 E 513988.76	LAT 39.503545 LON -80.837292	9	N 368301.54 E 1622609.31	N 368336.62 E 1591168.22	N 4372673.31 E 513986.18	LAT 39.503570 LON -80.837322
4	N 368285.24 E 1622616.30	N 368320.32 E 1591175.21	N 4372668.38 E 513988.39	LAT 39.503525 LON -80.837296	10	N 368308.80 E 1622610.65	N 368343.88 E 1591169.56	N 4372675.52 E 513986.55	LAT 39.503590 LON -80.837318
5	N 368277.98 E 1622614.96	N 368313.07 E 1591173.87	N 4372666.16 E 513988.02	LAT 39.503505 LON -80.837301	11	N 368316.05 E 1622611.99	N 368351.14 E 1591170.90	N 4372677.74 E 513986.92	LAT 39.503610 LON -80.837313
6	N 368279.77 E 1622605.29	N 368314.86 E 1591164.19	N 4372666.65 E 513985.06	LAT 39.503510 LON -80.837335	12	N 368314.26 E 1622621.67	N 368349.35 E 1591180.58	N 4372677.25 E 513989.88	LAT 39.503605 LON -80.837279



NO.	DATE	WDEP PERMIT PLANS	COMMENTS	BY	CHKD
0	12/8/14			JRC	BMP



EROSION & SEDIMENTATION CONTROL PLAN
PYLES (WV-5) WELL SITE
 ELLSWORTH DISTRICT, TYLER COUNTY, WEST VIRGINIA

Larson Design Group • Architects Engineers Surveyors
 2505 Cranberry Square
 Morgantown, WV 26508
 PHONE 304.777.2940 TOLL FREE 877.323.6603
 FAX 570.323.9902 • www.larsondesigngroup.com

Statoil
 STATOIL
 2103 CITY WEST BLVD., SUITE 800
 HOUSTON, TX 77042
 PHONE 713.918.8200