

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

October 27, 2015

WELL WORK PERMIT Horizontal 6A Well

This permit, API Well Number: 47-9502299, 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.

Operator's Well No: YURIGAN III

Farm Name: STATOLL USA ONSHORE PROPEI

API Well Number: 47-9502299

Permit Type: Horizontal 6A Well

Date Issued: 10/27/2015

API Number: 95-02299

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. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.



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ORDER ISSUED UNDER WEST VIRGINIA CODE, CHAPTER 22, ARTICLE 6A

TO: Statoil USA Onshore Properties, Inc. 2107 City West Boulevard, Suite 800 Houston TX, 77042

DATE: September 25, 2015 ORDER NO.: 2015-W-11

INTRODUCTION

This Order (hereinafter "Order") is issued by the Office of Oil and Gas (hereinafter "OOG"), by and through its Chief, pursuant to the authority of W. Va. Code §§ 22-1-1, 22-6-1 and 22-6A-1 et seq. to Statoil USA Onshore Properties, Inc. (hereinafter "Statoil" or "Operator"), collectively the "Parties."

FINDINGS OF THE CHIEF

In support of this Order, the Chief hereby finds the following:

- OOG, an office within the West Virginia Department of Environmental Protection, is the agency with the duty and authority to execute and enforce W. Va. Code §22-6-1 and §22-6A-1 et seq., and the rules and regulations promulgated thereunder.
 - Statoil is a "person" as defined by W. Va. Code §22-6-1(n), with a corporate address as 2107 City West Boulevard, Suite 800, Houston, Texas.
 - On July 31, 2015, August 3, 2015 and August 5, 2015 Statoil submitted well work permit applications identified as API#s 47-095-02299, 47-095-02300, 47-095-02301, 47-095-02302 and 47-095-02303. The five proposed wells are to be located on the Yurigan Pad in Ellsworth District of Tyler County, West Virginia.
 - On July 31, 2015, Statoil requested a waiver for Wetland #1 as outlined in Attachment I, from well location restriction requirements in W. Va. Code §22-6A-12(b) for well work permit applications identified as 47-095-02299, 47-095-02300, 47-095-02301, 47-095-02302 and 47-095-02303.

CONCLUSIONS OF LAW

- 1. West Virginia Code §22-1-6(d) requires, in part, that "[i]n addition to other powers, duties and responsibilities granted and assigned to the secretary by this chapter, the secretary is authorized and empowered to...(3) Enter private lands to make surveys and inspections for environmental protection purposes; to investigate for violations of statutes or rules which the Office of Oil and Gas is charged with enforcing; to serve and execute warrants and processes; to make arrests; issue orders, which for the purposes of this chapter include consent agreements; and to otherwise enforce the statutes or rules which the Office of Oil and Gas is charged with enforcing."
- 2. West Virginia Code §22-6A-2(a)(6) requires, in part, that "Concomitant with the broad powers to condition the issuance of well work permits, the secretary should also have broad authority to waive certain minimum requirements of this article when, in his or her discretion, such waiver is appropriate: *Provided*, That the secretary shall submit a written report of the number of waivers granted to the Legislature commencing January 1, 2013, and each year thereafter."
- 3. West Virginia Code §22-6A-12(b) requires, in part, that "[n]o 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 Office of Oil and Gas 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 Office of Oil and Gas 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."

ORDER

West Virginia Code §22-6A-12(b) requires, in part, that "[n]o 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. The Office of Oil and Gas grants the request for a waiver for Wetland #1 from well location restriction requirements in W. Va. Code §22-6A-12(b) for well work permit applications identified as API#s 47-095-02299, 47-095-02300, 47-095-02301, 47-095-02302 and 47-095-02303. The Office of Oil and Gas hereby **ORDERS** that Statoil shall meet the following site construction and operational requirements for the Yurigan well pad:

- a. A berm shall be constructed around the perimeter of the pad to contain any potential spills and storm water runoff. Berm is to be at least eighteen inches (18") in height;
- b. Filter/silt socks and shall be installed on all slopes and down gradient locations of the pad and topsoil pile areas as erosion and sediment controlling BMPs;
- c. Wetland #1 shall have a 32" compost filter sock backed by super silt fence installed adjacent to the wetland;
- d. Disturbed areas not used for operations shall be seeded and mulched per the seeding tables in the WVDEP-OOG Erosion and Sediment Control Manual;
- e. Drill cuttings and associated drilling mud shall be disposed of in a permitted landfill;
- f. Waste generated by the flowback treatment systems shall be sent to offsite disposal at a permitted landfill;
- g. Weekly site inspections shall be conducted to monitor and maintain the integrity of the BMP storm water controls;
- h. Weekly storm water and spill prevention inspections shall be conducted focusing on storm water and spill prevention BMPs and maintenance of these BMPs;
- i. Inspections of the storm water and spill prevention measures shall be conducted after any major storm event defined as a half inch (½") rain within any twenty-four (24) hour period;
- j. Pad inspections shall be conducted no less than once a week to identify and mitigate potential deficiencies;
- k. All records from inspections shall be maintained on site for the life of the project and be available upon request.

Thus ORDERED, the 25th day of September, 2015.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

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

By: Land Marry Chip

API NO. 470 9 5 0 2 2 9 9 OPERATOR WELL NO. 1H Well Pad Name: Yurigan

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

1) Well Operat	tor: Statoil L	JSA Onshore Prop	494505083	Tyler	Ellsworth	Shirley - Sec. 3
×	W. 228222		Operator ID	County	District	Quadrangle
2) Operator's V	Well Number:	1H	Well P	ad Name: Yu	urigan	
3) Farm Name	/Surface Own	er: Yurigan Farm/Joseph Y	urigan, Jr. Public Ro	oad Access:	CR 34	
4) Elevation, c	urrent ground	: <u>1260</u> E	levation, propose	d post-constru	action: 1244	
5) Well Type	_	Oil	Un	derground Sto		
	(-)	Shallow X Horizontal X	Deep			Michael 9.
6) Existing Pac	d: Yes or No	No		_		1/11/
· ·	-	on(s), Depth(s), Anti 6914' TVD, 51' thick,		and Associat	ted Pressure(s)	
8) Proposed To	otal Vertical D	Depth: 6917' TVD				
9) Formation a			ıs			
10) Proposed	Total Measure	d Depth: 15129'				
11) Proposed I	Horizontal Leg	g Length: 7560'				
12) Approxim	ate Fresh Wat	er Strata Depths:	313' TVD			
		resh Water Depths: Depths: 663' TVD	1980 study "Freshw	ater & Saline Gr	oundwater Study	of WV" by James Foste
		Depths: 438'				
16) Approxim	ate Depth to P	Possible Void (coal n	nine, karst, other)	: NA		
		ation contain coal sent to an active mine?			No X	
(a) If Yes, pr	rovide Mine Ir	nfo: Name:				D
TAY YOU		Depth:				Received
		Seam:				UL 3 1 2015
		Owner:			J	0 7 7013

09502299 A

WW-6B (10/14)

API NO. 47	
OPERATOR WELL NO.	1H
Well Pad Name: Yuriga	n

18)

CASING AND TUBING PROGRAM

ТҮРЕ	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'	Cement to Surface-150 cuft
Fresh Water	13.375"	New	J-55	54.4#	373'	373'	Cement to surface-339 cuft
Coal	NA						
Intermediate	9.625"	New	J-55	36#	2641'	2641'	Cement to surface-1063 cuft
Production	5.5"	New	P-110	20#	15129'	15129'	Cement to 1641'-3436 cuft
Tubing	2.375"	New	L-80	4.7#		777	
Liners	NA						\- <u>-</u> -

MAG 7/17/15

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Max. Associated Surface 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	234	Class A	2.31 cuft/sk
Coal	NA				222		
Intermediate	9.625"	12.25"	.352"	3520 psi	2016	Class A	2.31 cuft/sk
Production	5.5"	8.5"	.361	12640 psi	10000	Class A	1.29 cuft/sk
Tubing	2.375"	5.5"	.19"	11200 psi	3776		- 1
Liners	NA			11.2-1			144

PACKERS

Kind:	HES Versa-Set Retrievable Packer	
Sizes:	2.375" x 5.5"	Received Office of Oil & Gas
Depths Set:	6500'	JUL 3 1 2015

WW-6B (10/14) API NO.9475 0 2 2 9 9

OPERATOR WELL NO. 1H

Well Pad Name: Yurigan

MAG 7/17/15

See Attached	
20) Describe fracturing/stimulating methods in detail, including a	anticipated max pressure and max rate:
Well will be hydraulically fracture stimulated via the plug-n-p Each fracturing treatment will utilize approximately 390,000 The fracturing rate will range between 75 and 100 bpm at a of 10,000 psi.	lbs of sand and 7,500 bbls of fresh water.
21) Total Area to be disturbed, including roads, stockpile area, pi	ts, etc., (acres): 12.2 acres
22) Area to be disturbed for well pad only, less access road (acres): 3.58 acres
23) Describe centralizer placement for each casing string:	
See Attached	
24) Describe all cement additives associated with each cement ty	pe:
See Attached	
25) Proposed borehole conditioning procedures:	
See Attached	Received Office of Oil & Gas
	JUL 3 1 2015

^{*}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 %" 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 %" 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 %" 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 15129'md/6,917'vd using SBM and conventional mud motors. A 5 %" 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 ints 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 + 3% CaCl2

Production - Class A cmt, 10% bwow Dispersent, 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 circulated 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.

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.

95-02299

Statoil					Ma	ırcellu	is - Dri	Illin	ig Well So	chematic		
Well Name: Field Name: County: API #:	Yurigan Marcellu Tyler 0					BHL: SHL:		169964 170273			TVD(ft): 6,9 TMD(ft): 15, Profile: Ho AFE No.: PEI	129 rizontal
Formations & Csg Points	MD	Depth, ft	SS	Form. Temp. (F)	Pore Press. (EMW)	Frac Gradient (EMW)	Planned MW		Measure Depth	Program	1	Details
					Carrie			Ш	(ft)		the second	20" Conductor
Conductor	100	100	1,163				FW 9.2 9.2		100	Profile: Bit Type: BHA: Mud: Surveys: Logging: Casing:	Vertical 17-1/2* PDC 95/8* 6/7 5.0.13 RPG 9.2 ppg Fresh Water n/a n/a 13.375 54.5 J-55 BTC at 3' 1 centralizer w/ stop colla- every joint to 100ft below	r 10 ft above float shoe. One Single Bow
		Approxi	nate Fresh	Water Strat	a-313					Cement:	15.8 ppg Tail slurry w/ TO	OC @ Surface
Casina Polnt	373	373	890	65					373	Potential Drilling Problems:	Stuck P/pe, Finating, Colle	lau,
Washington Coal	375	438	070	0.5			Air/Mist		3/3	FIT/LOT: 14.0 p	opg EMW Nudge and hold for antico	12-1/4" Intermediate
1st Salt Sand		666					Mayetts			Bit Type:	12-1/4" Hughes VG-35AD	
				4	4.					вна:	Powerline 1.83; 7/8 lobe; 0	2.5stg; ,07rpg
				*		1	1			Mud: Surveys:	- ppg Air/Mist Gyro SS, MWD - EM Pulse	
										Logging: Casing/Liner: Csg Hanger: Centralizers:	centralizer w/ stop collar	"MD/2641"TVD op collar 10 ft above float shoe, 1 centek 10 ft above float collar, 1 centralizer ever One centralizer every 3 juts to 100ft bel
									TOC @ 1641	Cement:	15.8 ppg Tail slurry w/ To	DC @ Surface
Base Big Injun		2,541				-				Potential Drilling Problems:	Hole Cleaning , Poor ROP, i	Connections, Bit Preservation
Casing Point	2,641	2,641	-1,378	82		>18.0		4	2,641	FIT: 15.8 ppg E	ww	8-1/2" Production
Weir Berea Sand		2,725 2,893					Air/Mist Air/Mist			Profile:	8-3/4" Hughes VG-30ADX	
Gordon Sand		3,115					Air/Mist			Bit Type:	8-3/4" SMITH SDi516 - C	
Warren		3,697					Air/Mist			BHA: Mud:	6.75in 4/5 lobe 7.0 stg 1.9	S FBH (0.5 rpg, 1000 DIFF) - C&L ppg SBM in the Curve & Lateral
Benson		5,308					Air/Mist			Surveys: Logging:	MWD - EM Pulse w/ 30ft s GR	curveys in curve, 100ft surveys in lateral
Undiff Shales		5,350					Air/Mist			Casing/Liner:	5.5 20 P110EC VAM TOP F	T at 15129 ft MD/6917 ft TVD
							Air/Mist Air/Mist			Csg Hanger: Centralizers:	(floating) until KOP. 1 cen	op collar 10ft above shoe. I centek t collar. I centek centralizer every joint tek centralizer every 3 joints (floating) u shoe, I centek centralizer 50ft below
KOP Sonyea	6,168	6,162 6,436					12.0-12.5		l l	Cement:	15 ppg Tail slurry w/ TOO	© 1641'vd
Middlesex West River Geneseo		6,748 6,775 6,845					12.0-12.5			Potential Drilling Problems:	bir Preservation, Hole Cles	ming, Achteving DES, Unfamiliarry w/ To
Tully Hamilton		6,868 6,819					12.0-12.5			Notes /		
Marcellus		6,944					12.0-12.5			Comments:		
- 7		10.11				-						
Landing point	7,570	6,917					12.0-12.5					TMD: 15,129 TVD: 6,917
Cherry Valley		7,026					12.0-12.5			Deg .		
Onondaga		7,051			•	*	12.0-12.5					
					•	•						
Last Revision Date: Revised by:		9/15/201 Ryan Card							epths are referenced			Cement Outside Casing

09502299

Operator's Well No. Yurigan 1H

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
	Shirtey - Sec. 3
Do you anticipate using more than 5,000 bbls of water to complete the proposed w	well work? Yes ✓ No
Will a pit be used? Yes No V	
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Yes No If s	so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:	MPC 7/17/15
Land Application	
Underground Injection (UIC Permit Number Green Ho	Junter API 34-121-23195
Reuse (at API Number	cation)
Other (Explain_	
to 15 - July Yes	
Will closed loop system be used? If so, describe: Yes	
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwate	er, oil based, etc.
-If oil based, what type? Synthetic, petroleum, etc. Synthetic	
Additives to be used in drilling medium? emulisifier, food grade oil, barite, surfactant, c	calcium carbonate, gilsonite, lubricant, graphite, lime
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landf	igii
-If left in pit and plan to solidify what medium will be used? (cement, lir	ime, 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 o	drill cuttings or associated waste rejected at any
West Virginia solid waste facility. The notice shall be provided within 24 hours of where it was properly disposed.	of rejection and the permittee shall also disclose
I certify that I understand and agree to the terms and conditions of the G on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department provisions of the permit are enforceable by law. Violations of any term or cond law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and ar application form and all attachments thereto and that, based on my inquiry obtaining the information, I believe that the information is true, accurate, and penalties for submitting false information, including the possibility of fine or improved.	at of Environmental Protection. I understand that the dition of the general permit and/or other applicable arm familiar with the information submitted on this of those individuals immediately responsible for d complete. I am aware that there are significant
Company Official Signature School Whyte	
Company Official (Typed Name) Bekki Winfree	Received
Company Official Title Sr. Regulatory Advisor	Office of Oil & Gas
16	
Subscribed and sworn before me this 19 day of 1009	, 20/SJUL 3 1 2015
SHIRLY KUM MY ELLER	Notary Public
My commission expires 3-26-2016	SHIRLEY RYAN-AMELLE Notary Public, State of Te My Commission Expire March 26, 2016
	10/30/2

Form WW-9

Operator's Well No. Yurigan 1H

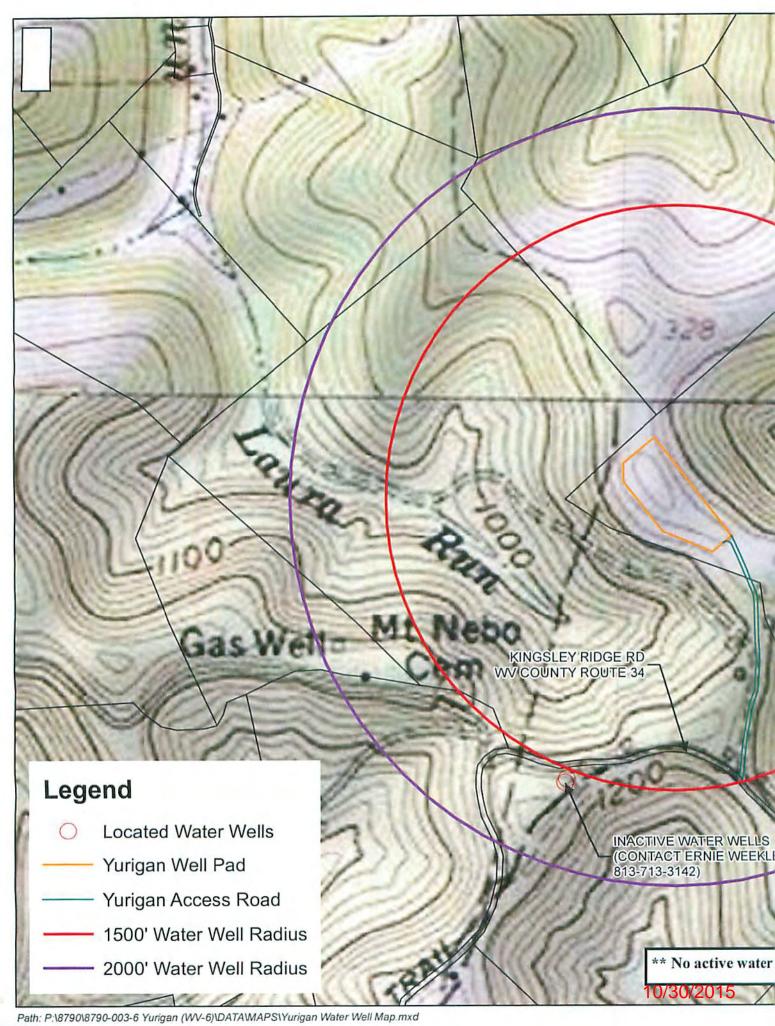
Proposed Revegetation Trea	atment: Acres Disturbed 8.35	Prevegetation pH	Unknown
Lime 3	Tons/acre or to correct to p	Н 6	
Fertilizer type 10-	-20-20		
Fertilizer amount_5	500	lbs/acre	
Mulch 2	Tons	s/acre	
	Se	eed Mixtures	
т	emporary	Permai	ient
Seed Type	lbs/acre	Seed Type	lbs/acre
Winter Rye - 168	3 lbs/acre	Tall Fescue or Orchard	Grass - 40 lbs/acre
Annual Ryegrass	- 40 lbs/acre	Ladino Clover - 3 lbs/	acre
		Redtop - 3 lbs/acre	
provided)	n, pit and proposed area for land a blved 7.5' topographic sheet.	application (unless engineered plans inc	luding this info have be
Photocopied section of invo	blved 7.5' topographic sheet.		
Photocopied section of invo	blved 7.5' topographic sheet.		
Photocopied section of invo	blved 7.5' topographic sheet.		
Photocopied section of involved Plan Approved by: Lic Comments: Prese	blved 7.5' topographic sheet.	any disturbe ons. Maintain 4	
Photocopied section of involved Plan Approved by: Lic Comments: Prese	had Doffeed 4 Mulch DSP regulat!	any disturbe ons. Maintain 4	
Photocopied section of involved Plan Approved by: Lic Comments: Prese	had Doffeed 4 Mulch DSP regulat!	any disturbe ons. Maintain 4	
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Photocopied section of involutional provided) Plan Approved by: Lic Comments: Prese Fro WV (5-n-s a	had Doff ed 4 Mulch DSP regulations necessary	any disturbe ons. Maintain &	d areas
Photocopied section of involutional provided) Plan Approved by: Lic Comments: Prese	had Doff ed 4 Mulch DSP regulations necessary	any disturbe ons. Maintain 4	d areas

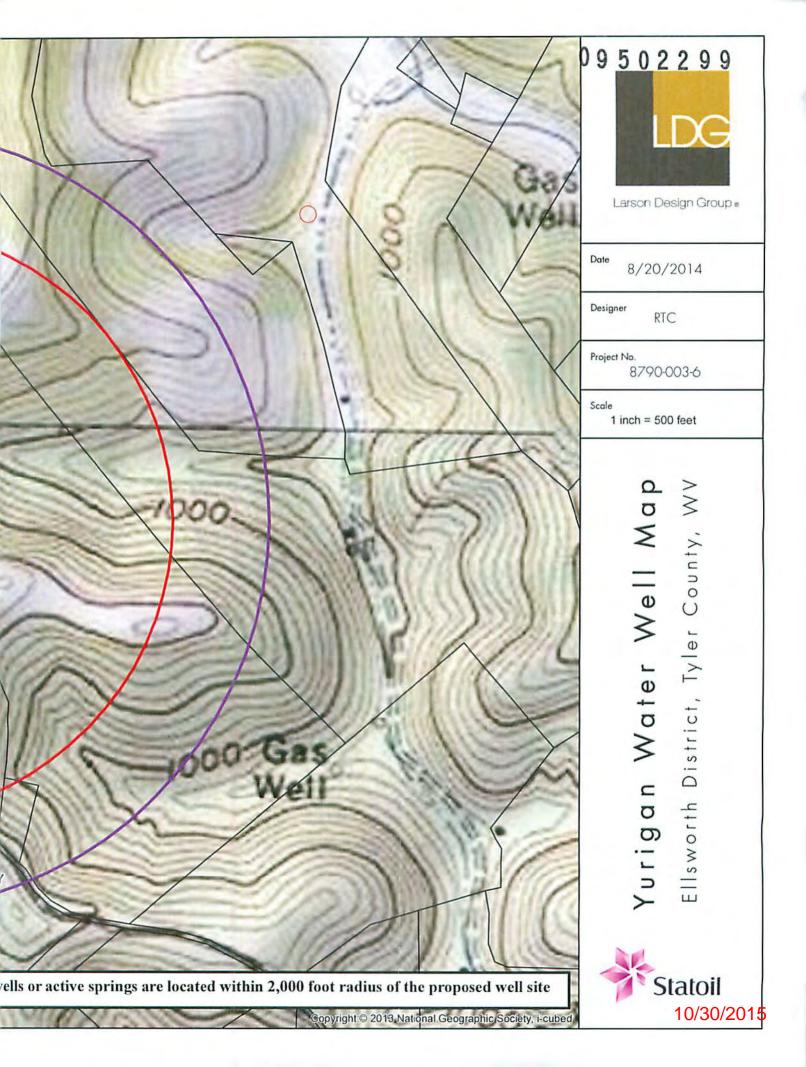


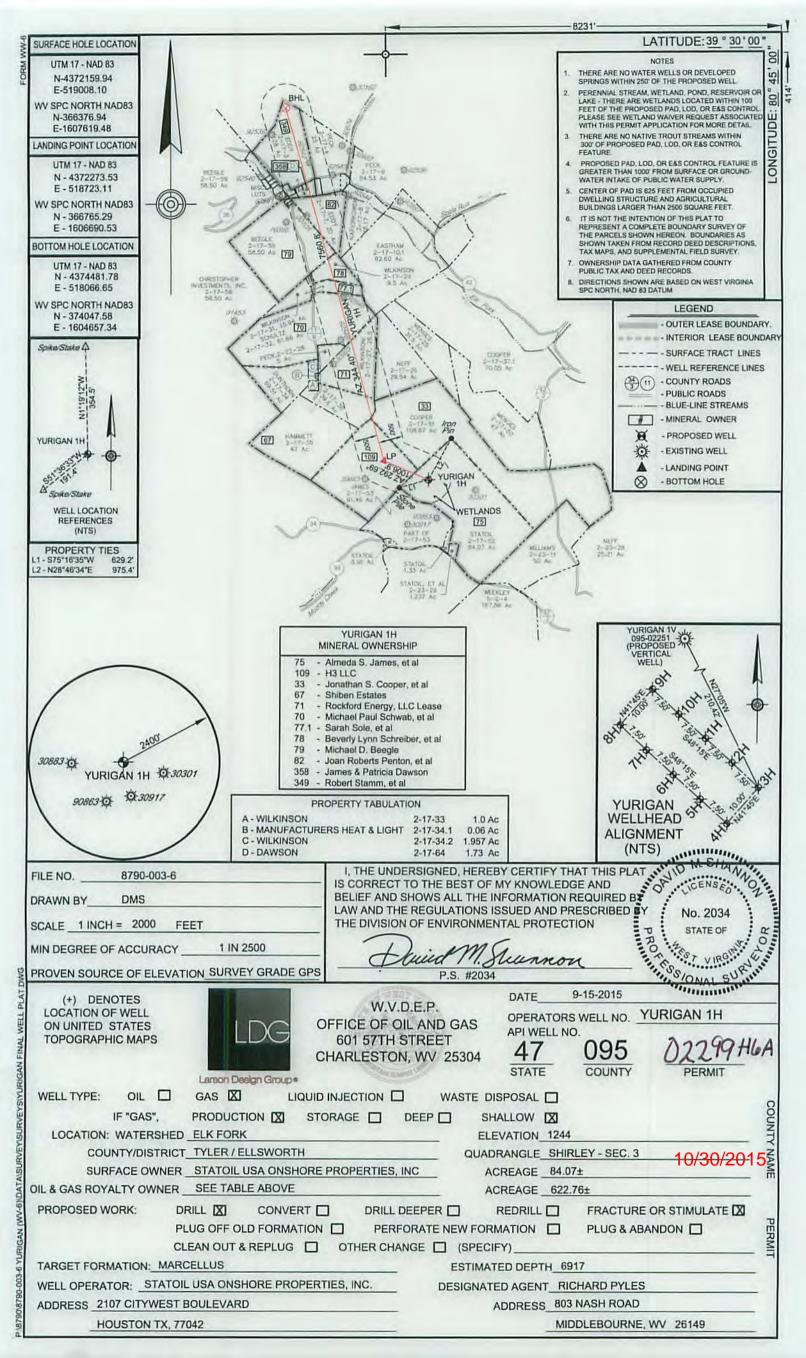
Yurigan Pad 1H - Site Safety Plan

Statoil USA Onshore Properties, Inc.

Michael Soff









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, 1 depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

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

Lease Name or Number

Grantor, Lessor, etc.

Grantee, Lessee, etc.

Royalty

Book/Page

(Please see Attachment for Details)

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

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

Received

- 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

Office of Oil & Gas

JUL 3 1 2015

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:

Its:

Sr. Regulatory Advisor

Page 1 of 4

09502299

Book / Page

Royalty

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

Grantor, Lessor

Yurigan 1H

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

Grantee, Lessee

TRACT #75

Lease Name or Number

Grantor, Lesson	Granitee, tessee	11010111	
Almeda S. James	PetroEdge Energy, LLC	At least 1/8	384/79
	Statoil USA Onshore Properties Inc.	Assignment	406/147
Rhonda F. Bruich	Statoil USA Onshore Properties Inc.	At least 1/8	460/296
Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
	PetroEdge Energy, LLC	At least 1/8	388/44
PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	406/147
Grantor, Lessor	Grantee, Lessee		Book / Page
Jonathan S. Cooper	PetroEdge Energy, LLC		381/205
Richard Neff and Sharon Neff,	PetroEdge Energy, LLC	At least 1/8	392/443
Husband and wife			
PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	406/147
<u>2</u>			
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မှ သိုကိ			
← Ganter, Lessor	Grantee, Lessee	Royalty	Book / Page
Shipe CEstates Inc.	PetroEdge Energy, LLC		387/483
ರ್ PegroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	406/147
ଦ୍ର			
يرز			
	Grantor, Lessor H3, LLC PetroEdge Energy, LLC Grantor, Lessor Jonathan S. Cooper Richard Neff and Sharon Neff, Husband and wife PetroEdge Energy, LLC Grantor, Lessor Jonathan S. Cooper Richard Neff and Sharon Neff, Husband and wife PetroEdge Energy, LLC Grantor, Lessor PetroEdge Energy, LLC PetroEdge Energy, LLC	Almeda S. James PetroEdge Energy, LLC Rhonda F. Bruich Grantor, Lessor H3, LLC PetroEdge Energy, LLC Statoil USA Onshore Properties Inc. Grantor, Lessor H3, LLC PetroEdge Energy, LLC Grantor, Lessor Grantee, Lessee Jonathan S. Cooper Richard Neff and Sharon Neff, Husband and wife PetroEdge Energy, LLC Grantor, Lessor Grantee, Lessee Jonathan S. Cooper Richard Neff and Sharon Neff, Husband and wife PetroEdge Energy, LLC Grantee, Lessee Jonathan S. Cooper Richard Neff and Sharon Neff, Husband PetroEdge Energy, LLC Grantee, Lessee PetroEdge Energy, LLC Statoil USA Onshore Properties Inc. Grantee, Lessee PetroEdge Energy, LLC Statoil USA Onshore Properties Inc. PetroEdge Energy, LLC Statoil USA Onshore Properties Inc.	Almeda S. James PetroEdge Energy, LLC Statoil USA Onshore Properties Inc. Rhonda F. Bruich Grantor, Lessor H3, LLC PetroEdge Energy, LLC Statoil USA Onshore Properties Inc. At least 1/8 Grantor, Lessor Grantee, Lessee Royalty PetroEdge Energy, LLC Statoil USA Onshore Properties Inc. Grantor, Lessor Grantee, Lessee Royalty Jonathan S. Cooper Richard Neff and Sharon Neff, Husband and wife PetroEdge Energy, LLC Statoil USA Onshore Properties Inc. Grantee, Lessee Royalty At least 1/8 At least 1/8

TRACT #71

Lease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
000115339-000	Rockford Energy, LLC	PetroEdge Energy, LLC	At least 1/8 th	389/847
N/A	PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	406/147
TRACT #70				
ease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
00115545-011	Michael Paul Schwab	PetroEdge Energy, LLC	At least 1/8 th	390/107
00115545-004	Darcey Lynn Ferrell	PetroEdge Energy, LLC	At least 1/8 th	387/706
1/A	PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	406/147
FRACT #77.1				
ease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
000115597-002	Sarah Sole, a widow	PetroEdge Energy, LLC	At least 1/8 th	387/51
,00113337 002	Life Estate Interest, Benjamin Hugh G	<u> </u>		
I/A	PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	406/147
000115306-047	Thelma E. Layfield	Statoil USA Onshore Properties Inc.	At least 1/8	468/40
TRACT #78	Country Lauren	Grantee, Lessee	Royalty	Book / Page
Lease Name or Number	Grantor, Lessor	Statoil USA Onshore Properties Inc.	At least 1/8	461/750
000115516-017	Beverly Lynn Schreiber Charlene Williams	Statoil USA Onshore Properties Inc.	At least 1/8	460/377
000115516-012 TRACT #79 © 3	Cualicue williams		•	
Lease Name or Number Q	Country Large	Grantee, Lessee	Royalty	Book / Page
<u> </u>	Grantor, Lessor Michael D. Beegle and	PetroEdge Energy, LLC	At least 1/8 th	387/407
000115632-000 1 Oii & Ceived	Sheila F. Beegle, husband and wife PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	406/147

436/1

TRACT #82

N/A

Lease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
000161552-003	Joan Roberts Penton	Statoil USA Onshore Properties Inc.	At least 1/8	466/840
000161552-014	Linda Carter	Statoil USA Onshore Properties Inc.	At least 1/8	469/74
TRACT #358				
Lease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
000130118-000		Dawson PetroEdge Energy, LLC	At least 1/8 th	396/373
000130110 000	husband and wife	<i>5 5</i> ,		
N/A	PetroEdge Energy, LLC	Statoil USA Onshore Properties Inc.	Assignment	408/66
TRACT #349				
Lease Name or Number	Grantor, Lessor	Grantee, Lessee	Royalty	Book / Page
000115490-002	Robert Stamm	PetroEdge Energy, LLC	At least 1/8 th	411/103
000115490-002	James Clark	PetroEdge Energy, LLC	At least 1/8 th	414/849

Statoil USA Onshore Properties Inc.

Assignment

Received
Office of Oil & Gas JUL 3 1 2015

PetroEdge Energy, LLC

YURIGAN ROAD CROSSING LETTERS - 7.06.2015

09502299

YURIGAN 1H - 11 75 109 says rec'd 67 71 70 77.1 78 79 82 358	-DSYED JGURM	complete 7.7.2015
349		

Received Office of Oil & Gas JUL 3 1 2015



09502299

MILLER LAW OFFICES, PLLC

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

* Also Admitted in Ohio
** Also Admitted in Illinois

ATTORNEYS AT LAW
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millerlawofficeswv@gmail.com
millerlawofficeswv.com

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

March 30, 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. 75
Title of John Wayne Weekley, et al.
to 84.069 acres oil and gas
Ellsworth District, Tyler County, West Virginia
Tax Map #2-17, parcel 52

ORIGINAL DRILLING TITLE OPINION

DESCRIPTION OF LANDS

Tract: Tax Map #2-17, parcel 52, containing 84.069 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 446, at page 233, 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 point in the center of Route 34, in a line of a tract of C. Campbell and from which a 5/8" steel rod is North 14° 10' 43" East 14.00 feet, thence six calls with Route 34;

North 72° 12' 24" West, a distance of 127.53 feet; thence

North 49° 23' 08" West, a distance of 92.74 feet; thence

North 43° 06' 08" West, a distance of 118.08 feet; thence Received

North 32° 43' 53" West, a distance of 114.78 dente of Gas

North 41° 13' 53" West, a distance of 101.74 feetle timerce

Joseph Vann Edwards [Unleased]	0.00151515	0.00151515
Vincent Mitchell Edwards [Unleased]	0.00151515	0.00151515
Carl F. Haught [Unleased]	0.00097403	0.00097403
Norman R. Haught [Unleased]	0.00097403	0.00097403
Ricky D. Haught [Unleased]	0.00097403	0.00097403
Louie W. Haught [Unleased]	0.00097403	0.00097403
Margaret L. Haught [Unleased]	0.00097403	0.00097403
Frances Joanne Kimble [Unleased]	0.00064935	0.00064935
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 LEASE

OIL AND GAS LEASES

L1.

DATE:	March 15, 2011 Office of Oil & Gas
FILED: RECORDED: LESSOR:	March 17, 2011 (Memorandum Pn 1) 2015 Deed Book 380, at page 552 (Memorandum Only) John Wayne Weekley, a married man dealing in his sole and separate property

Pacaivad

RADCLIFF PLLC

09502299

Patrick N. Radcliff Attorney at Law 1211 10th St. Vienna, WV 26105 Patrickradcliff@hotmail.com 304-295-6027

Date: June 5, 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. 109

Tax parcel No. (2)-17/53

60 Acres

Ellsworth District Tyler County, WV

FINAL DRILLING 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

The metes and bounds descriptions for said tracts are as follows:

Beginning at a C.O. on Laurel Run, a branch of Elk Fork Creek in a line of I. H. Drake and with his line N 45 E 100 poles to a stake; thence N 45 W 88 poles to a small hickory and stone; thence S 45 W 119 poles to a stone in a line of David Thompson and with the same S 58 E 90 poles to the beginning, containing 60 acres, more or less.

This description is subject to an accurate survey. See tax map attached as Exhibit Bas further reference.

JUL 3 1 2015

INTEREST COVERED	100% 09502299
PRIMARY TERM	5 years 09 3 0 2 2 3 0
SECONDARY TERM	The lease shall continue beyond the primary term for "as long thereafter as any leased minerals are produced in commercial quantities from the Premises or operations are underway on the Premises or lands unitized therewith or withdrawn from any part of the premise by Lessee.
ASSIGNMENTS	No assignments

Older Oil and Gas Lease 5.

DATE	May 6, 1913
FILED	May 6, 1913
RECORDED	54 DB 68
LESSOR	James S.Wade, Administrator DBN
LESSEE	Wheeling Natural Gas Co.
LANDS DESCRIBED	The subject tract described as a tract of 60 acres,
INTEREST COVERED	100%
PRIMARY TERM	5 years
SECONDARY TERM	The lease shall continue beyond the primary term for "as long thereafter as any leased minerals are produced in commercial quantities from the Premises or operations are underway on the Premises or lands unitized therewith or withdrawn from any part of the premise by Lessee.
ASSIGNMENTS	Assigned Manufacturer's Light & Heat Co. Gas rental reduced by agreement dated April 28, 1932, 105 DB 310, made by James s Wade, agent. Well Map Location and other information maintained by WV Dept of Mines indicates well drilled 1919, still active 1957.

Interests of State of State of WVA in Roads and Easements

The undersigned has personally reviewed the records available within the Office of the Clerk of the County Commission of Tyler County, WV, as well as those records available within the Office of the Circuit Clerk of Tyler County, WV, and based upon the same do hereby certify that 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.

Received
Office of Oil & Gas
JUL 3 1 2015

MILLER LAW OFFICES, PLLC

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

¹Also Admitted in Ohio ²Also Admitted in Illinois ²Also 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

304-366-0822 Fax: 304-366-0825

July 1, 2015

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

> Re: Road Crossing Letters Requirement Title Index No. 67 Title of Shiben Estates, Inc.

to 92.65005 acres oil and gas Ellsworth District, Tyler County, West

Ellsworth District, Tyler County, West Virginia Tax Map #17, parcels 33, 34, 34.1, 34.2, 35 and 36

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

Received
Office of Oil & Gas
JUL 3 1 2015



RADCLIFF PLLC

09502299

Patrick N. Radcliff Attorney at Law 1211 10th St. Vienna, WV 26105 Patrickradcliff@hotmail.com 304-295-6027

Date: December 7, 2014

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. 71
Tax parcel No. 17-27.28
Arthur Peck, 5 Acres
Beverly Sadler, 26-1/2 Acres

Ellsworth District Tyler County, WV

ORIGINAL DRILLING 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

Tract 1: 26-1/2 Acres

Tax Parcel No. 17-27, containing 26-1/2 acres, more or less, located in Ellsworth district, Tyler County. West Virginia, and more particularly described in Deed dated July 5, 1887, of record in Deed Book 12 at page 501, made by Milton Murray, et ux., to J. M. Tracy, as follows:

Beginning at a stone near the road, thence N. 44 E. 114 rods to a stone corner on ridge, thence S. 36 E. 4-1/2 rods to a stone, thence S. 2W. 100 rods to a stone in original line, thence N. 75 W. Color to a Sugar Tree below the road, thence N. 2E. 10-1/2 rods to the place of beginning, contenting of Dilles, Gas

JUL 3 1 2015

Recorded: 28Deed Book 553 Lessor: J. M. Tracy, et ux. Lessee:

S.L.S. Spragg

Tract Description: 27 acres believed to be the subject 26-1/2 acre tract

Primary Term: 5 years

Last Recorded Owner: Reported by S & A abstractor: Chester Oil Co. and Tri State Gas Co

09502299

Abstractor does not report any release of record. Releases:

Older oil and gas lease No.2 (OL.2)

Date: October 6, 1897 Filed: October 8, 1897 Recorded: 34 Deed Book 436 J.M. Tracy, et ux. Lessor: Treat & Crawford. Lessee: Tract Description: Subject 5 acre tract

5 years Primary Term:

Last Recorded Owner: Abstractor does not any report assignments of record Releases: Abstractor does not report any release of record

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.

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

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

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

Encumbrances

Taxes

Received 2015 taxes are a lien, although not yet due, ascertainable or payable. Office of Oil & Gas

2014 taxes are a lien paid upon the following unpaid assessments appearing in 194 22115 Land Book:

MILLER LAW OFFICES, PLLC

09502299

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

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millerlawofficeswv@gmail.com

millerlawofficeswv.com

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

July 1, 2015

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

Re: Road Crossing Letters Requirement
Title Index No. 70
Title of Charles Robert Ferrell, et al.
to 61.66 acres oil and gas
on the waters of Elk Fork Creek, Ellsworth District
Tyler County, West Virginia
Tax Map #17, Parcel 32

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 Received
Office of Oil & Gas

JUL 3 1 2015

09502299

MILLER LAW OFFICES, PLLC

KENNETH R. MILLER
KENNETH ALEXANDER MILLER IT'
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

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

July 1, 2015

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

Re: Road Crossing Letters Requirement
Title Index No. 77.1
Title of Statoil USA Onshore Properties, Inc.
to 5 acres oil and gas
on the waters of Laurel Run of Elk Fork Creek
Ellsworth District, Tyler County, West Virginia
Tax Map #17, p/o Parcel 31

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

Received
Office of Oil & Gas

JUL 3 1 2015

MILLER LAW OFFICES, PLLC

KENNETH R. MILLER
KENNETH ALEXANDER MILLER II*

•Also Admitted in Ohio

ATTORNEYS AT LAW

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millerlawofficeswv@gmail.com

millerlawofficeswv.com

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

February 20, 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. 78

Title of Beverly Lynn Schreiber, et al.

To 9.5 acres oil and gas

Waters of Laurel Run, Ellsworth District

Tyler County, West Virginia

Tax Map #17, parcel 29

ORIGINAL DRILLING TITLE OPINION

DESCRIPTION OF LANDS

<u>Tract</u>: Tax Map #17, parcel 29, containing 9.5 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 89, at page 467, 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 Laurel Run, Ellsworth District, in the County of Tyler, State of West Virginia, and is described as follows:

Beginning at a stone, by the County Road, where said road passes the farm of Joseph Johnston; thence North 70 East, 17 ½ rods to a stone by a drain; thence South 79° East 4 rods to a stone; thence South 83 3/4 East 39 4/5 rods to a stone in the Yankee line; thence North 42° West 53 2/5 rods to a stone; thence South 47° West 40 rods to a stone above the road; thence South 23° East 17 rollegaived place of beginning, containing nine and one half (9.5) acres more well as Case.

JUL 3/1 2015

Walter M. Garrison III (.00714286 x .17) [L7]	0.0000000	0.00121428
Karen Sue Thompson (.00714286 x .17) [L7]	0.0000000	0.00121428
Gladys Berry (.00714286 x .17) [L7]	0.0000000	0.00121428
Trudy Puccio (.00714286 x .17) [L7]	0.0000000	0.00121428
Emma Jo Kolek (.00714286 x .17) [L7]	0.0000000	0.00121428
TOTAL	1.0000000	1.000000

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: March 29, 2011

FILED:

April 13, 2011 (Memorandum Only) Deed Book 381, at page 262 (Memorandum RECORDED: Office of Oil & Gasy)

LESSOR: Hilda Ruth Cunningham

LESSEE: PetroEdge Energy, LLC

9.5 acres, being Tax Map 2-14U293.1 local LANDS DESCRIBED:

Ellsworth District, Tyler County, West

Virginia





09502299

OIL, GAS & MINERAL LAW

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

June 25, 2014

Statoil North America, Inc. 2103 CityWest Boulevard, Suite 800 Houston, TX 77042 Tyn = 79

Attention:

Mr. Joshua S. Ozment

Re:

Michael D. Beegle, et ux 54.5 Acre Tract out of Ellsworth District in Tyler

County, West Virginia (Tax Parcel No. 2-17-59)

ORIGINAL DRILLING TITLE OPINION

DESCRIPTION OF LANDS

Tax Parcel No. 2-17-59, containing 54.5 acres, more or less, out of Ellsworth District in Tyler County, West Virginia, and being the same land described in a Deed, dated September 18, 2006, from Michael D. Beegle to Michael D. Beegle and wife, Sheila F. Beegle, recorded in Book 352, Page 219, 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 January 1, 1830 through and including March 3, 2014 in Tyler County, West Virginia (the "Title Runsheet");
- 2. The public records of Tyler County, West Virginia ("Records") for the period from January 1, 1830 through and including March 3, 2014, but only insofar as the same includes those documents set forth on the above described Title Runshage coited pertain to the Subject Lands;

JUL 3 1 2015

- 3. Copies of Tax Receipts, dated February 12, 2014, issued by Tyler County Sheriff's Tax Office, Tyler County, West Virginia, relative to the interest of BEEGLE MICHAEL D. & SHEILA F., covering PARCEL: 02-17-00590000 for tax years 2008 through 2013 as same pertain to the Subject Lands;
- 4. Copies of Tax Receipts, dated February 12, 2014, issued by Tyler County Sheriff's Tax Office, Tyler County, West Virginia, relative to the interest of BEEGLE MICHAEL D, covering PARCEL: 02-17-00590000 for tax years 2003 through 2007, as same pertain to the Subject Lands;
- 5. Copy of an unrecorded Oil and Gas Lease, dated September 19, 2011, from Michael D. Beegle and wife, Sheila F. Beegle, to PetroEdge Energy LLC, a Memorandum of which is recorded in Book 387, Page 407, Office of the Clerk of the County Commission, Tyler County, West Virginia; and
- 6. 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 March 3, 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.

Office of Oil & Gas

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09502299

MILLER LAW OFFICES, PLLC

KENNETH R. MILLER
KENNETH ALEXANDER MILLER II*

*Also Admitted in Obio

A'ITORNEYS 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

December 19, 2014

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

Re: Title Index No. 82
Title of Mary Ann Ketelsen, et al.
to 20.00 acres oil and gas,
waters of Elk Horn Creek, Ellsworth District
Tyler County, West Virginia
Tax Map #17, p/o parcel 7

ORIGINAL DRILLING TITLE OPINION

DESCRIPTION OF LANDS

<u>Tract</u>: Tax Map #2-17, p/o parcel 7, containing 20.00 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 323, at page 22, in Tyler County, West Virginia.

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

Beginning at a stone by the county road; thence S. 40° E. 98 ½ poles to a stone in Yankey line; N. 7° E. 80 1/5 poles to a stone on creek bank; N. 70° W. 6 poles to a stone at the mouth of Board Tree Run, corner to lands of C. M. Wilcox; S. 84° W. 67 ½ poles to the place of beginning, containing 20 acres of land, more or less.

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

Liese Zielasko	0.0010417	0.0010417
Brefka Linda Zielasko	0.0010417	0.0010417
Killingsworth	0.0010417	0.0010417
Frances Dean	0.0125000	0.0125000
		
Joan Schick	0.0125000	0.0125000
Lloyd Leslie	0.0125000	0.0125000
Roberts, Jr.		
Lola Kaminsky	0.0125000	0.0125000
S. D. Roberts Moore	0.0250000	0.0250000
Patricia M. Myers	0.0250000	0.0250000
James Hamilton	0.0250000	0.0250000
M. Susan Moore	0.0250000	0.0250000
Gilbert R. Eddy	0.0000000	0.01875
(Life Estate) and		
Ronald Lee Eddy and		
Cynthia Jane Eddy,		
as joint tenants		
with right of		
survivorship		
(Remaindermen)		
(0.125 x .15) [L3]		
Sarah Sole (Life	0.0000000	0.02125
Estate) and		
Benjamin H. Garner		
(Remainderman)		
(0.125 x .17) [L4]		
TOTAL	1.0000000	1.0000000

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 Of Oil & Gas

Unless otherwise noted, all references to Books, Pages and 12005 rument Numbers in this Opinion shall refer to those located in the office of the Clerk of the County Commission of Tyler County, West Virginia.

09502299

MILLER LAW OFFICES, PLLC

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

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

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

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

July 1, 2015

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

> Road Crossing Letters Requirement Title Index No. 358 Title of James Dawson, et ux. to 1.73593750 acres oil and gas waters of Elk Fork of Point Pleasant Creek Ellsworth District, Tyler County, West Virginia Tax Map #17, parcel 64

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,

Received Alex Miller Office of Oil & Gas

JUL 3 1 2015

MILLER LAW OFFICES, PLLC

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

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FAIRMONT, WEST VIRGINIA 26554

millerlawofficeswv@gmail.com

millerlawofficeswv.com

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

July 1, 2015

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

Re: Road Crossing Letters Requirement Title Index No. 349

Title of Oxy USA Inc. et al. To 24.89 acres oil and gas

Ellsworth District, Tyler County, West Virginia

Tax Map #17, p/o parcel 3

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

Received
Office of Oil & Gas

JUL 3-1 2015

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE CERTIFICATION 0 9 5 0 2 2 9 9

Date of Notice Certification: 07/29/2015		AF	API No. 47			
		Ор	erator's	Well No. 1H		
		W	ell Pad N	ame: Yurigan		
Notice has b						
	e provisions in West Virginia Code	§ 22-6A, the Operator has provide	ed the req	uired parties w	ith the Notice Forms listed	
	tract of land as follows:	_	_			
State:	West Virginia		sting:	519008.10		
County:	Tyler		orthing:	4372159.94 CR 11 & 34/3		
District:	Elisworth					
Quadrangle:	Shirley - Sec. 3	Generally used farm name: Yurigan Farm		Yurigan Farm	<u> </u>	
Watershed:	Elk Fork					
it has provide information re of giving the requirements Virginia Code	the secretary, shall be verified and ed the owners of the surface descequired by subsections (b) and (c), surface owner notice of entry to so subsection (b), section sixteen e § 22-6A-11(b), the applicant shall have been completed by the applic	ribed in subdivisions (1), (2) and section sixteen of this article; (ii) the survey pursuant to subsection (a), of this article were waived in write tender proof of and certify to the section.	(4), subs nat the rec section t iting by	ection (b), sec quirement was en of this artic the surface ow	tion ten of this article, the deemed satisfied as a resul- cle six-a; or (iii) the notice ner; and Pursuant to Wes	
that the Ope	West Virginia Code § 22-6A, the Crator has properly served the requi		Notice C	ertification	OOG OFFICE USE	
•PLEASE CHE	ECK ALL THAT APPLY				ONLY	
☐ I. NOT	TICE OF SEISMIC ACTIVITY of	n I NOTICE NOT REQUIRED SEISMIC ACTIVITY WAS CO			RECEIVED/ NOT REQUIRED	
■ 2. NO	TICE OF ENTRY FOR PLAT SUR	VEY or D NO PLAT SURVEY	WAS CO	ONDUCTED	☐ RECEIVED	
☐ 3. NO	TICE OF INTENT TO DRILL 0	NOTICE NOT REQUIRED NOTICE OF ENTRY FOR PLAWAS CONDUCTED or			☐ RECEIVED/ NOT REQUIRED	
		WRITTEN WAIVER BY (PLEASE ATTACH)	SURFA	CE OWNER		
■ 4. NO	TICE OF PLANNED OPERATION	1			☐ RECEIVED	
■ 5. PUE	BLIC NOTICE				☐ RECEIVED	
■ 6. NO	TICE OF APPLICATION				☐ 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 percenting class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under the code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

Certification of Notice is hereby given:

, have read and understand the notice requirements within West Virginia Code § 22-THEREFORE, I Bekki Winfree 6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator: Statoil USA Onshore Properties Inc.

By:

Bekki Winfree/ Bekki Wing

Its:

Sr. Regulatory Advisor

Telephone:

713-485-2640

WALLY ANTHONY STUKA My Commission Expires April 16, 2017

Address: 2103 City West Boulevard, Suite 800

Houston, TX 77042

713-918-8290 Facsimile:

Email:

BEKW@Statoil.com

Subscribed and sworn before me this 27 day of July, 2015

What Motary Public

My Commission Expires

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.

STATE OF WEST VIRGINIA 0 9 5 0 2 2 9 9 DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF INTENT TO DRILL

WAIVER

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.

	-			
Sur	face	Owner	Wa	iver

I, Statoll USA Onshore Properties Inc. , hereby state that I have read the notice provisions listed above and hereby waive the notice requirements under West Virginia Code § 22-6A-16(b) for the tract of land as follows:

State:	West Virginia	UTM NAD 83	Easting:	519008.10
County:	Tyler	UTM NAD 83	Northing:	4372159.94
District:	Ellsworth	Public Road Acc	cess:	CR 11 and 34/3
Quadrangle:	Shirley - Sec. 3	Generally used f	arm name:	Yurigan Farm
Watershed:	Elk Fork			
Name: Statoil U	JSA Onshore Properties Inc.	Signature	July Con	Bull
Address: 2103	CityWest Blvd, Suite 800			
Houston, Texas 7		Date: 07/21/	2015	

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.

API NO. 47-OPERATOR WELL NO. Yurigan 1H
Well Pad Name: YURIGAN

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: 07/22/2015 Date Permit Application Filed: 07/30/2015 Notice of: PERMIT FOR ANY ☐ CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT WELL WORK Delivery method pursuant to West Virginia Code § 22-6A-10(b) ☐ PERSONAL ☐ REGISTERED ☑ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION **SERVICE** MAIL 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 crosion 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: COAL OWNER OR LESSEE FI SURFACE OWNER(s) Name: See Attachment Name: Statoil USA Onshore Properties Inc. Address: 2103 CityWest Bivd. Suite 800 Address: _____ Houston, Texas 77042 COAL OPERATOR Name: Name: Address: Address: SURFACE OWNER(s) (Road and/or Other Disturbance) SURFACE OWNER OF WATER WELL Name: AND/OR WATER PURVEYOR(s) Address: Name: None within 2,000 feet Address: Name: Address: **OPERATOR OF ANY NATURAL GAS STORAGE FIELD** Name: SURFACE OWNER(s) (Impoundments or Pits) Received *Please attach additional forms if necessary 2015 Address: Name: Address:

OPERATOR WELL NO. Yurigan 1H Well Pad Name: YURIGAN

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/oiland-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 wellmeat 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 stattical waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this rection, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Glean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

API NO. 40. 9 5 0 2 2 9 9

OPERATOR WELL NO. Yurigan 1H

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

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:

drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

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

Written Comment:

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

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

Received
Office of Oil & Gas

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.

API NO. 07-5 0-2 2 9 9
OPERATOR WELL NO. Yungan 1H
Well Pad Name: YURIGAN

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.

OPERATOR WELL NO. Yurigan 1H Well Pad Name: YURIGAN

Notice is hereby given by:

Well Operator: STATOIL USA ONSHORE

Telephone: 713-918-8200

Email: BEKW@Statoil.com Jak Wil 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 30 day of July, 2015

Wiley Auly To Notary Public

My Commission Expires April 16, 2017

WW-6A4W (1/12) Operator Well No. Yurigan 1H

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

WAIVER

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.

State:	ments under West Virginia Code West Virginia		Easting:	519008.10
County:	Tyler	UTM NAD 83	Northing:	4372159.94
District:	Ellsworth	Public Road Acc	cess:	CR 11 and 34/3
Quadrangle:	Shirley - Sec. 3	Generally used	farm name:	Yurigan Farm
Watershed:	Elk Fork			
Name: Statoil I	USA Onshore Properties Inc.	Signature	will	Buly
Address: 2103 CityWest Blvd. Suite 800			and the second	
Houston, Texas 77042		Date: 07/21	/2015	

Oil and Gas Privacy Notice:

Surface Owner Waiver:

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

YURIGAN 1H - OWNERS ATTACHMENT

Coal Owners - 62

John Wayne Weekley Route 1, Box 352 New Martinsville, WV 26155

Denver E. Haught 112 Winters Drive Ripley, WV 25271

Patricia Carol Fonner 520 Ashwood Drive Newport News, VA 23602

Linda Kathryn Lee 1292 Edgefield Road York, SC 29745

Norma Louise Franks 4 West Askren Street Uniontown, PA 15401

Carolyn Williams
Route 1, Box 354
Middlebourne, WV 26149

Ernest E. Black Rural Route 3, Box 209 ✓ Wheeling, WV 26003

Jacqueline H. Posey 44 Center Avenue Wheeling, WV 26003

Robert E. Weekley 3842 Quaker Ridge Street Zephyr Hills, FL 33542

Almeda S. James
1009 North Breens Bay Road
Oconomowoc, WI 53066

Duane Clark HC 69, Box 6 Alma, WV 26320 Office to pil & Gas
JULIA 132432015

Mark A. Schafer 8793 Stonehenge Circle Pickerington, OH 43147

Gail A. Mason 41 Snowmass Court O'Fallon, MO 63368

Cynthia M. Sax (Schafer) 12029 Rutherglen Place Bristow, VA 20136

David C. Schafer 9393 Deer Ridge Mentor, OH 44060

James F. Clark 111 Shasta Cove Georgetown, TX 78628

Sharon E. Fonnest 1543 North Main Street Niles, OH 44446

Mark Fletcher 501 4th Street Middlebourne, WV 26149

Michael C. Fletcher 344 Caines Boulevard Winchester, KY 40391

Matthew C. Fletcher 764 Virginia Road Marion, NC 28752

Lewis A. Clark 7115 Merrimac Drive McLean, VA 22101

Mary Elizabeth Clark 118 Rebrook Street Clarksburg, WV 26301

Karen Lynch 667 Raymond Drive Lewiston, NY 14092

Edward Lynch 4561 Townline Road / Ransonville, NY 14131

Mary Jean Buddenhagen 6824 Grauer Road Niagara Falls, NY 14305

Thomas Lynch 667 Raymond Drive Lewiston, NY 14092

Michael Lynch 816 22nd Street Niagara Falls, NY 14301

Virginia Irene Patton 10850 Green Mountain Circle, Unit 411 Columbia, MD 21044-2478

Deborah Mann 4455 Taylor Drive Niagara Falls, NY 14304

Holly Hill Campbell 101 Tudor Drive Williamsburg, VA 23188

Brown Memorial Park Avenue V United Presbyterian Church 1316 Park Avenue Baltimore, MD 21217

Helen Gaull Boyll 50 Capron Street Danielson, CT 06239

John J. Lynch 602 78th Street Niagara Falls, NY 14304

Clyde B. Ross, Jr. State Route 534, Box 134 Damascus, OH 44619

Randy Caplinger 6204 Larkhall Drive Madison, OH 44057

Sandra K. Haught Byham 19643 Arthur Street #205C Meadville, PA 16335

Nichole J. Tremblay 1820 Mohawk Avenue Warren, PA 16365

Kevin R. Kiser 20790 Route 6 Warren, PA 16365

John R. Kiser 96 Pleasant Drive Warren, PA 16365

Kit A. Kiser 303 Wilderness Trailer Park Clarendon, PA 16313

Norman L. Kiser 4603 Buffalo Road, Apartment 4 Erie, PA 16510

Jean Ann Gaul 211 49th Avenue West Bradenton, FL 34207

John Frederick Gaul 211 49th Avenue West Bradenton, FL 34207

Lisa Hare Cutchin 6104 Spring Meadow Lane Frederick, MD 21701

Douglas Morrison Padrutt 4503 SAucon Valley Court Alexandria, VA 22312

James Lynch 2930 Ontario Avenue Niagara Falls, NY 14305

Lura Padrutt Griffiths 4515 SE 30th Avenue Portland, OR 97202

Rhonda F. Bruich 154 Owings Street Weirton, WV 26062

Robert Alan Ross 213 Louise Lane Toano, VA 23168

Richard Harold Ross 8810 Pocahontas Trail, Trailer 44 Williamsburg, VA 23185

Roger W. Ross 364 Lynchburg Drive Newport News, VA 23606

Ronald Paul Ross 16852 Polish Town Road Lanexa, VA 23089

James Madison University 605 Port Republic Road Harrisonburg, VA 22801

Christine Gay
5010 Toucan Lane
Kernersville, NC 27284

Joseph Vann Edwards 75 Salem Drive Pinehurst, NC 28374

Vincent Mitchell Edwards 416 Charleston Drive V Clayton, NC 27527

Carl F. Haught 815 Mitchell Street Calvert, TX 77837

Norman R. Haught 14769 S. Norrisville Road Meadville, PA 16335

Ricky D. Haught 18337 Southwood Drive Meadville, PA 16335

Louie W. Haught 1045 Menis Road Weimar, TX 78962

Margaret L. Haught 17223 Kiowa River Lane Houston, TX 77095

Frances Joanne Kimble 103 Field Court Harbinger, NC 27941 WW-6A3 (1/12)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

	Requirement:	Notice shall be prov	ided at least SEVEN (7) days but no n	nore than	FORTY-FIVE (45) days prior to
entry Date of Notic	e: 3/18/2014	Date of Plan	nned Entry: 3/25/2014		
		to West Virginia C			
	_				t decided
☐ PERSO		REGISTERED	METHOD OF DELIVERY TO		
SERVIC	EΕ	MAIL	RECEIPT OR SIGNATURE O	CONFIRM	IATION
on to the surfi but no more to beneath such owner of min- and Sediment Secretary, wh	ace tract to cond han forty-five d tract that has fil erals underlying Control Manua ich statement sl	duct any plat surveys lays prior to such ent led a declaration pur g such tract in the co al and the statutes an	rior to filing a permit application, the a required pursuant to this article. Such ry to: (1) The surface owner of such tr suant to section thirty-six, article six, cannot tax records. The notice shall incled rules related to oil and gas exploration formation, including the address for a secretary.	notice she ract; (2) to chapter two ude a state on and pro	all be provided at least seven days any owner or lessee of coal seams enty-two of this code; and (3) any ement that copies of the state Erosion duction may be obtained from the
Notice is her	eby provided t	o:			
■ SURFAC	CE OWNER(s)		COAL OWNER	OR LES	SEE
Name: James J	loseph Yurigan, Jr.		Name: James Joseph Yur	Name: James Joseph Yurigan, Jr.	
Address: 3169	Main Street Weirton	, WV 26062	Address: 3169 Main Stre	eet Weirton, V	W 26062
N William	J. & Almeda James		-		-
		Oconomowoc, WI 53066	■ MINERAL OW	NER(s)	
ridaress			Name: Almeda S. James		
Name:			Address: 1009 Breemsw	ray Road Oco	nomowoc, WI 53066
Address:			**Additional Documents Attac		V
			*please attach additional f	forms if nece	ssary
a plat survey State: County:	est Virginia Co	ode § 22-6A-10(a), nand as follows:	otice is hereby given that the undersig Approx. Latitude & Lon Public Road Access:	igitude:	Lat 39.498866 Long -80.778994 CR 34
District:	Ellsworth District		Watershed:	_	Middle Ohio North
Quadrangle:	Shirley		Generally used farm nan	ne:	Yurigan Farm
may be obtain Charleston, W obtained from	ned from the Se VV 25304 (304	cretary, at the WV I -926-0450). Copics by visiting <u>www.de</u> p	Manual and the statutes and rules related and rules related and the statutes and rules related and rules related and rules related and such documents or additional information	n headqua mation rel	arters, located at 601 57th Street, SE,
Well Operato		ONSHORE PROPERTIES IN	c. Address: 2103 CITYV	VEST BLVD. S	STE. 800 HOUSTON, TX 77042
Telephone:	713-918-8200			Rec	eived
Email:	BEKW@STATO	IL.COM	Facsimile: 713-918-82	Pring O	f Oil & Gas
Oil and Gas	Privacy Not	ice:		JUL	3 1 2015

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.

Additional Mineral Owner(s):

09502299

Brown Memorial Park Avenue Presbyterian Church 1316 Park Avenue
Baltimore, Maryland 21217

C. Rhadine Ross 2462 Kings Creek Road Weirton, WV 26062

Carolyn Williams Rt. 1, Box 354 Middlebourne, WV 26149

Clyde Ross Jr. St. Rt. 534 Box 134 Damascus, Ohio 44619

David and Sandra L. Schafer 9393 Deer Ridge Drive Mentor, Ohio 44060

Deborah Mann 4455 Taylor Drive Viagara Falls, NY 14304

Denver E. Haught 112 Winters Drive Ripley, WV 25271

Douglas Morrison Padrutt 4503 Saucon Valley Court Alexandria, VA 22312

Duane Clark HC 69, Box 6 Alma, WV 26320

Edward Lynch 4561 Townline Road Ransonville, NY 14131

Ernest E. Black RR 3 Box 209 Wheeling, WV 26003

09502299

Gail A. and Richard W. Mason 41 Snowmass Court O'Fallon, Missouri 63368

Helen Gaul Boyll
Assisted Living Home
c/o Westcott- Wilcox Home
50 Capron Street
Danielson, Connecticut 06239

Holly Hill Campbell 101 Tutor Drive Williamsburg, VA 23188

Jacqueline H. Posey 44 Center Avenue Wheeling, WV 26003

James Clark
111 Shasta Grove
Georgetown, Texas 78628

James Lynch 2930 Ontario Avenue Niagara Falls, NY 14305

James Madison University 605 Port Republic Road Harrisonburg, VA 22801

Jean Ann Gull 211 49th Avenue West Bradenton, FL 34207

Jean Isabel Hare c/o Lisa Cutchin, POA 6104 Spring Meadow Lane Frederick, Maryland 21701

John Frederick Goul 211 49th Avenue West Bradenton, FL 34201

John J. Lynch 602 78th Street Niagara Falls, NY 14304

Yurigan 1H - WW-6A3 Attachment

John Kiser 96 Pleasant Drive Warren, PA 16365

1

09502299

John Wayne Weekly Rt. 1, Box 352 New Martinsville, WV 26155

Karen Lynch 667 Raymond Drive Lewiston, NY 14092

Kevin Kiser 20790 Route 6 Warren, PA 16365

Kit Kiser 303 Wilderness Trailer Part Clarendon, PA 16313

Lewis Clark
3210 Kingston Place

✓
Dulle, Virginia 20189

Linda Kathryn Lee 1292 Edgefield Road York, SC 29745

Lura Marjorie Padrutt 4154 Royal Court Portland, OR 97232

Mark and Kelly Schafer 8793 Stonehenge Circle Pickerington, Ohio 43147

Mary Elizabeth Clark 118 Rebrook Street Clarksburg, WV 26301

Mary Jean Buddenhagen 6824 Graver Road Niagara Falls, NY 14305 719-545-5709

Michael Lynch 862 22nd Street Niagara Falls, NY 14301 Received Office of Oil & Gas JUL 3 1 2015

3 | Page

Nichole Trembly 1820 Mohawk Avenue Warren, PA 16365

Norma Fletcher P. O. Box 212 Middlebourne, WV 26149

Norma Louise Franks 4 W. Askren Street Uniontown, PA 15401

Norman L. Kiser 4603 Buffalo Road Apartment 4 Erie, PA 16510

Patrica Carol Fonner 520 Ashwood Drive Newport News, VA 23612

Randy Caplinger 6204 Larkhill Drive Madison, Ohio 44057

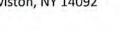
Robert Ernest Weekley 3842 Quaker Ridge Street Zephyr Hills, FL 33542

Sam and Cynthia Sax 12029 Rutherglen Place Bristol, Virginia 20136

Sandra K. Haught Byham 19643 Arthur Street #205C Meadville, PA 16335

Sharon E. Fonnert 1543 N. Main Street Niles, Ohio 44446

Thomas Lynch 667 Raymond Drive Lewiston, NY 14092





09502299

Virginia Irene Patton 10850 Green Mountain Circle #411 Columbia, Maryland 21044

WW-6A5 (1/12)

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

Notice Time I Date of Notic	Requirement: notice shall be provided e: 07/27/2015 Date Permit	no later than the filing of Application Filed:	date of permit : 7/29/15	application.
Delivery metl	hod pursuant to West Virginia Code	§ 22-6A-16(c)		
CERTIF	FIED MAIL	HAND		
	N RECEIPT REQUESTED	DELIVERY		
return receipt the planned o required to be drilling of a l damages to th (d) The notice of notice. Notice is here	requested or hand delivery, give the superation. The notice required by this provided by subsection (b), section tentorizontal well; and (3) A proposed subsection and gas operates required by this section shall be given by provided to the SURFACE OWN	reface owner whose land s subsection shall include n of this article to a surface use and compens tions to the extent the da en to the surface owner a NER(s)	will be used for le: (1) A copy ace owner whos ation agreemen mages are comp	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information e land will be used in conjunction with the t containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time
(at the address	s listed in the records of the sheriff at the	he time of notice):		
	SA Onshore Properties Inc.	Name: Address		
Houston, Texas 7	CityWest Blvd, Suite 800	Address		
Pursuant to W operation on State:	est Virginia Code § 22-6A-16(c), notion the surface owner's land for the purpose West Virginia	se of drilling a horizonta	I well on the tra	ict of land as follows:
County:	Tyler	UTM NAD 8	Northing:	4372159.94
District:	Ellsworth	Public Road	Access:	CR 11 and CR 34/3
Quadrangle:	Shirley - Sec. 3	Generally use	ed farm name:	Yurigan Farm
Watershed:	Elk Fork			
Pursuant to W to be provide horizontal we surface affect information r	ed by W. Va. Code § 22-6A-10(b) to ell; and (3) A proposed surface use and ted by oil and gas operations to the expelated to horizontal drilling may be collocated at 601 57th Street, SE, Cl	a surface owner whose d compensation agreeme stent the damages are contained from the Secret	e land will be un nt containing ar compensable und tary, at the WV	code section; (2) The information required used in conjunction with the drilling of a noffer of compensation for damages to the der article six-b of this chapter. Additional Department of Environmental Protection or by visiting

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 thic of 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.

Operator Well No. Yurigan 1H

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

WAIVER

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.

	ments under West Virginia Cod West Virginia		Easting:	519008.10
State:	Tyler	UTM NAD 83	Northing:	4372159.94
County: District:	Ellsworth	Public Road Acc	-	CR 11 and 34/3
Quadrangle:	Shirley - Sec. 3	Generally used	farm name:	Yurigan Farm
Watershed:	Elk Fork			
Name: Statoil t	JSA Onshore Properties Inc.	Signature	tula	Buly
Address: 2103	CityWest Blvd Suite 800		146 -	
Houston, Texas 7	7042	Date: 07/21	/2015	(-)

Oil and Gas Privacy Notice:

Surface Owner Waiver:

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 awv.gov.



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

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

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

July 14, 2015

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

Subject: DOH Permit for the Yurigan Pad Tyler County Yurigan 1H

Dear Mr. Martin,

Earl Ray Tomblin

Governor

The West Virginia Division of Highways has issued Permit # 06 -2014-0554 for the subject site to Statoil USA Onshore Properties Inc. for access to the State Road for the well site located off of Tyler County Route 34 SLS.

The operator has signed a STATEWIDE OIL AND GAS ROAD MAINTENANCE. BONDING AGREEMENT and provided the required Bond. This operator is Company in the BONDING AGREEMENT and provided the required Bond. This operator is Company in the BONDING AGREEMENT and provided the required Bond. This operator is Company in the BONDING AGREEMENT and provided the required Bond. This operator is Company in the BONDING AGREEMENT and provided the required Bond. This operator is Company in the BONDING AGREEMENT and provided the required Bond. This operator is Company in the BONDING AGREEMENT and provided the required Bond. This operator is Company in the BONDING AGREEMENT and provided the required Bond. compliance with the DOH OIL AND GAS POLICY dated January 3, 2012. JUL 3 1 2015

Very Truly Yours,

Gary K. Clayton Regional Maintenance Engineer

Day K. Clayton

Central Office Oil & Gas Coordinator

Cc: Courtney Battle

Statoil USA Onshore Properties Inc.

CH, OM, D-6

File

Frac Additives

Ethylene Glycol

09502299

BIO C	LEAR	2000
-------	------	------

DIO G	LLAN 2000		
	Components	CAS#	
	Polyethylene Glycol	25322-68-3	
	2,2-dibromo-3-nitrilopropionamide	10222-01-2	
BUFFE	ER .		
	Sulfamic Acid	5329-14-6	
ACID			
	Hydrochloric Acid	7647-01-0	
BREA	KER		
	Sucrose	57-50-1	
	Ethylene Glycol	107-21-1	
INHIB	ITOR		
	Ethoxylated Nonyiphenol	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	Received Office of Oil & Gas
SCALE	INHIBITOR		JUL 3 1 2015

107-21-1

09502299

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



YURIGAN (02-006) WELL PAD SITE

SITE DESIGN AND CONSTRUCTION PLANS EROSION AND SEDIMENT CONTROL PLANS

ELLSWORTH DISTRICT, TYLER COUNTY, WEST VIRGINIA ELK FORK RUN WATERSHED

USQS 75 SHFLEY QUAD MAPS



WYDOH COUNTY ROAD MAR

WEST VIRGINIA COUNTY MAP

· PROPOSED SITE



N 386376.94 E 1607619.48 N 366371.94 E 1607625.08

(02-006) \ LAT 39.498847 LON -80.778925 LAT 39.498834 LON -80.778905 LAT 39.498821 LON -80.778885 LAT 30.498777 LON -80.778968 [163-066-36] E 167-782-30 PE 1770-277-39 PM 390-331-45 PM 390-331-45 PM 390-330-45 PM 390-330-45 PM 390-330-45 PM 390-330-30 P 1281.4 N 4372154.65 E 519009.57 N 4372156.14 E 519007.64 1250.6" 1260,8 04 LAT 39 49853 LAT 39 49853 LAT 39 49853 LAT 39 49853 LAT 39 49855 LAT 39 49857 LON -80.776368 N 3663-3-3-98 N 3665-79-46 N 143-3605-3-3 C 163-9042-81 F607601-83 C 170273-3-3 N 366351-4) N 366350-9-3 N 1454-3622-86 C 163-9049-47 C 160760-9-9 C 1702720-3-8 N 3663-54 N 366-30-1-9-3 N 145-3627-88 N 3663-34 N 366-30-1-9-3 N 145-3617-9-8 N 163-9055-07 E 160760-3-89 E 1702720-0-4 N 4372162.93 E 519004.64 1261 4" 1240.50

LOCATION COORDINATES

ACCESS ROAD ENTRANCE LATITUDE: 39 494768 LONGITUDE: -80.777496 (NAD 83) N 4371701.24 E 519132.13 (UTM ZONE 17 METERS NAD 83)

CENTER OF WELL PAD LATTILDE: -50.778709 (NAD 63) N 4372134 66 E 519025 82 (UTM ZONE 17 METERS NAD 83)

THE ACCESS ROAD(S) AND COMBINED WELL AND FACILITIES PAD ARE BEING CONSTRUCTED TO ACL IN THE DEVELOPMENT OF INCUMENAL MARCELUS SHALE DAS WELLS.

WES UTUTY STATUSH!
PROJECT SEDON TOUST # 1412825097
IN ADDITION, WISS UTUTY WILL SE CONTACTED BY DIE CONTRACTOR PRIOR TO THE START OF CONTRICTION FOR THIS PROJECT.

WICH MA-109 PERMIT 96-2014-0554 SSUED 09/25/2014 FOR WELL SITE ACCESS. EXPRES 09/25/2015 UNLISS ROWARD.

ENGENERAL MOTES

TEAMO DELINATIONS EREC PERFORMED BETWEEN APPEL 17 TO APPEL 18, 2014 BY LARSON DESIGN DISCUSSION DELICION TO WATERS AND METLANDS THAT ARE MOST LIVELY MINES THE SEQUENCE TO REVIEW THE SETT FOR WATERS AND METLANDS THAT ARE MOST LIVELY MINES TO BE SEQUENCE TO A CONTROLLINATION OF THE SEQUENCE OF THE SECRETARY OF THE DELICATION OF THE PERFORMED BY LARSON DESIGN DOUGH AND ADMINISTRY OF THE DELICATION OF THE MANDERS OF METALS OF THE SECRETARY A JURISDICTION. OF THE LANDARD LIVELY OF MATTERS AND METLANDS WHO ARE REPORTABLE OF THE OWNER OF THE SECRETARY OF THE SECRET

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WERE LISTON IN THE PREPARATION OF THESE PLANS. PLEASE RETER TO THE PRELIMINARY GEOTECHNICAL
INFORMATION BY LARSON DESIGN GROUP FOR AGEOTECHNICAL INFORMATION BY LARSON DESIGN.

PROJECT CONTACTS

CELRATOR STATOL 2103 CITY WEST BLVD., SLATE 800

PHONE: (713) 918-8200 CLINT LONG - MANAGER, CIVIL CONSTRUCTION

OFFICE: (713) 485-2617 CELL: (713) 261-9633

T. THERE ARE NO PERSONAL STREAMS, LANES, PONDS, OR RESERVORS WITHIN 100 FEET OF THE WELL. PAID AND CO.

2 THERE ARE NO NATURALLY PRODUCING TROUT STREAMS WITHIN 300 FEET OF THE WELL PAD AND 100.

- 1 THERE ARE NO GROUNDWATER INTAKE OR PUBLIC MATER SUPPLY FACILITIES WITHIN 1000 FEET OF THE WELL PAD AND LOSS.
- 4 THERE ARE NO APPARENT EXISTING WATER WELLS ON DEVELOPED SPRINGS WITHIN 250 FEET OF THE MILITSY BEING DRUGED.

5 THERE ARE NO OCCUPIED DWELLING STRUCTURES WITHIN 625 FEET OF THE CENTER OF THE WELL PAD

E THERE ARE NO AGRICULTURAL BUILDINGS LARGER THAN 2,500 SQUARE FIFT WITHIN 825 FEET OF THE CENTER OF THE WILL PAS

PARCEL DISTURBANCE

DISTURBANCE ON PROPERTY OF STATOL (PARCEL 2-17-52) = 12.0 AC DISTURBANCE ON PROPERTY OF STATOL (PARCEL 2-17-52) = 12.0 AC DISTURBANCE ON PROPERTY OF STATOL (PARCEL II UNASSIGNED) = 1.3 AC

ACCESS ROAD AND PAD DISTURBANCES

TOTAL LASTS OF DISTURBANCE = 13.3 AC WELL PAD DISTURBANCE = 6.3 AC ACCESS ROAD DISTURBANCE = 5.0 AC



SHEET INDEX

COVER SHEET

CONSTRUCTION AND EAS CONTROL NOTES

EXISTING CONCITIONS

DIVERALL PLAN SHEET INDEX & VOLUMES

ENDSON & SEDMENTATION CONTROL PLAN

WELL PAD GRADING PLAN AND CONTAINMENT PLAN

FADLITIES LAYOUT

ACCESS ROAD CROSS SECTIONS

STOCKPUT PROFUES AND SECTIONS

15-17 CONSTRUCTION DETAILS 18-19 REGIAVATION PLAN

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MISS Utility of West Virginia 1-800-245-4848 West Virginia State Low (Section XIV: Chapter 24-C) Requires that you call two business days before you dig in the state of West Virginia. IT'S THE LAW!!





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