

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

March 25, 2014

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-5101741, issued to NOBLE ENERGY, INC., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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

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

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

James Martin

Chief

Operator's Well No: MND 3 EHS

Farm Name: CONSOL MINING CO., LLC

API Well Number: 47-5101741

Permit Type: Horizontal 6A Well

Date Issued: 03/25/2014

Promoting a healthy environment.

INSPECTORS PERMIT SUMMARY FORM

GPS YES [] NO []

DAT	TE STARTED/LOCATION:	OPERATOR:	NOBLE ENERGY, INC.	
DRI	LLING COMMENCED:	FARM:	CONSOL MINING CO., I	LLC
то	DATE: DEPTHS:	Well No:	MND 3 EHS	
WA	TER DEPTHS:	COAL DEPTHS		
	ESTIONS FOR THIS REPORT ARE IN ACCORDANCE 2.1 AND 35CSR 4-16 AND THE GENERAL WATER PO			NS 35CSR
PO	INTS ARE TO BE GIVEN UP TO MAXIMUM AS SH	OWN BASED ON	N PERFORMANCE.	
1.	DID OPERATOR GIVE PROPER NOTICE TO INSPEC	TOR BEFORE TH	HE FOLLOWING:	
	A. CONSTRUCTION YES []	NO[] (2_PTS))	(4_PTS)
	B. DRILLING YES[]	NO [] (2_PTS)		
2.	WAS THE TIMBER CUT, STACKED, AND BRUSH US BEFORE DIRT WORK STARTED? YES []			(4_PTS)
3.	ARE ALL LOCATION AND/OR ROAD BANKS BEING	SLOPED? YES	[] NO[] (4_PTS)	(4_PTS)
4.	CONSTRUCTIONS: WERE THE FOLLOWING SEDIMENT CONTROL ST A. ROAD DITCHES (1)_(2)_(3)_(4)_(PTS) C. CULVERTS (1)_(2)_(3)_(4)_(5)_(PTS) E. DIVERSION DITCHES (1)_(2)_(3)_(PTS) G. TEMPORARY SEEDING YES[] NO[] (10_	B. CROSS DRAD. CREEK CROF. BARRIERS	AINS (1)_(2)_(3)_(4) DSSINGS (1)_(2)_(3)_(P	_(5)_(PTS) ΓS)
	POI	NTS AVAILABLI	E FOR QUESTION 4:	(33_PTS)
5.	HAS TOP SOIL (IF ANY) BEEN STOCKED PILED?	YES[]	NO [] (2_PTS)	(2_PTS)
6.	IS THE PIT PROPERLY INSTALLED AND MAINTAIN	NED? YES[]	NO [] (9_PTS)	(9_PTS)
7.	RECLAMATION: A. ROADWAY (1)_(2)_(3)_(PTS) 1 C. PITS (1)_(2)_(3)_(PTS) 2 E. TANK DIKES (1)_(2)_(3)_(PTS) 2 G. ADEQUATE SEEDING MATERIALS (1)_(2)_(3) H. WAS SEED BED ADEQUATE (1)_(2)_(2)_(2)_(2)_(3)_(PTS) 2 POINT PROPERTY (1)_(2)_(1)_(1)_(2)_(1)_(2)_(2)_(2)_(2)_(2)_(2)_(2)_(2)_(2)_(2	D. PIPELINES F. API INSTALL 3)_(PTS) 3)_(PTS)	(1)_(2)_(3)_(PTS)
8. T	WAS RECLAMATION COMPLETED WITHIN: 6 MTHS OF TD 6_PTS ONLY; 4 MTHS OF TD 12_F POI TOTAL MAXIMUM POSSIBLE SCORE OF 99.	NTS AVAILABLI	THS OF TD 19_PTS ONLY E FOR QUESTION 8: ECLAMATION SCORE:	(19_PTS)
	DATE RELEASED	IN	SPECTOR'S SIGNATURE	

INSPECTIONS:
<u>. </u>

4705101741 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 (USACOE). Through this permit, you are hereby being advised to consult with USACOE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the fill material shall be within plus or minus 2% of the optimum moisture content as determined by the standard proctor density test, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort. Each lift must meet 95 % compaction of the optimum density based on results from the standard proctor density test of the actual soils used in specific engineered fill sites. 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.

4705101741

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

	WELL WOR	3 3
1) Well Operator: Noble Er	nergy, Inc.	494501907 Marshall Franklin Powhatan Point Operator ID County District Quadrangle
2) Operator's Well Number: M	IND 3 EHS	,
3) Farm Name/Surface Owner:	Consol Mining	Co., LLC Public Road Access: CR 2/1
4) Elevation, current ground:	1128.39'	Elevation, proposed post-construction: 1112'
5) Well Type (a) Gas	■ O	Dil Underground Storage
Other		
(b)If Gas Sh	nallow	Deep
		128/14
6) Existing Pad: Yes or No ye		
 Proposed Target Formation (Marcellus at 6226' and 53' in thickness, 	s), Depth(s), pressure 4427#. E	Anticipated Thickness and Associated Pressure(s): Authority of the Anticipated Thickness, 3887# pressure. Hamilton at 6205', 21' in thickness, 3909# pressure.
8) Proposed Total Vertical Dep	oth: 6389'-99	into the Onondaga which is at 6290' then plug back to 6279' with solid cement plug.
9) Formation at Total Vertical	_	ondaga then plug back to produce Marcellus
10) Proposed Total Measured I	Depth: 12,4	441'
11) Proposed Horizontal Leg I	ength: 644	8'
12) Approximate Fresh Water	Strata Depths	165' and 298'
13) Method to Determine Fresh	h Water Dept	ths: Offset well data
14) Approximate Saltwater De	pths: None	e noted in offsets
15) Approximate Coal Seam D	Depths: 612'	Pittsburgh Base
16) Approximate Depth to Pos	sible Void (c	coal mine, karst, other): None anticipated, drilling in pillar-mine maps attached
17) Does Proposed well location directly overlying or adjacent to		
(a) If Yes, provide Mine Info	: Name:	Ireland Mine
	Depth:	Base at 612' at deepest point
	Seam:	Pittsburgh RECEIVED OF THE PITTS OF THE PITT
	Owner:	Murray American Energy (Previously Consol)
		Pittsburgh Murray American Energy (Previously Consol) of FERM Protection WE By Consol of The

18)

CASING AND TUBING PROGRAM

TYPE	Size	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling	INTERVALS: Left in Well	CEMENT: Fill-up (Cu. Ft.)
Conductor	30"	New	LS	117#	40'	40'	CTS
Fresh Water	20"	New	LS	94#	400	400'	CTS
Coal	133/8"	New	J-55	54.5#	1062'	1062'	CTS
Intermediate	9 5/8"	New	J-55	36#	2600'	2600'	CTS
Production	5 1/2"	New	P110	20#	12,441'	12,441'	TOC 200' above 9.625 casing shoe
Tubing							
Liners							

130x 1/21/14

TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cement Yield (cu. ft./k)
Conductor	30"	36"	0.375		Type 1/Class A	1.2
Fresh Water	20"	26"	.438	2730	Type 1/Class A	
Coal	13 3/8"	17 1/2"	.380	2730	Type 1/Class A	1.2
Intermediate	9 5/8"	12 3/8"	.352	3520	Type 1/Class A	1.19
Production	5 1/2"	8 3/4" & 8 1/2"	.361	12,640	Type 1/Class A	1.27
Tubing						
Liners						

PACKERS

Kind:	
Sizes:	CEIVED Gas
Depths Set:	RED OF OH SIL
	Om FEB I o me

WW-6B (9/13)

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:
Drill the vertical depth to the Marcellus at an estimated total vertical depth of approximately 6279 feet. Drill Horizontal leg - stimulate and produce the Marcellus Formation. If we should encounter an unanticipated void we will install casing at a minimum of 20' below the void but not more than 100' below the void, set a basket and grout to surface.
20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:
The stimulation will be multiple stages divided over the lateral length of the well. Stage spacing is dependent upon engineering design. Slickwater fracturing technique will be utilized on each stage using sand, water, and chemicals. See attached list. Maximum pressure not to exceed 10,000 lb.
21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres):
22) Area to be disturbed for well pad only, less access road (acres): 9.1
23) Describe centralizer placement for each casing string:
No centralizers will be used with conductor casing. Surface casing will have bow spring centralizers on first 2 joints then every third joint to 100' from surface. Intermediate casing will have bow spring centralizers on first 2 joints then every third joint to 100' from surface. Production string will have a rigid bow spring every joint to KOP, rigid bow spring every third joint from KOP to top of cement.
24) Describe all cement additives associated with each cement type:
Conductor-1.15% CaCl *Surface and Coal (Intermediate)- Class A Portland Cement CaCl 2%, 2% Accelerator, 0.2% Antifoam and 0.125#/sk Flake. Excess Yield=1.18 Production- 14.8 ppg class A 25:75:0 System +2.6% Cement extender, 0.7% Fluid Loss additive, 0.45% high temp retarder, 0.2% friction reducer 15% Excess Yield=1.27 TOC greater or equal to 200' above 9.625" shoe. *Surface and Coal string WVDEP approved variance attached.
25) Proposed borehole conditioning procedures:
Conductor-The hole is drilled w/air and casing is run on air. Apart from insuring the hole is clean via air circulation at TD, there are no other conditioning procedures. Surface-The hole is drilled w/air and casing is run on air. With the water once drilled to TD. Once casing is at setting depth, circulate a minimum of one hole volume prior to bumply cement Coal-The hole is drilled and cased w/air or on Freshwater based mud. Once casing is at setting depth, the tole is filled w/KCI water and a minimum of one hole volume is circulated prior to pumping cement. Intermediate the casing is set and cemented, intermediate hole is drilled either on air or SOBM and filled with KCI water once drilled to TD. Production-The hole is drilled with SOBM and once to TD, circulated at maximum allowable pump rate for at least 6x bottoms on bottom with casing, circulate a minimum of one hole volume prior to pumping cement. *Note: Attach additional sheets as needed. Page 3 of 3
*Note: Attach additional sheets as needed. Environment Page 3 of 3

	n	no e	ble	gy					DRILLING V MND-3E-HS (I Macellus Sha Marshall C	Marcellus HZ) le Horizontal	
						MND-3	E SHL	(Lat/Long)	(49444	2.73N, 1637203.17	E) (NAD27)
Ground	d Elevation		1112'			MND-	3E LP (Lat/Long)	(49394	3.41N, 1637560.25	E) (NAD27)
	Azm		144.940	6°		MND-3	E BHL	(Lat/Long)	(48916	4.73N, 1640906.32	E) (NAD27)
WELLBO	ORE DIAGRAM	HOLE	CASING	GEOLOGY	MD	TVD	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS
		36	30" 117#	Conductor	40	40	AIR	To Surface	N/A	Ensure the hole is clean at TD.	Stabilize surface fill/soil. Conductor casing = 0.375" wal thickness
		26	20" 94#				AIR	15.6 ppg Type 1 + 2% CaCl, 0.25# Lost Circ 30% Excess	Centralized every 3 joints to surface	Fill with KCl water once drilled to TD. Once casing is at setting depth, circulate a minimum of one hole	Surface casing = 0.438" wall thickness
×				Surface Casing	400	400		Yield = 1.18		volume prior to pumping cement.	Burst=2730 psi
			13-3/8" 54.5#					15.6 ppg Type 1 + 2% CaCl, 0.25# Lost Circ	Bow Spring on first 2 joints then every third	Fill with KCl water once drilled to TD. Once casing is at setting depth, circulate a	Intermediate casing = 0.380"
×	×	17 1/2	J-55 BTC	Pittsburgh Coal	602	602	AIR	30% Excess Yield = 1.18	joint to 100' form surface	minimum of one hole	wall thickness Burst=2730 psi
				Int. Casing	1062	1062		Tield = 1.10	surface	volume prior to pumping cement.	
×	×							15.6ppg Class A +0.4% Ret, 0.15% Disp,		Fill with KCI water once	
			9-5/8" 36#	Price Formation	2190	2190		0.2% AntiFoam,	Bow spring centralizers every third joint to 100' feet from surface.	at setting depth, circulate a the minimum of one hole case	Casing to be ran 250' below the 5th Sand. Intermediate
		12 3/8	J-55 LTC				AIR	0.125#/sk Lost Circ 20% Excess			casing = 0.352" wall thickness
×	×		1	Weir Sand	2350	2350		Yield=1.19		volume prior to pumping cement.	Burst=3520 psi
				Int. Casing	2600	2600		To Surface			
X	IX.			Speechley	-	3506	8.0ppg -		Rigid Bow Spring every		
		8.75" Vertical		Java	_	4985	9.0ppg		third joint from KOP to		
				Angola		5193	SOBM	14.8ppg Class A 25:75:0	TOC		
				Rheinstreet	_	5758		System +2.6% Cement extender,			
- 0				Sonyea	_	6055		0.7% Fluid Loss	1	Once at TD, circulate at	
			5-1/2"	Cashaqua		6074		additive, 0.45% high temp retarder, 0.2%	1	max allowable pump rate	Production casing = 0.361" wall thickness
×	×		20#	Middlesex	_	6080.5	12.0ppg-	friction reducer		for at least 6x bottoms up. Once on bottom with	Burst=12640 psi
		8.75° Curve	HCP-110 TXP BTC	West River		6126	12.5ppg SOBM	10% Excess		casing, circulate a minimum	Note:Actual centralizer schedules may be changed
			170 BIO	Burkett		6170		Yield=1.27 Rigid Bow Spring every of one hole volume prior	of one hole volume prior to	due to hole conditions	
				Tully Limestone		6197		TOC >= 200'	joint to KOP	pumping content.	
	8			Hamilton		6206		above 9.625" shoe	1		
				Marcellus	6226	6226	12.0ppg-				
		8.75" - 8.5" Lateral		TD	12441	6279	12.5ppg SOBM				
×	x			Onondaga	6290	6290					
	LP @ 62	79' TVD / 6607' MD	*			emented Lo		*	+/-583	34' ft Lateral	TD @ +/-6279' TVD +/-12441' MD
000	X	X	X	X	X		X	X	X	X	X=centralizers

A Secentralizers

A Secentrali

	_				
	-	, ·	×	LP @	
	8.75" Pilot		×	LP @ 6279' TVD / 6607' MD	×
plugs	Isolation / Sidetrack Cement		×		×
Pilot Hole TD	Onondaga		×	8.75 / 8.5 5-1/2	×
6389	6290		×	Hole - C.	×
6389	6290			8.75 / 8.5 Hole - Cemented Long String 5-1/2" 20# HCP-110 TXP BTC	
	12.0ppg- 12.5ppg SOBM		×	ong String BTC	×
balanced plugs w/ 2.375" tubing	TD to 200' above KOP (2) 800'	17.5ppg	×		×
	N/A		×× off	REC'ICE OF	CNED Gas Oil and Gas Oil and Gas Oil and Gas Oil and Gas Obsertment of Oppartment of onmental Protection
aid di	Once at TD, circ drilling pump rat least three hours			E BIN	onmente.

Pilot Portion

API	Number	47	-	

Operator's Well No. MND 3 EHS

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Noble Energy, Inc. OP Code 494501907
Watershed (HUC 10) Short Creek-Ohio River (HUC 10) Quadrangle Powhatan Point
Elevation 1112' Post Construction County Marshall District Franklin
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No No No No V
If so, please describe anticipated pit waste: Closed Loop-No pit will be utilized
Will a synthetic liner be used in the pit? Yes No If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:
Land Application Underground Injection (UIC Permit Number Reuse (at API Number TBD-Next anticipated well Off Site Disposal (Supply form WW-9 for disposal location) Other (Explain
Will closed loop system be used? If so, describe: Yes
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air thru coal string, then SOBM
-If oil based, what type? Synthetic, petroleum, etc. Synthetic
Additives to be used in drilling medium? Please see attached
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfills
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)
-Landfill or offsite name/permit number?Please see attached
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.
Company Official Signature August Colliers
Company Official (Typed Name) Laura Adkins
Company Official Title Regulatory Analyst RECOIL 201
Company Official Signature Company Official (Typed Name) Laura Adkins Company Official Title Regulatory Analyst Subscribed and sworn before me this day of FEBRUARY, 20 Letter of the subscribed and sworn before me this day of FEBRUARY, 20 Letter of the subscribed and sworn before me this day of FEBRUARY, 20 Letter of the subscribed and sworn before me this day of FEBRUARY.
My commission expires Notary Paris Notary

Chemical List Including CAS#'s

Type: Friction Reducer (DWP-612)

Chemical Component as listed on MSDS: Long Chain Polyacrylamide

CAS: N/A

Type: Biocide (DWP-944)

1st Chemical Component as listed on MSDS: 2,2-Dibromo-3-nitrilopropionamide

CAS: 10222-01-2

2nd Chemical Component as listed on MSDS: Polyethylene Glycol Mixture

CAS: 25322-68-3

Type: Scale Inhibitor (DAP-901)

1st Chemical Component as listed on MSDS: Methanol

CAS: 67-56-1

2nd Chemical Component as listed on MSDS: Phosphoric Acid Ammonium Salt

CAS: Trade Secret

3rd Chemical Component as listed on MSDS: Ammonium Chloride

CAS: 12125-02-9

4th Chemical Component as listed on MSDS: Organic Phosphonate

CAS: Trade Secret

5th Chemical Component as listed on MSDS: Amine Salt

CAS: Trade Secret

6th Chemical Component as listed on MSDS: Oxyalkylated Polyamine

CAS: Trade Secret

Type: Surfactant (DWP-938)

Chemical Component as listed on MSDS: Soap

CAS: N/A

Type: Hydrochloric Acid

Chemical Component as listed on MSDS: Hydrochloric Acid

CAS: 7647-01-0

Type: PA Breaker (DWP-690)

Chemical Component as listed on MSDS: Hydrogen Peroxide

CAS: Trade Secret

Type: Gel Slurry (DWP-111)

Chemical Component as listed on MSDS: Viscosifier

CAS: N/A

Type: Oxidizer Breaker (DWP-901)

Chemical Component as listed on MSDS: Ammonium Persulfate

CAS: 7727-54-0

Type: Buffer (DWP-204)

Chemical Component as listed on MSDS: Formic Acid

CAS: 64-18-6

RECEIVED Gas
Office of Oil and Gas

FEB 1 8 2014

WV Department of Environmental Protection

Site Water/Cuttings Disposal 47 0 5 1 0 1 7 4 1

Cuttings

Haul off Company:

Eap Industries, Inc. DOT # 0876278 1575 Smith Twp State Rd. Atlasburg PA 15004 1-888-294-5227

MAX Environmental Technologie 233 Max Lane Yukon, PA 25698 PAD004835146

Disposal Locations:

Apex Environmental, LLC Permit # 06-08438 11 County Road 78 Amsterdam, OH 43903 740-543-4389

Westmoreland Waste, LLC Permit # 100277 111 Conner Lane Belle Vernon, PA 15012 724-929-7694

Sycamore Landfill (Allied Waste) R30-07900105-2010 4301 Sycamore Ridge Road Hurricane, WV 25526 304-562-2611

Water

Haul off Company:

Dynamic Structures, Clear Creek DOT # 720485 3790 State Route 7 New Waterford, OH 44445 330-892-0164

Disposal Location:

Solidification
Waste Management, Arden Landfill Permit # 100172
200 Rangos Lane
Washington, PA 15301
724-225-1589

Solidification/Incineration Soil Remediation, Inc. Permit # 02-20753 6065 Arrel-Smith Road Lowelville, OH 44436 PECEIVED
Office of Oil and Gas

Office of Oil and Gas

FEB 1 8 2014

WY Department of
Environmental Protection

Form WW-9

Operator's Well No. MND 3 EHS

Noble Energy, Inc	O		Орегают	Well Ivo.	
Proposed Revegetation Treatm	nent: Acres Disturbed 1	5.6 ac	Prevegetation	рН	
$_{Lime}$ 2 to 3	Tons/acre or to correct	ct to pH			
	20-20				
Fertilizer amount_5	00	lbs/a	cre		
_{Mulch} Hay or		Tons/acre	:		
		Seed M	<u>lixtures</u>		
Ten	nporary			manent	
Seed Type Tall Fescue	lbs/acre 40		Seed Type Tall Fescue	lbs/acre 40	
Ladino Clover	5	_	Ladino Clover	5	
See site plans	for full list		See site plans for full list		
Plan Approved by: Jim N	icholson WV0	OOG :	State Inspector	Jama Wilole	
Comments:	J Ku W				
				RECEIVED and	
Title: Old Gag(•	Office of Oil and WV Departs Environments Environments	
				Environment	



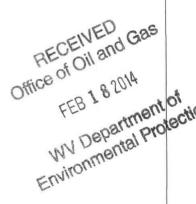
Site Safety Plan

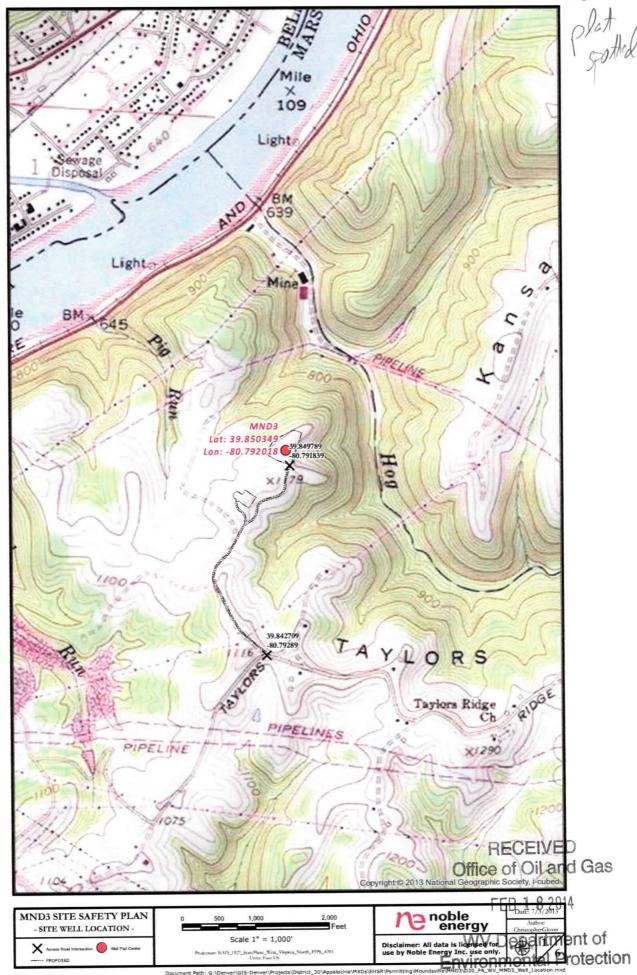
Noble Energy, Inc. MND 3 EHS

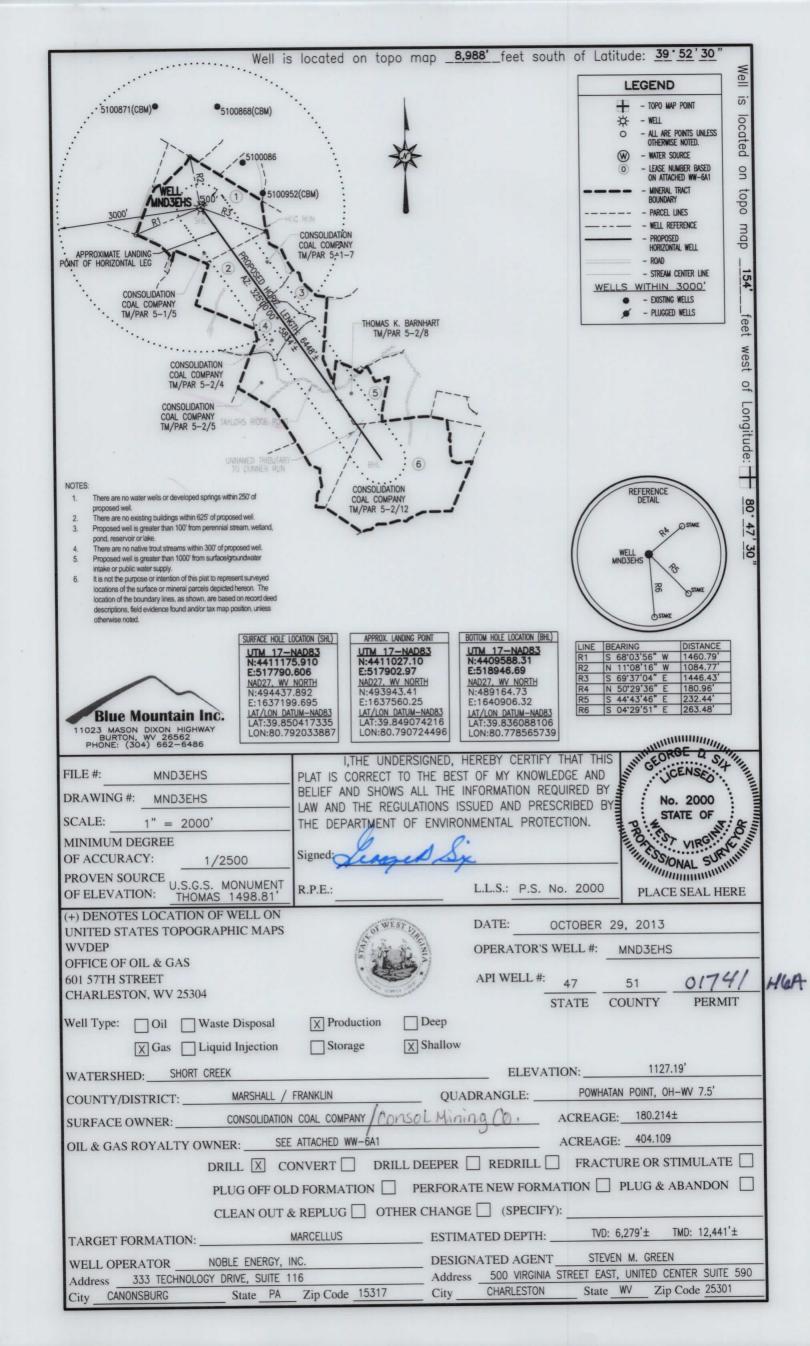
June 2013: Version 1

For Submission to
West Virginia Department of Environmental
Protection, Office of Oil and Gas

Noble Energy, Inc.
Appalachia Offices
333 Technology Drive, Suite 116
Canonsburg, PA 15317-9504







EROSION & SEDIMENT CONTROL PLAN FOR

MND 3 WELL PAD FRANKLIN DISTRICT, MARSHALL COUNTY, WV

GENERAL NOTES

PROPERTY BOUNDAMES, LANDOWNER INFORMATION AND ROAD NETWORKS SHOWN ON THIS PLAN ARE BASED ON AVAILABLE COUNTY OF PARCEL DATA.

STING STRUCTURES, TREE LINES AND ROADWAYS HAKE BEEN LOCATED PER AVAILABLE LINE AERIAL PHOTOGRAPHY.

HORIZONTAL DATUM IS WEST VERGHA STATE PLANE, HORTH AMERICAN DATUM 1983 (NAD MORTH ZONE.

TICAL DATUM IS WEST VIRGINIA STATE PLAN, NORTH AMERICAN VERTICAL DATUM 1988

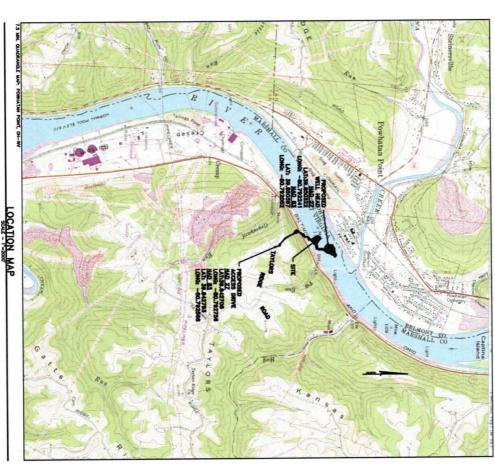
AT LUST 40 HOURS, BUT HOT HOME THAN 10 WOMENS ONTO (COLLINS)
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TROUT 6 HISHMOODS IN NEW BUTSTALLS

HNOLU-ISBURG, Ph BEN DEREUME, (724) 820–3000 Pnoble energy CALL BEFORE

ETLANDS PRESENCE/ABSENCE SURVEY WAS PERFORMED BY RETTEM ASSOCIATES IN MAY

ACTOR TO PROTECT ALL WETLANDS, NO WETLAND MPACTS ARE PROPOSED IN THIS

HE TOPOGRAPHIC SURVEY UTLIZED FOR THIS BASE MAPPING WAS PERFORMED BY RETTEN SSOCIATES, INC. IN MAY 2013.



RESOURCES BUFFER PLAN

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TING UTILITIES HAVE BEEN SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE TON.

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DIRECTIONS TO THE SITE

From Intersection of 1-170 and the 20 MeV-2

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lered thee gradings shall be placed on uphal size of compost filter socks not stockyled on-site.

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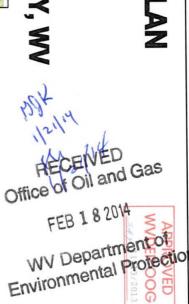
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+ 7,803 CX + 7,803 CX - 43,211 CX - 6,000 CX

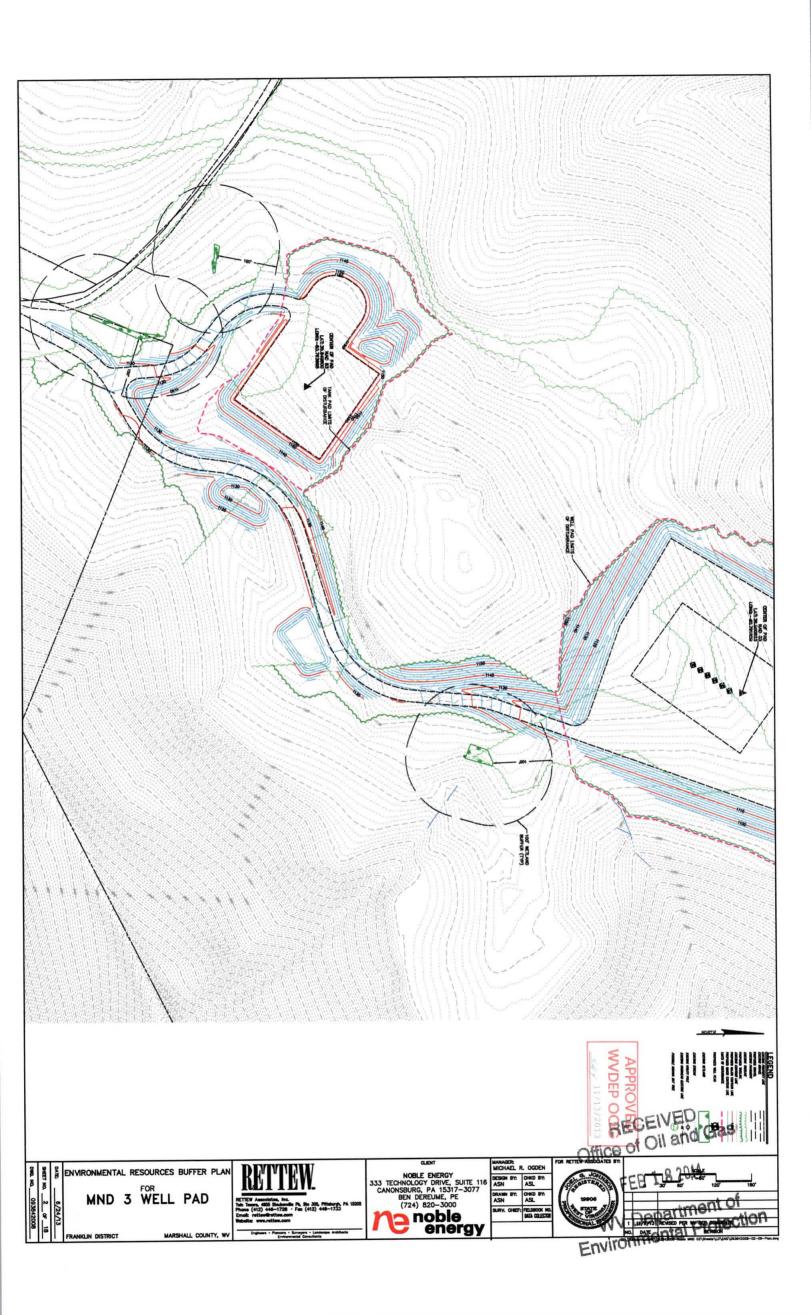
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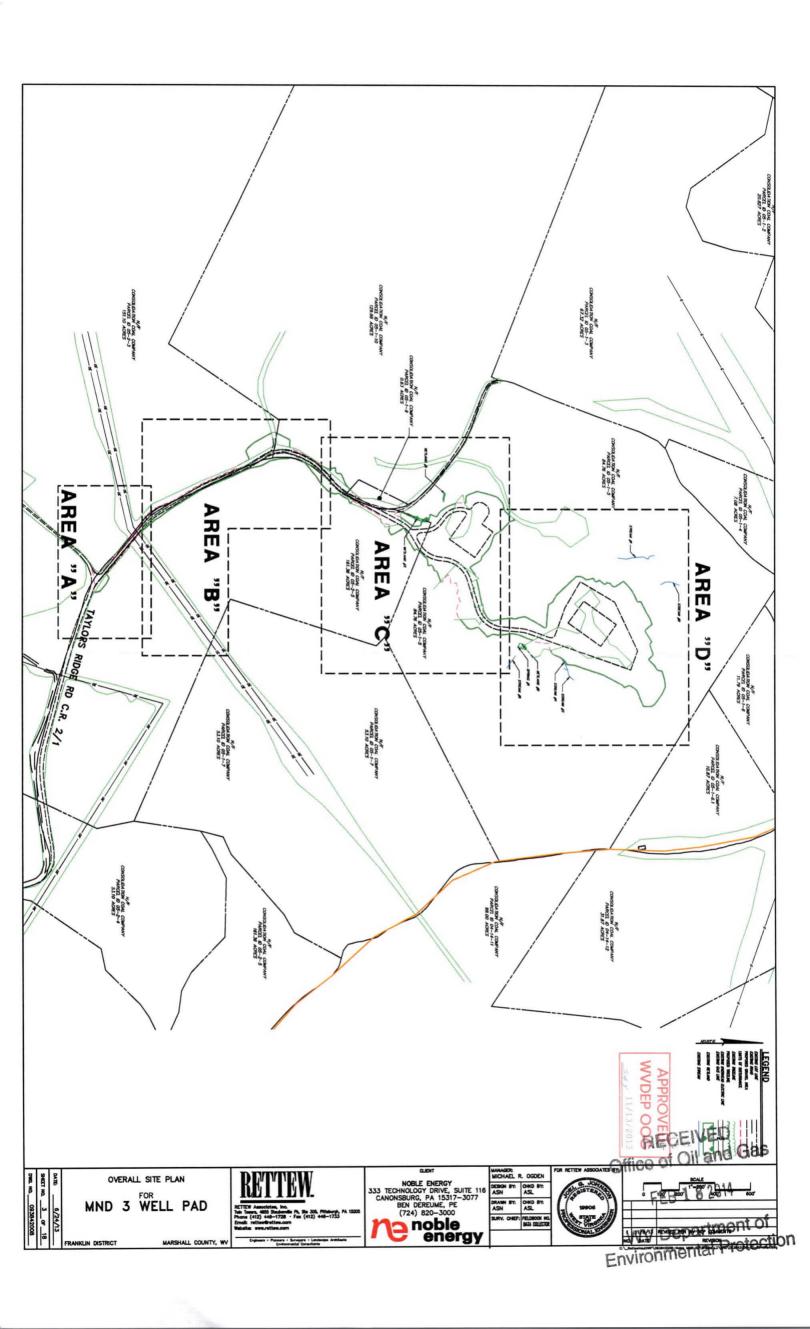
MND

3 WELL PAD



Electronic Version of Plans Can Be Viewed at: Q\OIL GAS\SAY FILES\REVIEWS





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

Date of Notice Certification: 2/18/14		AP	API No. 47- Operator's Well No. MND 3 EHS Well Pad Name: MND 3			
Notice has b	neen given:					The state of the s
Durguent to th	e provisions in West Virginia Co	vde 8	22-6A the Operator has provide	d the rea	uired parties w	ith the Notice Forms listed
below for the	tract of land as follows:	ode g	22 Ori, the Operator has provide	- a a a a a a a		
State:	West Virginia		Ea:	sting:	517790.606	
County:	Marshall			orthing:	4411175.910	
District:	Franklin		Public Road Access:	_	CR 2/1	
Quadrangle:	Powhatan Point		· · · · · · · · · · · · · · · · · · ·	Generally used farm name: Consolidation (Coal
Watershed:	Short Creek-Ohio River (HUC 10)					
information re of giving the requirements Virginia Code	ed the owners of the surface desequired by subsections (b) and (c) surface owner notice of entry to of subsection (b), section sixtee e § 22-6A-11(b), the applicant shade been completed by the applicant	e), sec so sur en of tall te	tion sixteen of this article; (ii) the vey pursuant to subsection (a), this article were waived in wrinder proof of and certify to the s	nat the rec section to iting by	quirement was en of this artic the surface ow	deemed satisfied as a result the six-a; or (iii) the notice mer; and Pursuant to West
that the Ope	West Virginia Code § 22-6A, the crator has properly served the requeck ALL THAT APPLY	e Opequired	erator has attached proof to this parties with the following:	Notice C	ertification	OOG OFFICE USE ONLY
			A MOREON NOT BEOLUBER	> DEC 41	ICE NO	
L. NO	TICE OF SEISMIC ACTIVITY	or				☐ RECEIVED/
			SEISMIC ACTIVITY WAS CO	ONDUC	TED	NOT REQUIRED
■ 2. NO	TICE OF ENTRY FOR PLAT SU	URV	EY or D NO PLAT SURVEY	WAS C	ONDUCTED	RECEIVED
☐ 3. NO	TICE OF INTENT TO DRILL	or	NOTICE NOT REQUIRED NOTICE OF ENTRY FOR PLAWAS CONDUCTED or		1	RECEIVED/ NOT REQUIRED
			☐ WRITTEN WAIVER BY (PLEASE ATTACH)	SURFA	CE OWNER	
■ 4. NO	TICE OF PLANNED OPERATION	ON				RECEIVED
■ 5. PUI	BLIC NOTICE					☐ RECEIVED
1						

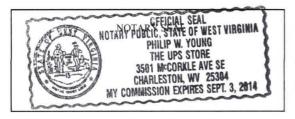
Required Attachments:

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

Certification of Notice is hereby given:

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

Well Operator:Noble Energy, Inc.Address:333 Technology Drive Suite 116By:Laura AdkinsCanonsburg, PA 15317Its:Regulatory AnalystFacsimile:724-820-3098Telephone:412-841-9567Email:ladkins@nobleenergyinc.com



Subscribed and sworn before me this 17th day of FEB, 2014

Notary Public My Commission Expires 9 3 2014

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.

REGEIVED
Office of Oil and Gas

FEB 1 8 2014

API NO. 47-47-0510174

OPERATOR WELL NO. MND 3 EHS

Well Pad Name: MND 3

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 that	if the fining date of permit application.
Date of Notice: 2 18 14 Date Permit Application Filed:	18/14
PERMIT FOR ANY WELL WORK CONSTRUCTION OF A	ROVAL FOR THE AN IMPOUNDMENT OR PIT
Delivery method pursuant to West Virginia Code § 22-6A-10	(b)
	OD OF DELIVERY THAT REQUIRES A PT OR SIGNATURE CONFIRMATION
the surface of the tract on which the well is or is proposed to be loc- oil and gas leasehold being developed by the proposed well work, it described in the erosion and sediment control plan submitted pursus operator or lessee, in the event the tract of land on which the well p more coal seams; (4) The owners of record of the surface tract or tra- well work, if the surface tract is to be used for the placement, const- impoundment or pit as described in section nine of this article; (5) a have a water well, spring or water supply source located within one provide water for consumption by humans or domestic animals; and proposed well work activity is to take place. (c)(1) If more than thre- subsection (b) of this section hold interests in the lands, the applica- records of the sheriff required to be maintained pursuant to section provision of this article to the contrary, notice to a lien holder is no Code R. § 35-8-5.7.a requires, in part, that the operator shall also particularly water purveyor or surface owner subject to notice and water testing	or signature confirmation, copies of the application, the erosion and the well plat to each of the following persons: (1) The owners of record of ated; (2) The owners of record of the surface tract or tracts overlying the if the surface tract is to be used for roads or other land disturbance as ant to subsection (c), section seven of this article; (3) The coal owner, proposed to be drilled is located [sic] is known to be underlain by one or acts overlying the oil and gas leasehold being developed by the proposed rruction, enlargement, alteration, repair, removal or abandonment of any Any surface owner or water purveyor who is known to the applicant to thousand five hundred feet of the center of the well pad which is used to defend the operator of any natural gas storage field within which the extendants in common or other co-owners of interests described in the neight, article one, chapter eleven-a of this code. (2) Notwithstanding any that notice to a landowner, unless the lien holder is the landowner. W. Va. provide the Well Site Safety Plan ("WSSP") to the surface owner and any as as provided in section 15 of this rule.
☐ Application Notice ☐ WSSP Notice ☐ E&S Plan Notice	
☑ SURFACE OWNER(s)	COAL OWNER OR LESSEE
Name: Consol Mining Co. LLC FKA Consolidation Coal Company	Name: Murray American Energy, Inc. Jason Witt Address: 46226 National Road
Address: 1000 Consol Energy Drive	Saint Clairsville, OH 43950
Canonsburg, PA 15317	COAL OPERATOR
Name:	Name: Murray American Energy, Inc. Jason Witt
Address:	Address: 46226 National Road
SURFACE OWNER(s) (Road and/or Other Disturbance)	Saint Clairsville, OH 43950
	SURFACE OWNER OF WATER WELL
Name:Address:	AND/OR WATER PURVEYOR(s)
Address	Name: None found within 2000'
Name:	Address:
Address:	
	OPERATOR OF ANY NATURAL GAS STORAGE FIELD
☐ SURFACE OWNER(s) (Impoundments or Pits)	Name:REGEIVED
Name:	Address: REGEIVED
Address:	Office of Oil and Gas
	*Please attach additional forms if necessary
	EED 1 0 2014

FEB 1 8 2014

WW-6A	
(8-13)	

API NO. 47-___ OPERATOR WELL NO. MND 3 EHS
Well Pad Name: MND 3

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the 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 it at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 162002, Ceporal Galactic 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 section what the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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

RECEIVED
Office of Oil and Gas

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list person an

Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

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

Permit Denial or Condition

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

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

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

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

RECEIVED
Office of Oil and Gas

FEB 1 8 2014

WW-6A (8-13)

API NO. 47-OPERATOR WELL NO. MND 3 EHS Well Pad Manye: NND 1 1

Notice is hereby given by:

Well Operator: Noble Energy, Inc.

Telephone: 412-841-9567
Email: ladkins@nobleenergyinc.com

Address: 333 Technology Drive Suite 116

Canonsburg, PA 15317 Facsimile: 724-820-3098

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.

Laura L. Cielkin

CFFICIAL SEAL
HOTARY PUBLIC, STATE OF WEST VIRGINIA
PHILIP W. YOUNG
THE UPS STORE
3501 M-CORKLE AVE SE
CHARLESTON, WV 25304
MY COMMISSION EXPIRES SEPT. 3, 2014

Subscribed and sworn before me this 17th day of FEB, 2014.

Notary Public

My Commission Expires 913

REGEIVED
Office of Oil and Gas

FEB 1 8 2014

WW-6A5 (1/12)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS 7 4 1 NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application. Date of Notice: 2 18/14 Date Permit Application Filed: 2 18/14							
Delivery method pursuant to West Virginia Code § 22-6A-16(c)							
	CERTIFIE RETURN) VERY				
the p requi drilling	n receipt re- lanned opered to be pro- ng of a horages to the so- the notices	Va. Code § 22-6A-16(c), no later than the da quested or hand delivery, give the surface own ration. The notice required by this subsection rovided by subsection (b), section ten of this arrizontal well; and (3) A proposed surface use surface affected by oil and gas operations to the required by this section shall be given to the su	ner whose land on shall include ticle to a surface and compensate extent the danger.	will be used for e: (1) A copy of the owner whose tion agreement than ages are complete.	the drilling of a horizontal well notice of of this code section; (2) The information land will be used in conjunction with the containing an offer of compensation for ensable under article six-b of this chapter.		
(at th Nam Addr	e: Consol Mini	y provided to the SURFACE OWNER(s) isted in the records of the sheriff at the time of ng Co. LLC FKA Consolidation Coal Company onsol Energy Drive	Name:				
Notice is hereby given: Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:							
State	_	West Virginia Marshall	UTM NAD 83	Easting: Northing:	517790.606 4411175.910		
Dist	_	Franklin	Public Road A	Access:	CR 2/1		
Qua	drangle:	Powhatan Point	Generally use	d farm name:	Consolidation Coal		
Wate	ershed:	Short Creek-Ohio River (HUC 10)					
Purs to b horiz surfa infor	e provided zontal well ace affected	all Include: sst Virginia Code § 22-6A-16(c), this notice sh by W. Va. Code § 22-6A-10(b) to a surface; and (3) A proposed surface use and compens d by oil and gas operations to the extent the cated to horizontal drilling may be obtained fi ocated at 601 57 th Street, SE, Charleston, alt.aspx.	e owner whose sation agreement damages are control the Secret	land will be un at containing an ampensable und arv. at the WV	offer of compensation for damages to the er article six-b of this chapter. Additional Department of Environmental Protection		
Wel	l Operator:	Noble Energy, Inc.	Address:	333 Technology I	Drive Suite 116		
	ephone:	412-841-9567		Canonsburg, PA			
Ema	-	ladkins@nobleenergyinc.com	Facsimile:	724-820-3098			
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. BECSIVED

Office of the and Gas

1-3182014