

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452 Jim Justice , Governor Austin Caperton , Cabinet Secretary www.dep.wv.gov

Friday, February 10, 2017 WELL WORK PERMIT Horizontal 6A / Fracture

NOBLE ENERGY, INC. (A) 1000 NOBLE ENEGY DRIVE

CANONSBURG, PA 15317

Re: Permit approval for MND 6 FHS

47-051-01763-00-00

This well work permit 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 any additional specific 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 of 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.

Per 35 CSR 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) 926-0450.

James A. Martin Chief

Operator's Well Number: MND 6 FHS

Farm Name: CONSOLIDATION COAL COMPANY

U.S. WELL NUMBER: 47-051-01763-00-00

Horizontal 6A / Fracture

Date Issued: 2/10/2017

Promoting a healthy environment.

API Number:	

PERMIT CONDITIONS 4705101765

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. 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.
- 2. 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.
- 3. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
- 4. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 5. 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.
- 6. 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, cessation 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.

API NO. 47-051 - 01763
OPERATOR WELL NO. MND 6 FHS
Well Pad Name: MND6

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

1) Well Operator: Noble Energy	/, Inc.	494501907	Marshall	Franklin	Powhatan Point
		Operator ID	County	District	Quadrangle
2) Operator's Well Number: MNI	D 6 FHS	Well Pad	Name: MND	6	
3) Farm Name/Surface Owner: Co	onsolidation Coal Co	mpany Public Road	Access: CR	7/4-Fish C	reek Rd
4) Elevation, current ground: 72	22' Ele	evation, proposed p	ost-construction	n: 721'	
5) Well Type (a) Gas X		Under			
Other					
(b)If Gas Shallo	w <u>X</u>	Deep			
Horize	ontal X				
6) Existing Pad: Yes or No Yes-this	s well has been drille	ed, but not completed.			
 Proposed Target Formation(s), I Marcellus at 5895' and 55' in thick 				essure(s):	
8) Proposed Total Vertical Depth:	5940'				
9) Formation at Total Vertical Dep	th: Marcellus				
10) Proposed Total Measured Dep	th: 6679'				
11) Proposed Horizontal Leg Leng	th: 14,634'				
12) Approximate Fresh Water Stra	ta Depths:	128' and 265'			
13) Method to Determine Fresh W	ater Depths: O	ffset Well data			
14) Approximate Saltwater Depths	: none noted i	n offsets			
15) Approximate Coal Seam Depth	ns: 284' to 294				
16) Approximate Depth to Possible	e Void (coal mir	ne, karst, other): N	one anticipated, o	drilled in pilla	r - mine maps attahced.
17) Does Proposed well location co			No	X	
(a) If Yes, provide Mine Info: N	_{Name:} Same	as Above			
I	Depth: Base	at 294' at deepes	t point		
S	Seam: Pittsb	urgh			
(Owner: Murra	y American Energ	gy (Previously	Consol)	

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02/10/2017

State of West Virginia Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work

API 47 051 01763 County Ma	rshall	District Franklin	
Quad Powhatan Point Pad Name N		······································	/A
		Well Number MNI	
Operator (as registered with the OOG) Noble Energ	gy, Inc.		
Address 1000 Noble Energy Drive City	Canonsburg	State PA	Zip 15317
As Drilled location NAD 83/UTM Attach an as- Top hole Northing 39.8176 Landing Point of Curve Northing 39.81647 Bottom Hole Northing 39.83408	76 73	w, and deviation survey Easting 80.791779 Easting 80.798056 Easting 80.814544	
Elevation (ft) 722' GL Type of W	ell New 🗆 Existing	g Type of Report	■Interim □Final
Permit Type Deviated Horizontal Ho	rizontal 6A 🛭 Verti	cal Depth Type	□ Deep ■ Shallow
Type of Operation □ Convert □ Deepen ■ Drill	□ Plug Back □ l	Redrilling Rework	□ Stimulate
Well Type □ Brine Disposal □ CBM ■ Gas □ Oil □	□ Secondary Recovery	□ Solution Mining □ Sto	orage
Type of Completion □ Single □ Multiple Fluids P Drilled with □ Cable ■ Rotary	roduced □ Brine □	Gas □ NGL □ Oil	□ Other
Drilling Media Surface hole ■ Air □ Mud □ Fresh	n Water Intermed	liate hole	□ Fresh Water □ Brine
Production hole			
Mud Type(s) and Additive(s) Synthetic Oil Based			
Date completion activities began Not completed	Date completion	2014 Date drilling on activities ceased	na
Please note: Operator is required to submit a plugging a	pplication within 5 days	s of verbal permission to p	lug
Freshwater depth(s) ft 128' and 265'	Open mine(s) (Y	/N) depths	N
Salt water depth(s) ft none noted for offsets	Void(s) encounte	ered (Y/N) depths N	-drilled in pillar
Coal depth(s) ft	Cavern(s) encour	ntered (Y/N) depths	N
Is coal being mined in area (Y/N) No			Daviawad hu

OPERATOR WELL NO. MND 6 FHS

Well Pad Name: MND 6

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	DH-36	307	40	40	CTS
Fresh Water	16"	New	H-40	65	135	135	CTS
Coal	13 3/8	New	J-55	54.5	753	753	30% excess Yield=1.18
Intermediate	9 5/8"	New	HCK-55	36	2060	2060	20% excess Yield=1.19
Production	5 1/2"	New	P-110	23	14,635'	14,635'	10% Excess Yield=1.27 TOC>=200' above shoe
Tubing							
Liners							

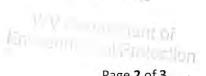
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ТҮРЕ	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	26"	.438				CTS
Fresh Water	16"	18"	.375		1200		CTS
Coal	13 3/8	17 1/2"	.380	2730		Type 1/Class A	1.18
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	16,500	13,000	Type 1/Class A	1.27 TOC>=200' above 9.625" shoe
Tubing							
Liners							

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WW-6B	
(10/14)	

API NO. 47- 051 - 01763

OPERATOR WELL NO. MND 6 FHS

Well Pad Name: MND 6

19) Describe	proposed	well	work.	including	the	drilling	and	plugging	back	of an	v pilot	: ho	le:
	,	P-0P0000	•	,, 0,,,,,		,	~~~~~~		PD			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

Noble Energy, Inc. has previously drilled this well and we are submitting this application in order to hydraulically fracture and produce the well.

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): 9.6
- 22) Area to be disturbed for well pad only, less access road (acres): 7.3

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:

Conductors-Type 1 to Surface. Surface 15.6 ppg Type 1 +2% Cacl, 0.25#Lost circ 30% Excess Yield 1.18. Intermediate 15.6ppg Class A +0.4% Ret. 0.15% Disp. 0.2% Anti Foam, 0.125#/sk Lost Circ 20% Excess Yield +1.19 to surface. Procuction 14.8ppg Class A 25:75:0system +2.6% Cement extender, 0.7% Fluid Loss additive, 0.45% high temp retarder, 0.2% friction reducer 10% Excess Yield+1.27 TOC>+200" above 9.625" shoe.

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. Fill with KCI water once drilled to TD. Once casing is at setting depth, circulate a minimum of one hole volume prior to pumping cement Coal-The hole is drilled and cased w/air or on Freshwater based mud. Once casing is at setting depth, the hole is filled w/KCI water and a minimum of one hole volume is circulated prior to pumping cement. Intermediate-Once surface 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 up. Once on bottom with casing, circulate a minimum of one hole volume prior to pumping cement.

*Note: Attach additional sheets as needed.

	Fresh Water Protetcion String:	. Cement Additives				
Allied Material Name	Additive (Material) Type	Additive (Material) Description	CAS#			
CCAC (Class A Common)	Base Cement	Grey powder	65997-15-1			
			10043-52-4			
CA 100	Accelerator	White, flake	7447-40-7			
CA-100	Accelerator	write, nake	7732-18-5			
			7647-14-5			
CLC-CPF (Cellophane Flakes)	Lost Circulation Aid	White and colored flake	Non-Hazardous			
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DRILLING WELL PLAN MND-6F-HS (Marcellus HZ) Macellus Shale Horizontal Marshall County, WV

			1019	-					Marshall Co				
						MND-6	FSHL	(Lat/Long)	(48251	1.81N, 1637100.16	E) (NAD27)		
Ground Elevation 722' Azm 325°					MND-6	F LP (LP (Lat/Long) (482043.34N, 1635375.26E) (N						
					MND-6	FBHL	(Lat/Long)	(48858	2.67N, 1630796.37	E) (NAD27)			
WELLBORE DI	AGRAM	HOLE	CASING	GEOLOGY	TOP	BASE	MUD	CEMENT	CENTRALIZERS	CONDITIONING	COMMENTS		
WELEBONE DO	AGILIAN	1000											
		26	20° 94#	Conductor	40	40	AIR	To Surface	N/A	Ensure the hole is clean at TD.	Stabilize surface fill/soil Conductor casing = 0.438" wa thickness		
	×	18	16"	Conductor #2	120	120	Auger	To Surface	N/A	Ensure the hole is clean at TD.	Stabilize surface soil.		
			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 KCI water once drilled to TD. Once casing is at setting depth, circulate a	intermediate casing = 0.380		
x	x	17 1/2	J-55 BTC	Pittsburgh Coal	284	294	AIR	30% Excess Yield = 1.18	joint to 100 form surface	minimum of one hole volume prior to pumping	wall thickness Burst=2730 psi		
				Surface Casing	694	694		surrace	cement.				
				2nd Salt Sand	1377	1413		15.6ppg Class A		Fill with KCI water once			
				Big Lime	1488	1604		+0.4% Ret, 0.15% Disp. 0.2% AntiFoam.	Bow spring centralizers	drilled to TD. Once casing is	Casing to be ran 250' below		
141		12 3/8	9-5/8" 36# K-55 BTC	Big Injun	1604	1717	AIR	0 125#/sk Lost Circ	every third joint to 100"	at setting depth, circulate a minimum of one hole	the 5th Sand Intermediate casing = 0.352" wall thickness		
N.	l v		K-55 BTG	K-33 B I G	K-33-61-G	Price Formation	1717	2232		20% Excess Yield=1.19	feet from surface.	volume prior to pumping	Burst#3520 psi
				Int. Casing	2017	2017	1	To Surface		cement.			
×	×			Speechley	3019	3065							
Fit.				Java	4570	4665	8.0ppg - 9.0ppg		Rigid Bow Spring every third joint from KOP to				
		8.75" Vertical		Pipe Creek	4665	4752	SOBM	14 8ppg Class A 25 75 0	TOC				
14				Angola	4752	5334		System +2.6% Cement extender.					
m				Rheinstreet	5334	5655		0.7% Fluid Loss additive,		Once at TD, circulate at max			
5	10			Cashaqua	5655	5727		0.45% high temp retarder, 0.2% friction		allowable pump rate for at	Production casing = 0.361° w thickness		
≦ . ≥	Office		5-1/2" 23#	Middlesex	5727	5750	12 Oppg-	reducer		least 6x bottoms up. Once on bottom with casing.	Burst=12640 psi		
OK-	1 8	10 75° Curve	HCP-110	West River	5750	5811	12.5ppg SOBM	10% Excess		circulate a minimum of one	Note: Actual centralizer schedules may be changed		
30	of of		TXP BTC	Burkett	5811	5836	CODM	Yield=1.27	Rigid Bow Spring every	hole volume prior to pumping cement.	due to hole conditions		
10 0	FI.	Ω		Tully Limestone	5836	5860		TOC >= 200°	joint to KOP	partition of the same			
	60	四		Hamilton	5860	5895		above 9.625* shoe					
먹금	D D	S		Marcellus	5895	5950	12.0ppg-						
WV Department of Environmental Protection	of Oil and C			TD Onondaga	14859 MD 5950	5940 TVD	12.5ppg SOBM						
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State of West Virginia Department of Environmental Protection - Office of Oil and Ga. Well Operator's Report of Well Work

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Date completion activiti Verbal plugging (Y/N)			Date completion activities G		
Please note: Operator is	s required to subr	nit a plugging applica	tion within 5 days of verbal	permission to plug	
Freshwater depth(s) ft Salt water depth(s) ft		for offsets	Open mine(s) (Y/N) depths		N
Salt water depth(s) ft Coal depth(s) ft	A 1 A		Void(s) encountered (Y/N) Cavern(s) encountered (Y/N)		N
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Vell cored	Yes 🗆 No	Convention	onal Sidev	vall	Were cu	ttings collected	□ Yes □ No	
ESCRIBE T	HE CENTRA	LIZER PLACEM	ENT USED FO	R EACH C	ASING STRING	No centralizers	used on conductor.	
8 Centralizers on In 48 Centralizers	nermediate String (Bo on Production Strin	w string centralizers on first ig (rigid bow string every	joint to KOP, rigid be	d joint to 100' from ow spring every	surface) third joint from KOP	to top of cement).		
/AS WELL	COMPLETE	AS SHOT HOLE	∃ □ Yes 🚇	No DI	ETAILS			
VAS WELL	COMPLETE	O OPEN HOLE?	⊐Yes	o DET.	AILS			
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Rev.	8/23/13

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API 47- 051 _ 01763 Farm name Controllidated Conf Company Well controlling TVD 03 FHD

	Stage No.	Perforation date	Perforated from MD ft.	Perforated to	Number of Perforations	 Committee(s)	
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STUDULATION INFORMATION PER STAGE

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Please insert additional pages as applicable.

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Shale	3881	4520	.	106-1	
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Pipe Creek Shale	4664	•	4678	nut en founters i	
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Cashaqua	5642	5714	5565	countered	
Middlesex	5714	5.37	5739	not encountere t	
West River	5737	5798	5762	not encountered	
Burkett	5798	5822	5824	not encountered	
Tully Limestone	5822	5848	5848	not encountered	
Hamilton	5848	5883	5875	not encountered	
Marcellus	5883	5936	5910	not encountered	
Onondaga	5936	5944	5964	not encountered	
Huntersville	5944	6158	5972	6191	
Oriskany	6158	6270	6191	6313	
Helderburg	6270	6530	6313	6719	
Bass Island Dolomite	6530	6609	6719	7118	
Salina G Big Lime	6609	6809	7118	7333	
Salina F	6809	7608	7333	8194	
Lockport Dolomite	7608	7930	8194	8541	
Rochester Shale	7930	8235	8541	8869	
Dayton Fm/Packer Shell	8235	8254	8869	8890	

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M.S9L'60,17ot8

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Calculation

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at 79 (RKB) to Mud Line at Slot (SlAf) 97 and	100.62
ale 79 (RKB) in Mean Sen Level	746.82ft
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38°23'48,753"N

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80°47'31.184"W 80°47'31.205"W 80°47'31.218"W 80°47'31.247"W

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80°47'31.105"W 80°47'31.117"W 80°47'31.124"W

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Closure Dist [ft]

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PLS pLS	Closure Dir	District Dis	spinigno,1	- •	
81.0	792,991	30.55	W"244.31,442"W		
15.0	410,792	80.92	W"414.18'74°08	S 2506	
0.28	299.965	12.82	M.,56E1E.Lt.08	14m	
71.0	ELL LOE	76.62	W"228.18'71-98	***	
7,24	161.705	76.67	WitzE, 15'TE'7508	V.	
0.30	302.875	51.16	W"478.18'74'08	V.	
81.0	298.886	28.20	W"898,18'72.08	4m) 1 5-	
2.50	291.923	68'67	W"TEL. 1E'TL'08	0.3	
98.1	280,786	18.88	W"602,15'74°08	1 (4)	
1.35	271.332	88.85	W"872.15'7P'02	:00	
51.5	262,466	47.26	W"9731.6708	10.c	
70.4	253.852	01.59	W"E28.18'74'08	£0.c	17.6
68.1	708.842	78.88	W"070.42:71.98	2011.811	1971
2.65	107.942	105.69	W"372.25'T4'98	1.61 O'T	1/22-
7.92	244,742	122.08	80°47'32,484"W	No. [1 S L101 - 1	0.04
90.č	243,537	146.88	W"122,752"W	4,950,510	19 1027
3.49	241.625	16'971	W"820.EE'T+08	1,2015/27	1 27
2.00	239,573	210.63	W"78E.EE'74°08	11,23710000	1 00
7.04	722.852	84.042	W"047.33.740"W	National Thorne	685
6L't	238.208	781.62	W"911.94.74.08	Na 198'10 days	208
2.86	738.344	28.682	W"E12, AFT 18	No. £28'110 traft	484
91.4	238.416	15 767	W"66277566"W	National Pate	1.63
64.9	238.622	08.515	W. 284. 482" W	Natura 100	
t5.8	238,695	31.555	W"266.45.74.08	N. III III	
92'9	238.848	382.32	W"25.235"W	Netter to	
1,20	738,922	436.60	W"928.25°74°08	Nul × (5'10)	198
235	669.852	85.164	W"114.36.412"W	Sub. 1. 00.	
7.07	538.164	18.242	M £96'9E.Lt.08	4.5,4.00	
75.0	055.755	69.665	ME05'LE,Lt.08	No. 8 / 1 00.6	
07.0	237.013	61'459	N.St0'88.4t.08	5.497L'65.81	15 5/17
07.0	6107.67	61'600	M. C+0'85./+.09	5. 507/ 6C/S	

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1.88	236.740	16'804	W"400.8E'T4°08	1.5		Ξξ,-	
95.0	236,600	50.597	W"201.96.74°08			()	
01.1	536,401	21,718	W"717.96.77.908	210		.9	
9E.1	736.214	41.178	Ma297'0t.2to08	(Val)			
16'0	736,050	17.426	M808'01.Lt.08				
7.57	735.942	61.279	W"166.14'74'08				
09.1	235.985	1025.46	W"288.14'74°08				
85.1	236.034	1075.29	M96871.45380.M				
65.0	236.003	99.2211	M.,776'71.45'08				
75.0	896.255	96'5411	M.19++'Et.Lt.008				
95.0	235.966	1556.30	MuSL6'Et, Lt-08				
t-9.0	735.952	11'9471	M., 265 tt, 2t-08				
18.0	106'552	1326.38	Mag10 Statte 08	115888	963		
77.6	236.117	18.9751	W"482.24'74'08	43.17.45.8			
87.01	856.952	15.7241	W"882.84°74°08	1 Alor 95.8 to			
4.29	238.120	72.7741	W"E10.747608	5. 121 65.8-165			
6t'6	865.952	1527.40	M.418 47.44.08	1 985 \$5.×			
p8.6	241.470	1572.84	W"748.8474°08	Nathersen			
11.22	743.697	87.2191	W"802.94'74°08	N08/795.X-			
21.9	246,118	100025	M480+05.4+08	Na£07.05.8	0.87		
11.7	748.592	88'1041	W"E0E, 12'74°08	15.07 15.	1 881		
16.41	682,122	1744.20	W"247'52.145"W	Nulosas			
60.5	t01't57	16.8771	W"219.52.912"W	Not NES			
0E.01	756.867	¢6'9181	M.949.52.44.08	Salt us			
t1't	258,256	18 2 5 8 1	M., 490' tS, 4to 08	hab mile de			
70.5	259.528	1826,26	W"704,74°08	5/13/12/15			
5.59	762,136	77.7981	W"021.55'77'08	**************************************	51		
89.5	764,552	t7.7491	W"+88.22'74°08	N.S. 2 10.			
7,70	599,809	2000.08	Ma8#9'95,41008	13mil 15 10V			

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7'1		4329.21	Nu252,818,592"W	\7£5'57.6t	E - 1100 by-		1995		P() \(\forall \text{1401}\)
	301,482	16.5424	Mu898'L18to08	N. Str. 1500	4.1				
7.0	066,00€	10.0214	W"181.7184°08	N 660 7.65	16.				1112811
6.0	300,483	4068.26	W"88E,81'84°08	1 1 Se (T. (c)	- 177				544
€.6.€	299,936	85.1865	M.,099'\$1.85.08	16.55 205.18	1. 15	14 11			10 (2584)
6.0	104,992	38.468£	M.916'tL8t.08	N ZZZ 17.61		X3			miens-,
1.5	928,892	78.8088	M.SEI +1.8+.08	A. (\$1 (2.6)					0/890%
.9.E	598.265	3720.62	W"80E.E1'84.08	1. 101 7.61	= 4401				of Farm
7.8	297.530	3638.24	W"457.21'84"W	1815-51,61	15.61:		rans		11/850
pt't	194'967	95.728	M. 180 71.8t. 08	NEL Milital	1 - 3 1 17 1		7 CV		11810
2.28	296.030	38.5745	W. 26.11.362"	086 (1.6ta)			85%		11.846
0.80	295.385	3388.23	W"472,01'84.08	1.84 - 1.6t ···			0.5%		5400
8.7	04L't67	3300.28	W"287.90'84'08	.86 1.61					0,000-
	870'167	3215.25	M.,756'80.8108	088 51.61	3 888.	1.0	£980		of Store
	211'867	86.2515	W"68,266,7W	7 ATTS 166	- 112100		E989		0.1178
89.E	792,137	\$1.720E	Ma085'L0.85.08	11/5-11.61	a cong		(18)		14/11/2
7.0	561.179	59.9792	W"248.8084°08	- £65 Llink					125
5.0	750.227	2895.15	M.940'90.8t.08	N 598 Clibi	1 124				1.751%
1.9	512,682	18.218.2	80°48'05.323"W	1615140 A	(the contract of				11.25
	210.882	5139,59	M179't0.8t.01'	5 771					
061	019'987	5671.66	80°48'04.022"W	4.25					
7.41	841.285	7606.07	- M. 627' E0.85.08	*5					
	283.632	2839.82	M.618'70.81008	7					
8.1	585,129	2471.28	80o48.05139aM	8P1 V-30					
	280.648	2401.50	Mut0t 10.8t 08	41					
	279.032	7333.94	M. E89'00,81.008	1 1881 111					
0.1	517,224	2272,75	Mut20.00.84°08	1 (1)	14.7				
1.5	657.272	t1.7122	Mu80+'65,4+08		\$1				
	273.218	06'7917	M.ELL'85,Lt.08	hors only					
	271,168	71.8012	M.960'85.4408	78*					
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		N9°48'19.133"W	4411.76	302.628	1.15
	4 135 4	s0°48'19.794"W	4497.80	303.145	5.16
	10.1 1	60°48'20.436"W	4582.80	303.650	6.66
		50°48'21.061"W	4668.14	304.167	3.76
	302 EH	+1°48'21,719"W	4755.77	304.643	0.94
		-0°48'22.356"W	4842.26	305.111	1.02
		50°48'23.045"W	4930.88	305.510	7.28
	K - 92	10°48'23.835"W	5022.72	305.788	5.30
	97 8	J°48'24.669"W	5115.73	306.007	0.48
	0 7 0	-0°48'25.468"W	5208.01	306.255	4.98
	Je 1 2,	-0°48'26.241"W	5299.76	306.524	1.54
273= 1	90173 325	80°48'27.028"W	5391.18	306.758	1.29
-4581	1973-342 %	80°48'27.814"W	5483.45	306.996	2.43
18581 G	19'36:087 37	80°48'28.534"W	5573.31	307.280	5.00
18590	3 - 49°36 894 N	80°48'29.184"W	5662.63	307.638	5.09
18605 1.44	39/49/37 691° N	80°48'29.796"W	5749.47	307.999	2.22
1-613	31 10/3 - 160	80°48'30.477"W	5839.43	308.299	5.17
Dx6205 .	J 19'39 199 %	80°48'31.241"W	5931.74	308.515	5.04
186278	3/19/30/01155	80°48'32.034"W	6024.78	308.698	1.30
18635	10° 40'40' 631' N	80°48'32.796"W	6116.42	308.895	1.78
18642	39-4991 360"N	80°48'33.563"W	6209.05	309.090	1.42
16650	10949/42.085°N	80°48'34.336"W	6301.87	309.275	0.66
	** 49°42,820 V	x0°48'35.093"W	6394.42	309.467	1.30
	19'43 55'	80°48'35.823"W	6485.61	309.670	1.29
	PF4 (2)	s0°48'36.531"W	6577.14	309.892	2.29
	1974: 103	80°48'37.207"W	6667.92	310.134	1.68
	49/45 593	80°48'37.841"W	6756.87	310.392	2.46
18/197	49/4/ 7/85	80°48'38.469"W	6845.80	310.648	1.80
1 12	9,19/17 172	80°48'39.134"W	6936.63	310.879	1.65
187128	994948.327	80°48'39.855"W	7028.95	311.061	5.24

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14001/sl STG	Closure Dir	Closure Dist	abutigua.l				
89.1	311.215	66 0717	W"892,0484°08	* 1 1 M T			
₹0,€	395,118	7213.25	W"015,1484°08	N TATEMENT			
3.95	210.116	7304,13	M. £96 14.8t.0s	N. 715'05.61' / E	32 11 31		
2.95	088.118	06.4987	Ma809'748408	- 80E 15.61 1E	Qua - 21 1		1
00.2	566,115	86.3847	Ma218'848'60-	12 190 (En) (N	0 1 0		1.5
19.2	312,115	7581.06	M., 760' tt, 81-03	1. 16275 00 05			3
0.14	312.215	01.4787	M., \$18.74.8500	N 105, E2 101	1		
2.88	312,331	6L'L9LL	W"546.45.642"W	182.48.00	Yes a second		
1.55	312,470	68.038T	M., \$75.84.84.00	150 \$5.65	f(: %)		
Et'9	315.649	LS.526F	Malt0748ta05	92.25.61	37		
3.71	312.876	20.1408	W"E13,747.613"W	N 788.382 N			
£L'9	₽80.E1E	45.1518	M.617'848'5100	MELSON A	** - *		
18.8	313.204	8223.68	W"849,84°0;	E139.6th	*	1	
1.92	313,286	8317.92	W"8ET.94'84'98	\$ 15,000 0		L	
80.5	313,392	19,1148	W"784.02'84"908	3. 185 15 type()	2 007 14	\$1	
1.20	712.517	97,5028	W"891,12'81-08	T- 000 0000 00		8'	
54.1	280.E1E	94.9628	W"988,12'81-908	2 11 10002 1	Sec. 105 1		
10.1	16L EIE	60.6858	N. 925.576*W	× 38%,10908 (9)	\$1 CT\$9.1		
06.6	828.818	49.9278	W"27872879W	FEE CHINGS YE	()tr(1)) K-1		
00.0	268.818	8752.21	W"EE0, E2'81.90%	N 171 70.09.66	70,078 PM		

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MN11-61-11 11, Rev-2

MND-6 Parl

WELLT VILL	COMPO
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1.37	14650





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	11-111	

East ft]	Garage with	Latitude	Longitude	Shape
630796.37	459282,6	39°50'02.450"N	80°48'52.997"W	point
35321.58	45.0.37.1	39°48'58.913"N	80°47'53.496"W	point
0.7172,66	482531.5	39°49'03.564"N	80°47'30.152"W	polygon

Lug_same/Convoient	Wellbore
(50'-4(#P).	MND-6F-HS AWB
4"> (100 k) - (100 k) 76-41	MND-6F-HS AWB
4">+ 20% (7)" - 7" 0j;20" 7	MND-6F-HS AWB
-3/4"> (2015) (. · · ·)	MND-6F-HS AWB
e <8-3(4"> (375) 1 = 3 4627")	MND-6F-HS AWB
	MND-6F-HS AWB

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Operator DBLE EN HARRANTE Area Barshall County
Field Inshall
Facility MND-6 Pad

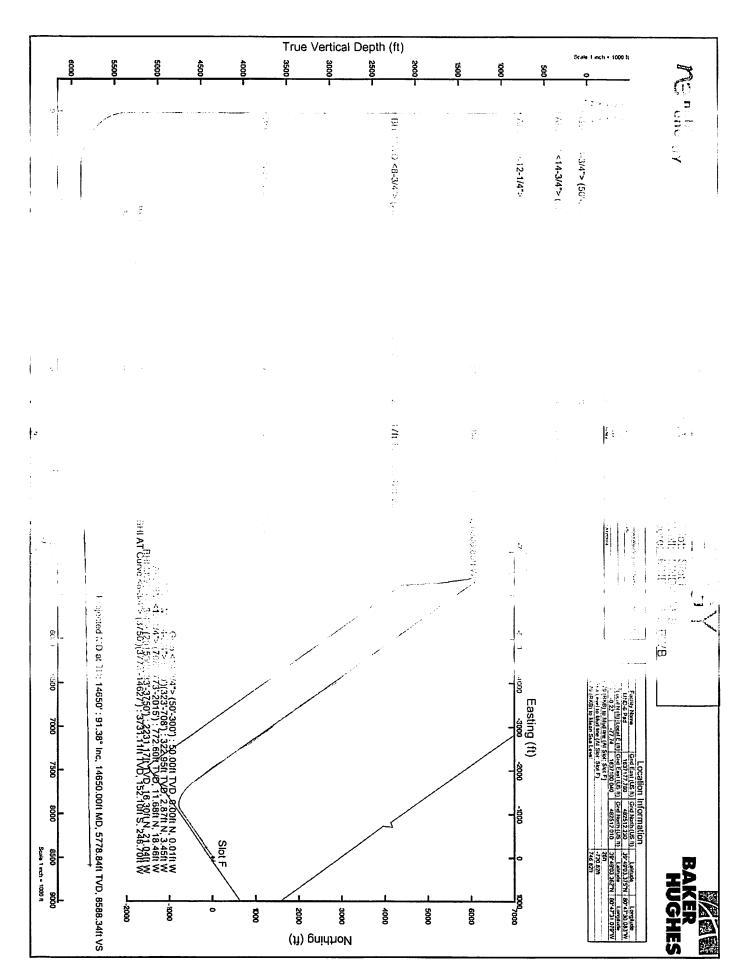
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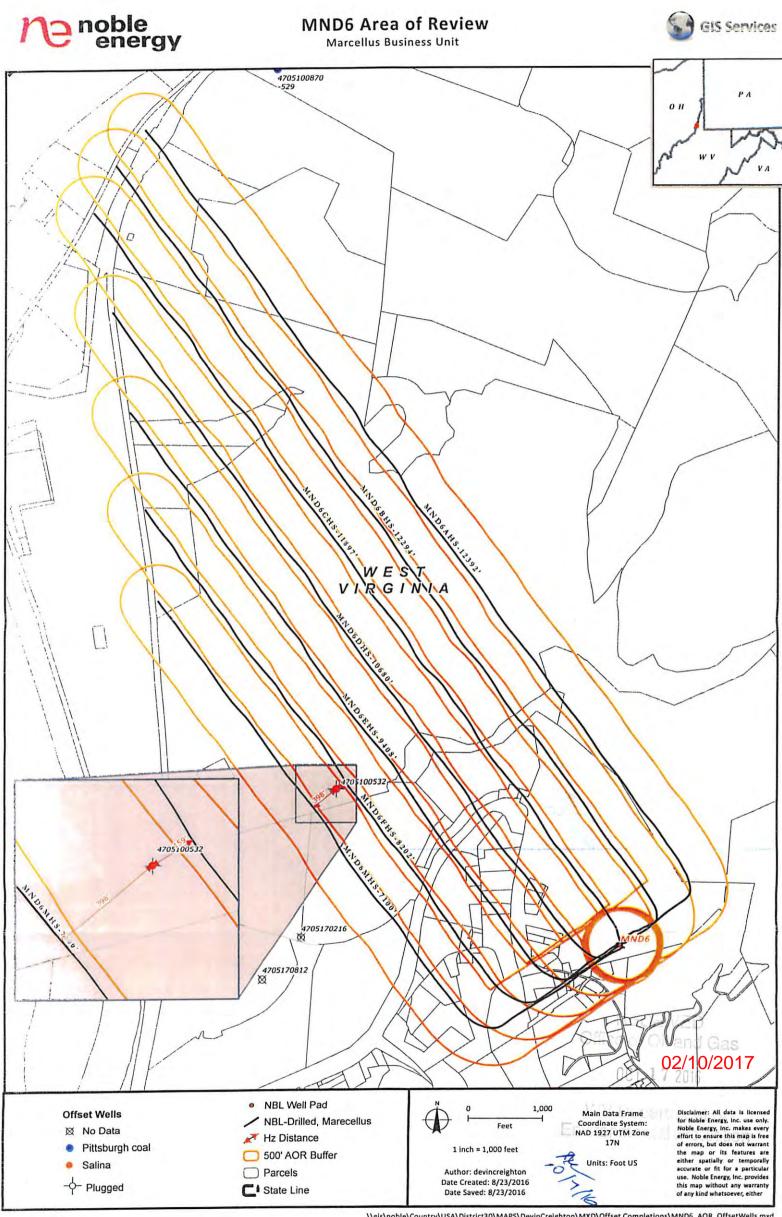
Wellpath . d comments APLET 2-0000 Bill Job #5 117 Right Looms 5()'-300') -"> (300')(1 -"> (708')(1 -"> (201 -Duranon Gyro <14-APS LM APS EM-B111 1111 BIHATE A-3/4">+ Projected Man TD: 1465

Sven Croj: 14650'



13		
	Slot F	
	MND-61-118	
/c	MND-(d'-HS AWB	
		Mark As White





API Number	47 -	051	-	01763

Operator's Well No. MND 6 FHS

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) Fish Creek Unidentified (HUC 10) Quadrangle Powhatan Poi	int
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work?	Yes No No
Will a pit be used? Yes No	
If so, please describe anticipated pit waste: Closed Loop - No Pit will be utlized	
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_	
war was to the same of the sam	
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? Caldium Chloride Powder, Carbo Tec, Carbo Gel2, Carbo Tec S Ecco-Block, Lime, MIL-Carb TM, Mil-Cle Cote, Mil Bar, Next Mul HT, Soda Ash, Potassium Chloride	an, Mil Seal, Next Base eC, Next Drill, Next Hold, Next Mul. Omni.
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfill - see attache	d sheet
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)	
-Landfill or offsite name/permit number? See attached sheet	
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings. West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and where it was properly disposed.	
I certify that I understand and agree to the terms and conditions of the GENERAL W on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environm provisions of the permit are enforceable by law. Violations of any term or condition of the glaw or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar w application form and all attachments thereto and that, based on my inquiry of those ind obtaining the information, I believe that the information is true, accurate, and complete, penalties for submitting false information, including the possibility of fine or imprisonment. Company Official Signature	ental Protection. I understand that the general permit and/or other applicable ith the information submitted on this ividuals immediately responsible for
Company Official (Typed Name) Dee Swiger \	OFFICIVED
Company Official Title Regulatory Analyst, III	mend Gas
	OCT 1.7 2016
Subscribed and sworn before me this 10th day of October.	20 COMMONWEALTH OF PENNSYLVANI
Rogina Lague Nota	NOTARIAL SEAL Try Public Regina Logue, Notary Public
0 1 7 7018	New Sewickley Twp., Beaver County My Commission (120/rds) 12 (121/2018
My commission expires July 1, 2010	MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIE

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A STATE OF THE STATE OF THE STATE OF

NOTARIAL SEAL

Regina Legue, Notary Public

New Sewickley Twp., Beaver County

My Commission Expires July 7, 2013

MERER, PERRSYLVARIA ASSOCIATION OF NOTARIES

Proposed Revegetation Trea	atment: Acres Disturbed 9	.6 Prevegetation pl	Η
Lime 2 to 3		ct to pH	
Fertilizer type 10-			
Fertilizer amount	500	lbs/acre	
Mulch_ Hay or S	Straw at 2	_Tons/acre	
		Seed Mixtures	
T	emporary	Perma	anent
Seed Type Tall Fescue	lbs/acre 40	Seed Type Tall Fescue	lbs/acre 40
Ladino Clover	5	Ladino Clover	5
See site plans fo	or full list	See site plans for fu	II list
Maps(s) of road, location, p provided). If water from the acreage, of the land applicat	pit will be land applied, inc	d application (unless engineered plans inclucted by the pit, and the dimensions (L \times W \times D) of the pit, and	ding this info have been d dimensions (L x W), a
provided). If water from the acreage, of the land applicate Photocopied section of invo	pit will be land applied, inc tion area.	clude dimensions (L x W x D) of the pit, and	ding this info have been d dimensions (L x W), a
Maps(s) of road, location, p provided). If water from the acreage, of the land applicate Photocopied section of invo	pit will be land applied, inc tion area.	clude dimensions (L x W x D) of the pit, and	ding this info have been d dimensions (L x W), a
Maps(s) of road, location, p provided). If water from the acreage, of the land applicat	pit will be land applied, inc tion area.	clude dimensions (L x W x D) of the pit, and	ding this info have been d dimensions (L x W), a
Maps(s) of road, location, p provided). If water from the acreage, of the land applicate Photocopied section of invo	pit will be land applied, inc tion area.	clude dimensions (L x W x D) of the pit, and	ding this info have been d dimensions (L x W), a
Maps(s) of road, location, p provided). If water from the acreage, of the land applicate Photocopied section of invo	pit will be land applied, inc tion area.	clude dimensions (L x W x D) of the pit, and	ding this info have been d dimensions (L x W), a
Maps(s) of road, location, p provided). If water from the acreage, of the land applicate Photocopied section of invo	pit will be land applied, inc tion area.	clude dimensions (L x W x D) of the pit, and	ding this info have been d dimensions (L x W), a
Maps(s) of road, location, p provided). If water from the acreage, of the land applicate Photocopied section of invo	e pit will be land applied, incition area. Plyed 7.5' topographic sheet.	clude dimensions (L x W x D) of the pit, and	ding this info have beed dimensions (L x W),

Cuttings Disposal/Site Water

Cuttings – Haul off Company:

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

Waste Management 200 Rangos Lane Washington, PA 15301 724-222-3272

Environmental Coordination Services & Recycling (ECS&R) 3237 US Highway 19 Cochranton, PA 16314 814-425-7773

Disposal Locations:

Apex Environnemental, 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 Inc. Permit #R30-079001 05-2010 4301 Sycamore Ridge Road Hurricane, WV 25526 304-562-2611

Max Environnemental Technologies, Inc. Facility Permit # PAD004835146 / 301071 233 Max Lane Yukon, PA 25968 724-722-3500

Max Environnemental Technologies, Inc. Facility Permit # PAD05087072 / 301359 200 Max Drive Bulger, PA 15019 724-796-1571

Waste Management Kelly Run Permit # 100663 1901 Park Side Drive Elizabeth, PA 15037 412-384-7569

Waste Management South Hills (Arnoni) Permit # 100592 3100 Hill Road Library, PA 15129 724-348-7013 412-384-7569

Waste Management Arden Permit # 100172 200 Rangos Lane Washington, PA 15301 724-222-3272

Waste Management Meadowfill Permit # 1032 1488 Dawson Drive Bridgeport, WV 26330

Brooke County Landfill Permit # SWF-103-97 / WV 0109029 Rd 2 Box 410 Colliers, WV 26035 304-748-0014 Curd Carlo Gas

OCT 17 2016

02/10/2017

Wetzel County Landfill Permit # SWF-1021-97 / WV 0109185 Rt 1 Box 156A New Martinsville, WV 26035 304-455-3800

Energy Solutions, LLC Permit # UT 2300249 423 West 300 South Suite 200 Salt Lake City, UT 84101

Energy Solutions Services, Inc. Permit # R-73006-L24 1560 Bear Creek Road Oak Ridge, TN 37830

Northern A-1 Environnemental Services Permit ID MID020906814 3947 US 131 North, PO Box 1030 Kalkaska, MI 49646 231-258-9961

Water Haul off Companies:

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

Nabors Completion & Production Services Co. PO Box 975682 Dallas, TX 75397-5682

Select Energy Services, LLC PO Box 203997 Dallas, TX 75320-3997

Nuverra Environmental Solutions 11942 Veterans Memorial Highway Masontown, WV 26542

Mustang Oilfield Services LLC PO Box 739 St. Clairsville, OH 43950

Wilson's Outdoor Services, LLC 456 Cracraft Road Washington, PA 15301

Disposal Locations:

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
330-536-6825

Adams #1 (Buckeye Brine, LLC) Permit # 34-031-2-7177 23986 Airport Road Coshocton, OH 43812 740-575-4484 512-478-6545 CMS of Delaware Inc. DBA CMS Oilfield Serv 301 Commerce Drive Moorestown, NJ 08057

Force, Inc. 1380 Rte. 286 Hwy. E, Suite 303 Indiana, PA 15701

Solo Construction P.O. Box 544 St. Mary's, WV 26170

Equipment Transport 1 Tyler Court Carlisle, PA 17015

Myers Well Service, Inc.

2001 Ballpark Court (1) Court (2) Court (3) Court (3) Court (4) Court (4) Court (5) Court (5) Court (6) Court

Burns Drilling & Excavating 6 618 Crabapple Road P.O. Box 41 Wind Ridge, PA 15380

Nichlos 1-A (SWIW #13) Permit # 3862 300 Cherrington Pkwy, Suite 200 Coraopolis, PA 15108 412-329-7275

Groselle (SWIW #34) Permit # 4096 Rt. 88 Garrettsville, OH 713-275-4816

Kemble 1-D Well Permit # 8780 7675 East Pike Norwich, Oh 43767 614-648-8898 740-796-6495

02/10/2017

Adams #2 (Buckeye Brine, LLC) 2205 Westover Road Austin Tx 78703 Permit # 34-031-2-7178 740-575-4484 512-478-6545

Adams #3 (Buckeye Brine, LLC) Permit #34-031-2-7241-00-00 2630 Exposition, Suite 117 Austin, TX 78703 512-478-6545

Mozena #1 Well (SWIW # 13) Permit # 34-157-2-5511-00-00 5367 E. State Street Newcomerstown, OH 43832 740-763-3966

Goff SWD #1 (SWIW # 27)
Permit # 34-119-2-8776-000
300 Cherrington Pkwy, Suite 200
Coraopolis, PA 15108
412-329-7275

SOS D#1 (SWIW #12) Permit # 34-059-2-4202-00-00 Silcor Oilfield Services, Inc. 2939 Hubbard Road Youngstown, PH 44505

Dudley #1 UIC (SWIW #1) Permit # 34-121-2-2459-00-00 Select Energy Services, LLC 7994 S. Pleasants Hwy St. Marys, WV 26170 304-665-2652 OH UIC #1 Buckeye UIC Barnesville 1 & 2 CNX Gas Company, LLC 1000 Consol Energy Drive Permit # 34-013-2-0609-00-00 Permit # 34-013-2-0614-00-00 304-323-6568

US Steele 11385 Permit # 47-001-00561 200 Evergreen Drive Waynesburg, PA 15730 304-323-6568

Chapin #7 UIC (SWIW #7)
Permit # 34-083-2-4137-00-00
Elkhead Gas& Oil Company
12163 Marne Rd. NE
Newark, OH 43055
740-763-3966

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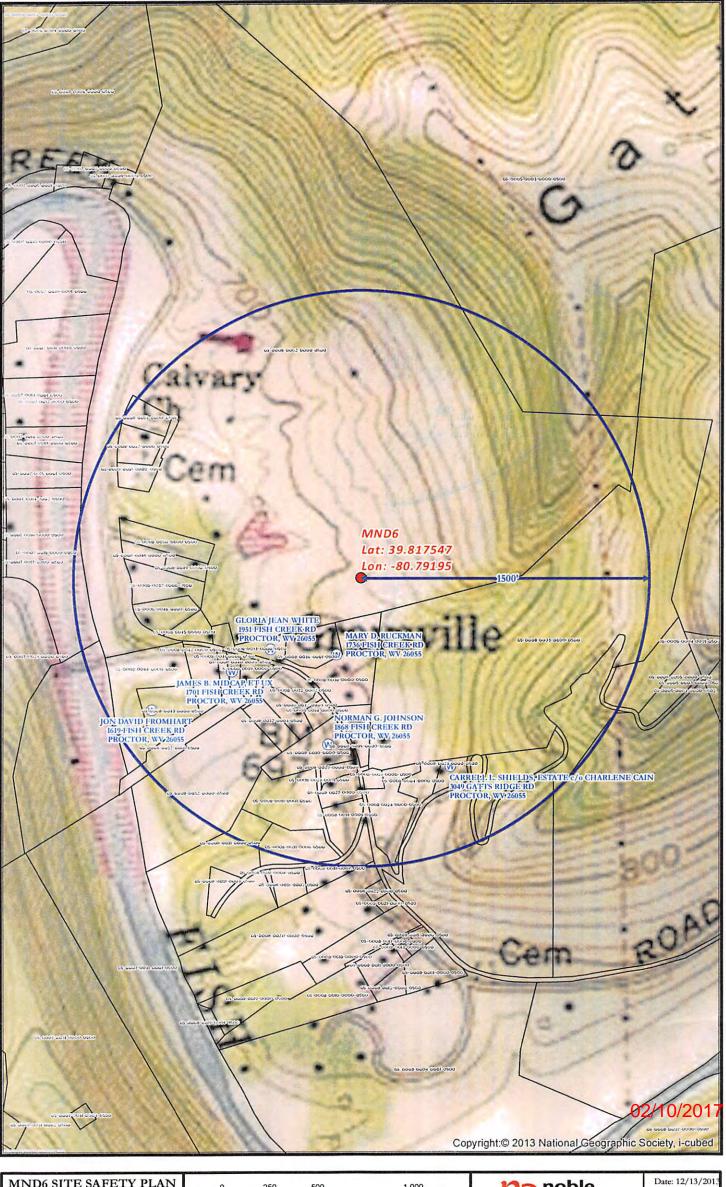


Site Safety Plan
Noble Energy, Inc.
MND 6 Well Pad
1652 Fish Creek Road
Proctor, WV
July 2015: Version 2

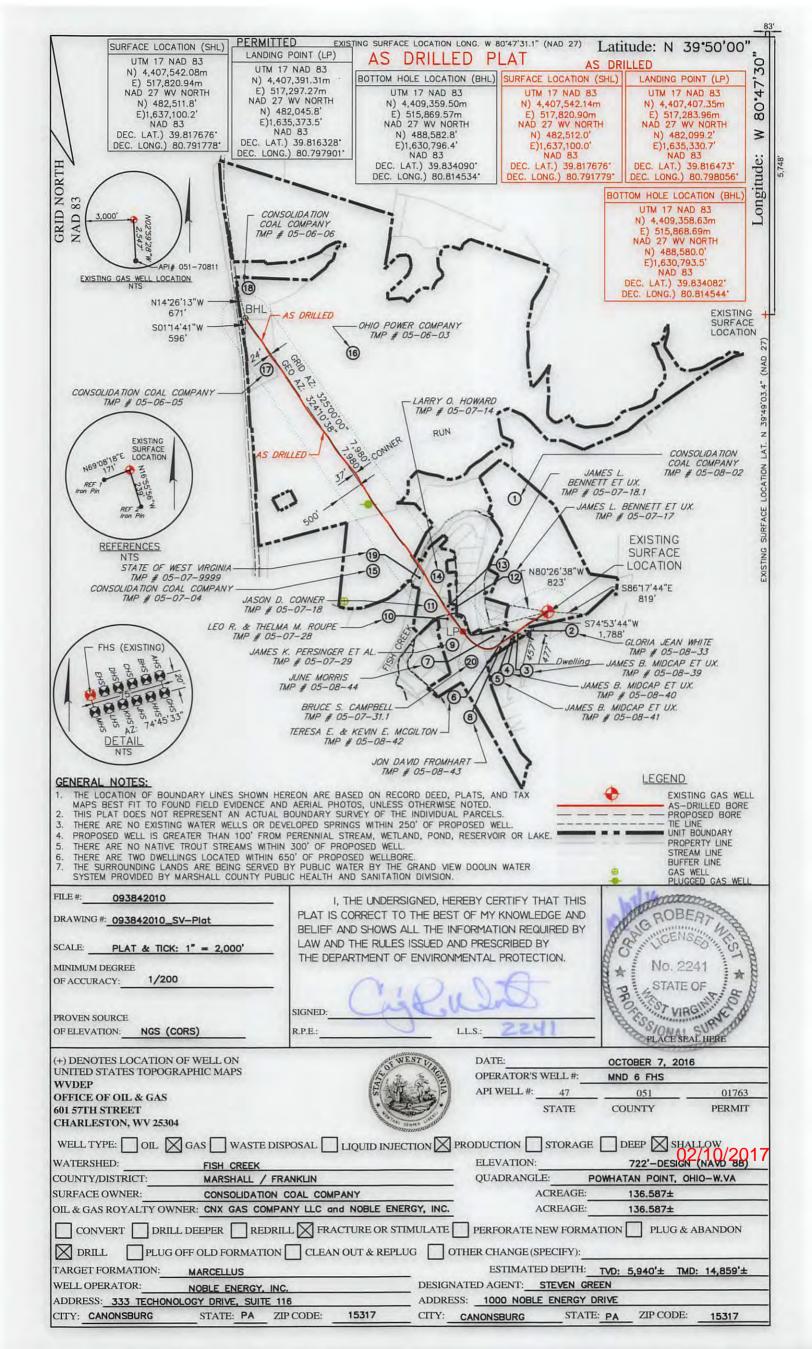
For Submission to
West Virginia Department of Environmental Protection,
Office of Oil and Gas

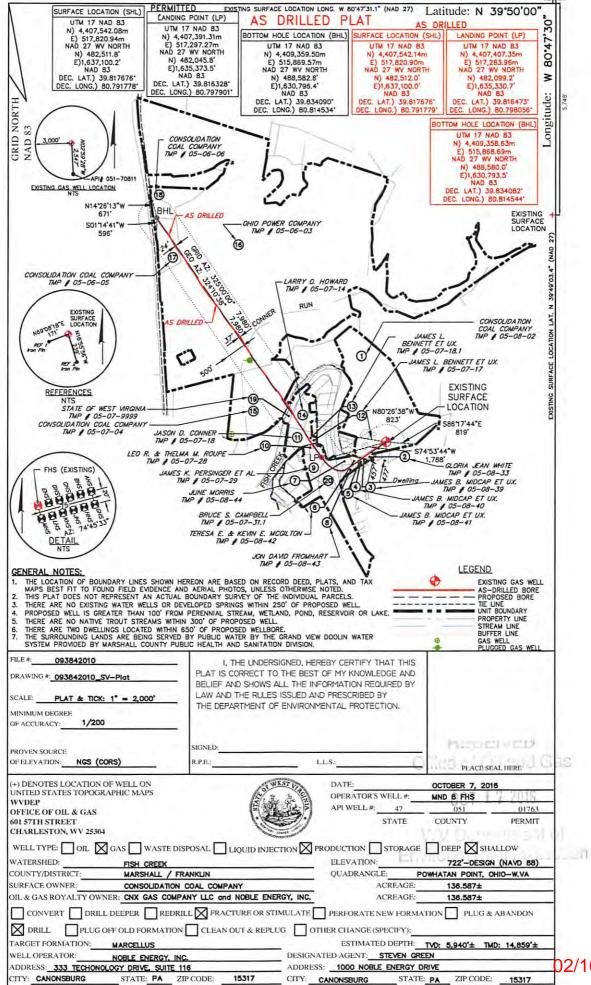
Noble Energy, Inc.
Appalachia Offices
1000 Noble Energy Drive
Canonsburg, PA 15317-9504

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

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

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

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
1)	Consolidation Coal Company	CNX Gas Company, LLC	100%/Fee	646/493
	CNX Gas Company, LLC	Noble Energy, Inc.	100%/Fee	752/66
2) Q079184000	Gloria Jean White and Milton Christopher White	Noble Energy, Inc.	Not less than 1/8	808/392
3) Q076644000	James B. Midcap and Diana K. Midcap	Noble Energy, Inc.	Not less than 1/8	803/336
4) Q078626020	Trudy B. Sampson and Danny Sampson	Noble Energy, Inc.	Not less than 1/8	825/260
Q078626015	Deborah D, Mercer and Calvin P. Mercer	Noble Energy, Inc.	Not less than 1/8	821/22

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

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

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

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

Well Operator:

By:

Its:

Noble Energy, Inc.

Pollution

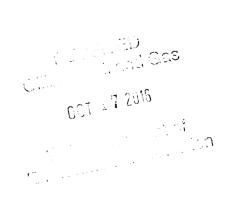
And Negotiation Separator

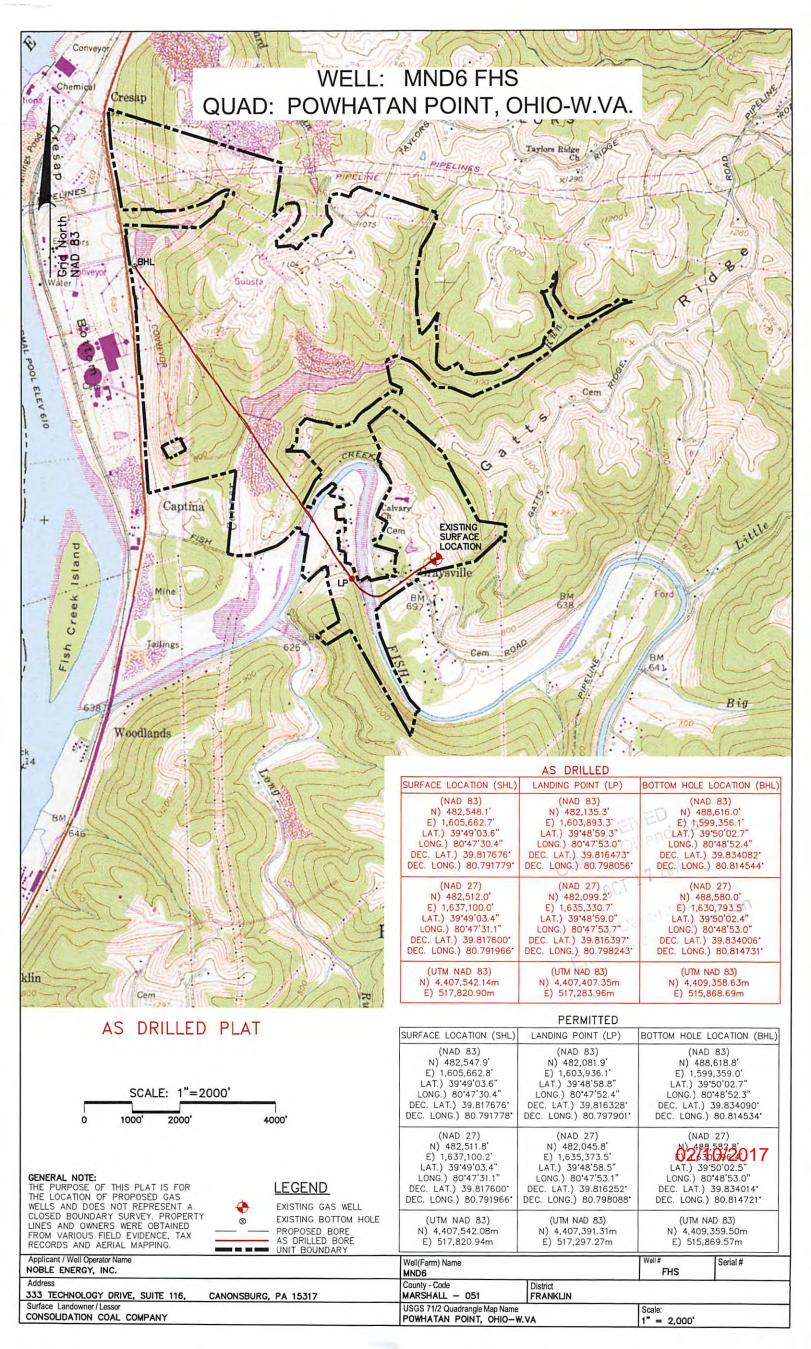
Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
	Brian Edwin Lemasters and Beverly J.		1	1
4 continued) Q078626016	Lemasters	Noble Energy, Inc.	Not less than 1/8	821/24
007050500	Timothy Scott Lemasters and Amy C.	N. 11. C	No. los des de 10	007/460
Q078626022 Q078626021	Lemasters	Noble Energy, Inc.	Not less than 1/8 Not less than 1/8	827/162 827/164
Q078626028	Mary L. Parriott Patricia Parriott	Noble Energy, Inc. Noble Energy, Inc.	Not less than 1/8	828/270
Q078626027	Betty Jane Parriott	Noble Energy, Inc.	Not less than 1/8	828/265
W. 102021	Frances O. Hall, a/k/a Ornetta	Nobic Energy, me.	11001035 (11011 270	020,200
Q078626019	Parriott	Noble Energy, Inc.	Not less than 1/8	825/258
	Southeastern Guide Dogs Inc., Titus			
Q078626017	Herman CEO Guide Dogs	Noble Energy, Inc.	Not less than 1/8	820/516
Q078626024	Shriners Hospitals For Children	Noble Energy, Inc.	Not less than 1/8	829/141
Q078626025	Courtney D. Hall	Noble Energy, Inc.	Not less than 1/8	829/147
Q078626001	Lucille E. Wingrove	Noble Energy, Inc.	Not less than 1/8	810/80
Q078626012	Justin Smith A/K/A Justine Smith	Noble Energy, Inc.	Not less than 1/8	819/307
Q078626013		Noble Energy, Inc.	Not less than 1/8	819/303
	Marilyn Ulbrich Chalmers and Rod N.		l	J
Q078626010	Chalmers	Noble Energy, Inc.	Not less than 1/8	820/506
Q078626009	H. Jay Uibrich	Noble Energy, Inc.	Not less than 1/8	819/309
0079526022	Price E Hilbrigh and Edge 84 Hilbrigh	Mohlo Enormy too	Not loss than 1/0	925/209
Q078626023	Bryce E. Ulbrich and Edna M. Ulbrich Blye Ulbrich Jenschke and Jim	INODIE ETIEFRY, INC.	Not less than 1/8	825/298
Q078626011	Jenschke	Noble Energy, Inc.	Not less than 1/8	819/305
Q078626026	Blasé Joseph Ulcak, Jr.	Noble Energy, Inc.	Not less than 1/8	829/127
Q078626036	Martha Frances Ulcak	Noble Energy, Inc.	Not less than 1/8	832/588
Q070020030	IVIGITIA FIGURES OICAN	Hoose Chergy, mc.	Not less than 1/0	652/366
	Janice R. Crook a/k/a Janice			
Q078626005	Wingrove Crook and Donald P. Crook	Noble Energy, Inc.	Not less than 1/8	808/305
Q078626003	June Morris	Noble Energy, Inc.	Not less than 1/8	808/301
	Nancy L. Snyder a/k/a Nancy	0,,		
Q078626004	Wingrove Snyder	Noble Energy, Inc.	Not less than 1/8	808/309
	Kenneth R. Morris and Dawn E.			
Q078626002	Morris	Noble Energy, Inc.	Not less than 1/8	808/303
	Harry Leroy Parriott and Nancy S.			
Q078626014	Parriott	Noble Energy, Inc.	Not less than 1/8	820/508
Q078626018	Kimberly D. Lake	Noble Energy, Inc.	Not less than 1/8	825/272
	James B. Midcap and Diana K.		l	l
Q078626031	Midcap	Noble Energy, Inc.	Not less than 1/8	829/165
	T. d. D. C			
r\ 0078626020	Trudy B. Sampson and Danny	Mahla Caasa, Jaa	Net less than 1/0	925 /260
5) Q078626020	Sampson Deborah D. Mercer and Calvin P.	Noble Energy, Inc.	Not less than 1/8	825/260
Q078626015	Mercer	Noble Energy, Inc.	Not less than 1/8	821/22
Q076020015	Brian Edwin Lemasters and Beverly J.	Noble Chergy, Inc.	Hot less than 170	021/22
Q078626016	Lemasters	Noble Energy, Inc.	Not less than 1/8	821/24
	Timothy Scott Lemasters and Amy C.		100,000 0,000 0,000	
Q078626022	Lemasters	Noble Energy, Inc.	Not less than 1/8	827/162
Q078626021	Mary L. Parriott	Noble Energy, Inc.	Not less than 1/8	827/164
Q078626028	Patricia Parriott	Noble Energy, Inc.	Not less than 1/8	828/270
Q078626027	Betty Jane Parriott	Noble Energy, Inc.	Not less than 1/8	828/265
	Frances O. Hall, a/k/a Ornetta			
Q078626019	Parriott	Noble Energy, Inc.	Not less than 1/8	825/258
	Southeastern Guide Dogs Inc., Titus			
Q078626017	Herman CEO Guide Dogs	Noble Energy, Inc.	Not less than 1/8	820/516
Q078626024	Shriners Hospitals For Children	Noble Energy, Inc.	Not less than 1/8	829/141
Q078626025	Courtney D. Hall	Noble Energy, Inc.	Not less than 1/8	829/147
Q078626001	Lucille E. Wingrove	Noble Energy, Inc.	Not less than 1/8	810/80
Q078626012	Justin Smith A/K/A Justine Smith	Noble Energy, Inc.	Not less than 1/8	819/307
Q078626013	Robert Lee Smith and Betsy K. Smith	Noble Energy, Inc.	Not less than 1/8	819/303
Q070040013	Marilyn Ulbrich Chalmers and Rod N.	INODIE CHEIBY, IIIC.	HOLIESS CHAIL 1/0	013/303
Q078626010	Chalmers	Noble Energy, Inc.	Not less than 1/8	820/506
Q078626009	H. Jay Ulbrich	Noble Energy, Inc.	Not less than 1/8	819/309

				<u> </u>
	Blye Ulbrich Jenschke and Jim			
Q078626011	Jenschke	Noble Energy, Inc.	Not less than 1/8	819/305
Q078626026	Blasé Joseph Ulcak, Jr.	Noble Energy, Inc.	Not less than 1/8	829/127
Q078626036	Martha Frances Ulcak	Noble Energy, Inc.	Not less than 1/8	832/588
	Janice R. Crook a/k/a Janice			
Q078626005	Wingrove Crook and Donald P. Crook	Noble Energy, Inc.	Not less than 1/8	808/305
Q078626003	June Morris	Noble Energy, Inc.	Not less than 1/8	808/301
	Nancy L. Snyder a/k/a Nancy			
Q078626004	Wingrove Snyder	Noble Energy, Inc.	Not less than 1/8	808/309
	Kenneth R. Morris and Dawn E.			
Q078626002	Morris	Noble Energy, Inc.	Not less than 1/8	808/303
	Harry Leroy Parriott and Nancy S.			
Q078626014	Parriott	Noble Energy, Inc.	Not less than 1/8	820/508
Q078626018	Kimberly D. Lake	Noble Energy, Inc.	Not less than 1/8	825/272
	James B. Midcap and Diana K.			
Q078626031	Midcap	Noble Energy, Inc.	Not less than 1/8	829/165
	Trudy B. Sampson and Danny			
6) Q078626020	Sampson	Noble Energy, Inc.	Not less than 1/8	825/260
	Deborah D. Mercer and Calvin P.			
Q078626015	Mercer	Noble Energy, Inc.	Not less than 1/8	821/22
40.0020013	Brian Edwin Lemasters and Beverly J.	itobic zitalgy, ite.	110(1035 (1101) 2/0	
Q078626016	,	Noble Energy, Inc.	Not less than 1/8	821/24
4078020010	Timothy Scott Lemasters and Amy C.	Noble Energy, Inc.	NOCICSS CHAIT 1/O	021/24
Q078626022	Lemasters	Noble Energy, Inc.	Not less than 1/8	827/162
Q078626021		Noble Energy, Inc.	Not less than 1/8	827/164
Q078626028	Patricia Parriott	Noble Energy, Inc.	Not less than 1/8	828/270
		****	Not less than 1/8	828/265
Q078626027	Betty Jane Parriott	Noble Energy, Inc.	Not less than 1/8	020/203
0070525040	Frances O. Hall, a/k/a Ornetta	Nahla Saara . Jaa	Net less than 1/0	935 /359
Q078626019	Parriott Could Devolute The	Noble Energy, Inc.	Not less than 1/8	825/258
0070505047	Southeastern Guide Dogs Inc., Titus		N-41454/0	820/516
Q078626017		Noble Energy, Inc.	Not less than 1/8	820/516
Q078626024	Shriners Hospitals For Children	Noble Energy, Inc.	Not less than 1/8	829/141
Q078626025	Courtney D. Hall	Noble Energy, Inc.	Not less than 1/8	829/147
Q078626001		Noble Energy, Inc.	Not less than 1/8	810/80
Q078626012	Justin Smith A/K/A Justine Smith	Noble Energy, Inc.	Not less than 1/8	819/307
l				040/202
Q078626013	Robert Lee Smith and Betsy K. Smith	Noble Energy, Inc.	Not less than 1/8	819/303
l	Marilyn Ulbrich Chalmers and Rod N.	l		222 /226
Q078626010	Chalmers	Noble Energy, Inc.	Not less than 1/8	820/506
Q078626009	H. Jay Ulbrich	Noble Energy, Inc.	Not less than 1/8	819/309
Q078626023	Bryce E. Ulbrich and Edna M. Ulbrich	Noble Energy, Inc.	Not less than 1/8	825/298
i	Blye Ulbrich Jenschke and Jim			
Q078626011	Jenschke	Noble Energy, Inc.	Not less than 1/8	819/305
Q078626026	Blasé Joseph Ulcak, Jr.	Noble Energy, Inc.	Not less than 1/8	829/127
Q078626036	Martha Frances Ulcak	Noble Energy, Inc.	Not less than 1/8	832/588
i				
	Janice R. Crook a/k/a Janice			
Q078626005	Wingrove Crook and Donald P. Crook		Not less than 1/8	808/305
Q078626003	June Morris	Noble Energy, Inc.	Not less than 1/8	808/301
	Nancy L. Snyder a/k/a Nancy			
Q078626004	Wingrove Snyder	Noble Energy, Inc.	Not less than 1/8	808/309
1	Kenneth R. Morris and Dawn E.			
Q078626002	Morris	Noble Energy, Inc.	Not less than 1/8	808/303
	Harry Leroy Parriott and Nancy S.			化自用油油油
Q078626014	Parriott	Noble Energy, Inc.	Not less than 1/8	820/508 <u> </u>
Q078626018	Kimberly D. Lake	Noble Energy, Inc.	Not less than 1/8	825/272
	Trudy B. Sampson and Danny		(LT 17 2016
7) Q078626020	Sampson	Noble Energy, Inc.	Not less than 1/8	825/260
	Deborah D. Mercer and Calvin P.			
Q078626015	Mercer	Noble Energy, Inc.	Not less than 1/8	821/22
	Brian Edwin Lemasters and Beverly J.			5,101
Q078626016	Lemasters	Noble Energy, Inc.	Not less than 1/8	821/24
	Timothy Scott Lemasters and Amy C.		E 1	
Q078626022	Lemasters	Noble Energy, Inc.	Not less than 1/8	827/162
Q078626021	Mary L. Parriott	Noble Energy, Inc.	Not less than 1/8	827/164
· · · · · · · · · · · · · · · · · · ·				

			T	I
Q078626028	Patricia Parriott	Noble Energy, Inc.	Not less than 1/8	828/270
Q078626027	Betty Jane Parriott	Noble Energy, Inc.	Not less than 1/8	828/265
	Frances O. Hall, a/k/a Ornetta			
Q078626019	Parriott	Noble Energy, Inc.	Not less than 1/8	825/258
	Southeastern Guide Dogs Inc., Titus	1		
Q078626017	Herman CEO Guide Dogs	Noble Energy, Inc.	Not less than 1/8	820/516
Q078626024	Shriners Hospitals For Children	Noble Energy, Inc.	Not less than 1/8	829/141
Q078626025	Courtney D. Hall	Noble Energy, Inc.	Not less than 1/8	829/147
Q078626001	Lucille E. Wingrove	Noble Energy, Inc.	Not less than 1/8	810/80
Q078626012	Justin Smith A/K/A Justine Smith	Noble Energy, Inc.	Not less than 1/8	819/307
		[<u> </u>		0.0700
Q078626013	Robert Lee Smith and Betsy K. Smith	Noble Energy, Inc.	Not less than 1/8	819/303
0070505040	Marilyn Ulbrich Chalmers and Rod N.	l		000/505
Q078626010	Chalmers	Noble Energy, Inc.	Not less than 1/8	820/506
Q078626009	H. Jay Ulbrich	Noble Energy, Inc.	Not less than 1/8	819/309
0078626022	Davies C. Lillewick and Colon 84. Lillewick	Makia Fassari Jan	Not less than 1/0	025 (200
Q078626023	Bryce E. Ulbrich and Edna M. Ulbrich	Noble Energy, Inc.	Not less than 1/8	825/298
0078636011	Blye Ulbrich Jenschke and Jim	Nahla Saassa Laa	National and 10	040/205
Q078626011 Q078626026	Jenschke	Noble Energy, Inc.	Not less than 1/8 Not less than 1/8	819/305 829/127
Q078626036	Blasé Joseph Ulcak, Jr.	Noble Energy, Inc.		
Q078626036	Martha Frances Ulcak	Noble Energy, Inc.	Not less than 1/8	832/588
	Janice R. Crook a/k/a Janice			
Q078626005	Wingrove Crook and Donald P. Crook	Noble Energy Inc	Not less than 1/8	808/305
Q076469000	June Morris	Noble Energy, Inc.	 	
4076469000	Nancy L. Snyder a/k/a Nancy	Noble Energy, Inc.	Not less than 1/8	802/275
Q078626004	Wingrove Snyder	Noble Energy, Inc.	Not loss than 1/0	808/309
Q078020004	Kenneth R. Morris and Dawn E.	Noble Effergy, fric.	Not less than 1/8	808/309
Q078626002	Morris	Noble Energy, Inc.	Not less than 1/8	808/303
4078020002	Harry Leroy Parriott and Nancy S.	Noble Ellergy, Inc.	NOC less than 1/6	808/303
Q078626014	Parriott	Noble Energy, Inc.	Not less than 1/8	820/508
Q078626018	Kimberly D. Lake	Noble Energy, Inc.	Not less than 1/8	825/272
4076020015	Killiberry D. Lake	Noble Chergy, Inc.	NOC less than 1/6	023/272
	Trudy B. Sampson and Danny			
8) Q078626020	Sampson	Noble Energy, Inc.	Not less than 1/8	825/260
5, 40,0025020	Deborah D. Mercer and Calvin P.	readic Energy, me.	Not less than 170	023/200
Q078626015	Mercer	Noble Energy, Inc.	Not less than 1/8	821/22
40.002025	Brian Edwin Lemasters and Beverly J.	riobic Energy, me.	THE ICSS WIGHT 1/0	021/22
Q078626016	Lemasters	Noble Energy, Inc.	Not less than 1/8	821/24
40.0020010	Timothy Scott Lemasters and Amy C.	reade Energy, me.	Hot less than 270	022/24
Q078626022	Lemasters	Noble Energy, Inc.	Not less than 1/8	827/162
Q078626021	Mary L. Parriott	Noble Energy, Inc.	Not less than 1/8	827/164
Q078626028	Patricia Parriott	Noble Energy, Inc.	Not less than 1/8	828/270
Q078626027	Betty Jane Parriott	Noble Energy, Inc.	Not less than 1/8	828/265
	Frances O. Hall, a/k/a Ornetta		<u> </u>	
Q078626019	Parriott	Noble Energy, Inc.	Not less than 1/8	825/258
	Southeastern Guide Dogs Inc., Titus			
Q078626017	Herman CEO Guide Dogs	Noble Energy, Inc.	Not less than 1/8	820/516
Q078626024	Shriners Hospitals For Children	Noble Energy, Inc.	Not less than 1/8	829/141
Q078626025	Courtney D. Hall	Noble Energy, Inc.	Not less than 1/8	829/147
Q078626012	Justin Smith A/K/A Justine Smith	Noble Energy, Inc.	Not less than 1/8	819/307
Q078626013	Robert Lee Smith and Betsy K. Smith	Noble Energy, Inc.	Not less than 1/8	819/303
· <u> </u>	Marilyn Ulbrich Chalmers and Rod N.			
Q078626010	Chalmers	Noble Energy, Inc.	Not less than 1/8	820/506
Q078626009	H. Jay Ulbrich	Noble Energy, Inc.	Not less than 1/8	819/309
Q078626023	Bryce E. Ulbrich and Edna M. Ulbrich	Noble Energy, Inc.	Not less than 1/8	825/298 ⁻⁾
	Blye Ulbrich Jenschke and Jim			4 J. J. G.C.3
Q078626011	Jenschke	Noble Energy, Inc.	Not less than 1/8	819/305
Q078626026	Blasé Joseph Ulcak, Jr.	Noble Energy, Inc.	Not less than 1/8	829/127
Q078626036	Martha Frances Ulcak	Noble Energy, Inc.	Not less than 1/8 a T	832/588, 10
			001	
	Janice R. Crook a/k/a Janice			1
Q078626005	Wingrove Crook and Donald P. Crook		Not less than 1/8	808/305
Q076469000	June Morris	Noble Energy, Inc.	Not less than 1/8	802/275
	Nancy L. Snyder a/k/a Nancy			
Q078626004	Wingrove Snyder	Noble Energy, Inc.	Not less than 1/8	808/309

	Kenneth R. Morris and Dawn E.			
Q078626002	Morris	Noble Energy, Inc.	Not less than 1/8	808/303
	Harry Leroy Parriott and Nancy S.			
Q078626014	Parriott	Noble Energy, Inc.	Not less than 1/8	820/508
Q078626018	Kimberly D. Lake	Noble Energy, Inc.	Not less than 1/8	825/272
Q077358001	Jon David Fromhart	Noble Energy, Inc.	Not less than 1/8	805/580
	James K. Persinger and Tonda J.			
9)	Persinger	TriEnergy Holdings, LLC	Not less than 1/8	711/359
	TriEnergy Holdings, LLC	NPAR, LLC	N/A	24/430
	NPAR, LLC	Chevron U.S.A. Inc.	N/A	756/332
	TriEnergy Holdings, LLC	Chevron U.S.A. Inc.	N/A	28/356
	Chevron U.S.A. Inc.	Noble Energy, Inc.	N/A	31/59
10)	Leo R. Roupe and Thelma M. Roupe	TriEnergy Holdings, LLC	Not less than 1/8	712/550
,	TriEnergy Holdings, LLC	NPAR, LLC	N/A	24/430
	NPAR, LLC	Chevron U.S.A. Inc.	N/A	756/332
	TriEnergy Holdings, LLC	Chevron U.S.A. Inc.	N/A	28/356
	Chevron U.S.A. Inc.	Noble Energy, Inc.	N/A	31/59
		itobic Etiergy, ittel	.,,,,	32,03
11)	Consolidation Coal Company	CNX Gas Company LLC	100%/Fee	646/493
	CNX Gas Company LLC	Noble Energy, Inc.	100%/Fee	752/66
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
12)	Consolidation Coal Company	CNX Gas Company LLC	100%/Fee	646/493
	CNX Gas Company LLC	Noble Energy, Inc.	100%/Fee	752/66
		<u> </u>		
13)	Consolidation Coal Company	CNX Gas Company LLC	100%/Fee	646/493
	CNX Gas Company LLC	Noble Energy, Inc.	100%/Fee	752/66
14)	Consolidation Coal Company	CNX Gas Company LLC	100%/Fee	646/493
	CNX Gas Company LLC	Noble Energy, Inc.	100%/Fee	752/66
15)	Consolidation Coal Company	CNX Gas Company LLC	100%/Fee	646/493
	CNX Gas Company LLC	Noble Energy, Inc.	100%/Fee	752/66
16)	Consolidation Coal Company	CNX Gas Company LLC	100%/Fee	646/493
	CNX Gas Company LLC	Noble Energy, Inc.	100%/Fee	752/66
17)	Consolidation Coal Company	CNX Gas Company LLC	100%/Fee	646/493
	CNX Gas Company LLC	Noble Energy, Inc.	100%/Fee	752/66
18)	Consolidation Coal Company	CNX Gas Company LLC	100%/Fee	646/493
	CNX Gas Company LLC	Noble Energy, Inc.	100%/Fee	752/66
		<u> </u>		
	West Virginia Division of Natural			
19) Q091960000	Resources	Noble Energy, Inc.	Not less than 1/5	865/558
20) Q075562000	Elizabeth Anne Moore	Noble Energy, Inc.	Not less than 1/8	806/302







Office of Oil & Gas 601 57th street, SE Charleston, WV 25304-2345 October 5, 2016

Re: Drilling Under Roads

To Whom It May Concern:

Noble Energy, Inc. has the right to drill, stimulate and produce wells that are drilled under the County and State Roads as designated on the plats.

Should you have any questions or desire additional information, please do not hesitate to contact me at <u>dee.swiger@nblenergy.com</u> or 724-820-3061.

Sincerely,

Dee Swiger

Regulatory Analyst, III

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

		API No. 47- 051	-01/63	
	ce Certification: 16.10.16	Operator's Well N		
		Well Pad Name:		
Notice has	been given:			
Pursuant to the	ne provisions in West Virginia Code	§ 22-6A, the Operator has provided the required p	arties with the Notice Forms listed	
	tract of land as follows:			
State:	West Virginia	UTM NAD 83 Easting: 51782		
County:	Marshall	Northing: 440/5	4407542.08 CR 7/4-Fish Creek Rd Consol (now owned by Murray American Energy DBA Consolidation C	
District:	Franklin			
Quadrangle:	Powhatan Point	Generally used farm name: Consol(n		
Watershed:	Fish Creek Unidentified (HUC 10)			
it has provid information r of giving the requirements Virginia Cod	ed the owners of the surface descr equired by subsections (b) and (c), s surface owner notice of entry to s of subsection (b), section sixteen	shall contain the following information: (14) A ceibed in subdivisions (1), (2) and (4), subsection ection sixteen of this article; (ii) that the requirement urvey pursuant to subsection (a), section ten of the of this article were waived in writing by the surtender proof of and certify to the secretary that the nt.	(b), section ten of this article, the ent was deemed satisfied as a result his article six-a; or (iii) the notic face owner; and Pursuant to Wes	
	West Virginia Code § 22-6A, the O erator has properly served the requir	perator has attached proof to this Notice Certificated parties with the following:	tion	
	ECK ALL THAT APPLY		OOG OFFICE USE ONLY	
*PLEASE CH		NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	ONLY	
*PLEASE CH	TICE OF SEISMIC ACTIVITY OF	TO 마시크 : 1 7에, 7 1일이 보고 10 1일 하는 10 12 12 12 12 12 12 12 12 12 12 12 12 12	ONLY RECEIVED/ NOT REQUIRED	
*PLEASE CH	TICE OF SEISMIC ACTIVITY OF	SEISMIC ACTIVITY WAS CONDUCTED VEY or □ NO PLAT SURVEY WAS CONDUCTED	ONLY RECEIVED/ NOT REQUIRED	
*PLEASE CH	TICE OF SEISMIC ACTIVITY OF	SEISMIC ACTIVITY WAS CONDUCTED VEY or NO PLAT SURVEY WAS CONDUCTED NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY	ONLY RECEIVED/ NOT REQUIRED RECEIVED/ NOT REQUIRED	
*PLEASE CH 1. NO 2. NO 3. NO	TICE OF SEISMIC ACTIVITY OF	SEISMIC ACTIVITY WAS CONDUCTED VEY or NO PLAT SURVEY WAS CONDUCTED NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or WRITTEN WAIVER BY SURFACE OW (PLEASE ATTACH)	ONLY RECEIVED/ NOT REQUIRED RECEIVED/ NOT REQUIRED	
*PLEASE CH 1. NO 2. NO 3. NO	TICE OF SEISMIC ACTIVITY OF	SEISMIC ACTIVITY WAS CONDUCTED VEY or NO PLAT SURVEY WAS CONDUCTED NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or WRITTEN WAIVER BY SURFACE OW (PLEASE ATTACH)	ONLY PRECEIVED/ NOT REQUIRED TRECEIVED/ NOT REQUIRED TO RECEIVED/ NOT REQUIRED	

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.

Telephone:

Certification of Notice is hereby given:

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

Address:

Well Operator: Noble Energy, Inc.

By: Dee Swiger

Regulatory Analyst, III

Canonsburg, PA 15317

Facsimile: 724-820-3098

Email: dee.swiger@nblenergy.com

1000 Noble Energy Drive

COMMONWEALTH OF PENNSYLVANIA

724-820-3000

Regins Logue, Notary Public
New Sewickley Twp., Beaver County
My Commission Expires July 7, 2018
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

My Commission Expires

Subscribed and sworn before me this 10th day of 0ct. 2016.

Notary Public

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.

WW-6A (9-13)

API NO. 47- 051 - 01763
OPERATOR WELL NO. MND 6 FHS
Well Pad Name: MND 6

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: 10/10/2016 Date Permit Application Filed: 10/14/2016 Notice of: PERMIT FOR ANY CERTIFICATE OF APPROVAL FOR THE WELL WORK CONSTRUCTION OF AN IMPOUNDMENT OR PIT Delivery method pursuant to West Virginia Code § 22-6A-10(b) PERSONAL REGISTERED METHOD OF DELIVERY THAT REQUIRES A SERVICE MAIL RECEIPT OR SIGNATURE CONFIRMATION Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule. ☐ Application Notice ☐ WSSP Notice ☐ E&S Plan Notice ☐ Well Plat Notice is hereby provided to: ☐ COAL OWNER OR LESSEE ☑ SURFACE OWNER(s) Name: Consolidation Coal Company (Jason Witt/Alex O'Neill) Name: Murray American Energy, Inc. Address: 46226 National Road Address: 46226 National Road St. Clairsville, OH 43950 St. Clairsville, OH 43950 Name: Kevin E. and Teresa McGilton COAL OPERATOR Name: Same as Above Address: 1704 2nd Street Address: Moundsville, WV 26041-1534 FI SURFACE OWNER(s) (Road and/or Other Disturbance) ☑ SURFACE OWNER OF WATER WELL Name: See attached list AND/OR WATER PURVEYOR(s) OCT 17 2016 Address: Name: See Attached List Address: Name: Address: ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD ☐ SURFACE OWNER(s) (Impoundments or Pits) Address: Name: _____ Address: -02/10/2017

*Please attach additional forms if necessary

WW-6A (8-13)

API NO. 47-051 - 01763

OPERATOR WELL NO. MND 6 FHS

Well Pad Name: MND 6

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

Ende in the second of

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. 47- 051 - 01763

OPERATOR WELL NO. MND 6 FHS

Well Pad Name: MND 6

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 if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items WW-6A (8-13) API NO. 47-051 - 01763

OPERATOR WELL NO. MND 6 FHS
Well Pad Name: MND 6

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.



WW-6A (8-13) API NO. 47-051 - 01763
OPERATOR WELL NO. MND 6 FHS
Well Pad Name: MND 6

Notice is hereby given by:

Well Operator: Noble Energy, Inc.

Telephone: 724-820-3061

Email: dee.swiger@nblenergyinc.com

Address: 1000 Noble Energy Drive

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.

Regina Logue, Notary Public
New Sewickley Twp., Beaver County
My Commission Expires July 7, 2018
NEWEER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Subscribed and sworn before me this 10th day of of, 2016

negina dogue

Notary Public

My Commission Expires_

ly 7, 20

Additional Surface owners on MND 06:

Gloria Jean White PO Box 162 Proctor, WV 26055

James B, Midcap 1701 Fish Creek Road Proctor, WV 26055

<

Office of Chronid das

OCT 17 2016

02/10/2017

MND 6 HHS Pad Water Well and Spring Owners within 1500'.

John David Fromhart 1619 Fish Creek Rd. Proctor, WV 26055

James B. Midcap, Et Ux 1701 Fish Creek Rd. Proctor, WV 26055

Gloria Jean White P.O. Box 162 Proctor, WV 26055

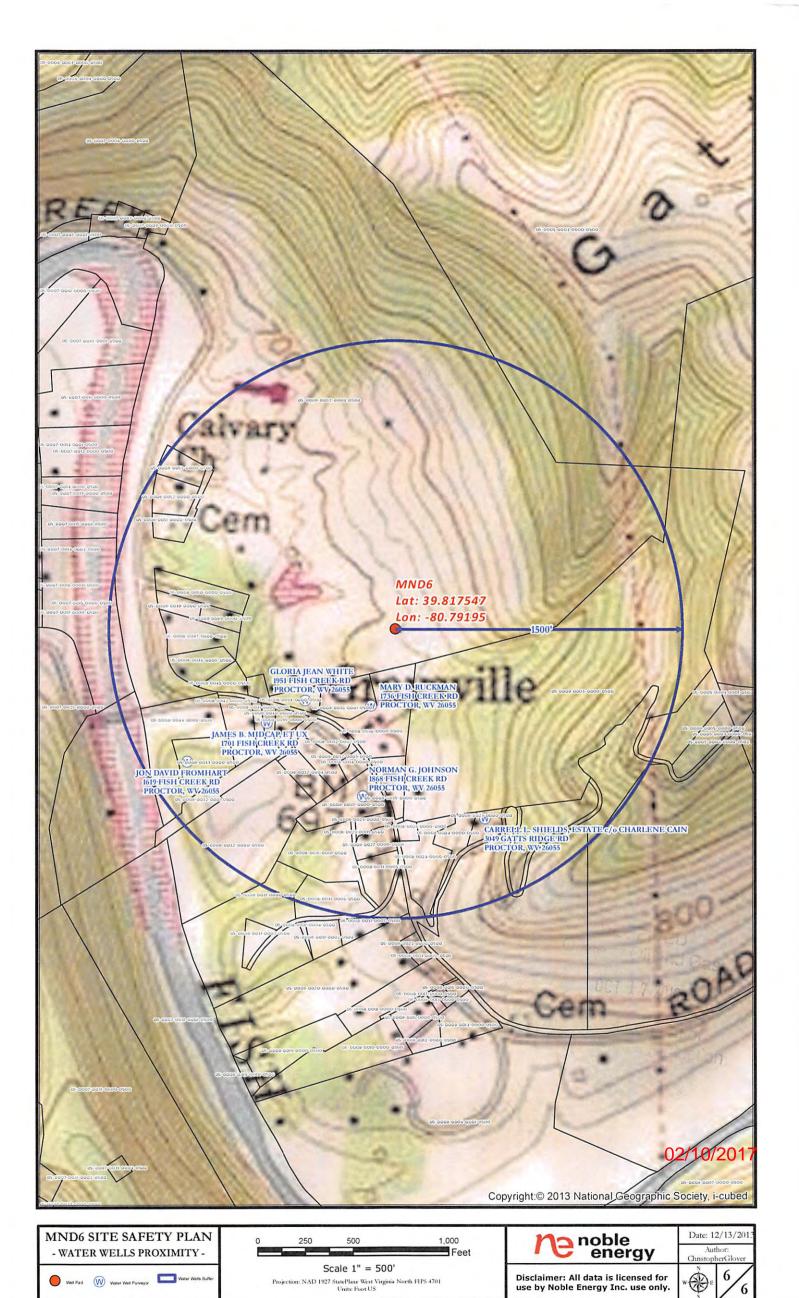
Mary D. Ruckman 1736 Fish Creek Rd. Proctor, WV 26055

Carrell L. Sheilds, Estate c/o Charlene Cain 3049 Gatts Ridge Rd. Proctor, WV 26055

Norman G. Johnson 1868 Fish Creek Rd. Proctor, WV 26055

OCT 17 2015

02/10/2017



WW-6A3 (1/12)

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

ate of Noti	ice: 10/18/2013	Date of Pla	nned Entry: 10/26/2013			
clivery me	thod pursuant to	West Virginia C	ode § 22-6A-10a			
_	. —	REGISTERED	■ METHOD OF DELIVERY THAT REQUIRES A			
PERSC SERVI	-	MAIL	RECEIPT OR SIGNATURE CONFIRMATION			
n to the sur ut no more eneath such wher of mi and Sedimen	face tract to condu- than forty-five day a tract that has file- nerals underlying:	ect any plat survey ys prior to such end d a declaration pu such tract in the co and the statutes a all include contact	Prior to filing a permit application, the operator shall provide notice of planned entry is required pursuant to this article. Such notice shall be provided at least seven days arry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams resuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any ounty tax records. The notice shall include a statement that copies of the state Erosion and rules related to oil and gas exploration and production may be obtained from the tinformation, including the address for a web page on the Secretary's web site, to the secretary.			
lotice is he	reby provided to	:				
SURFA	ACE OWNER(s)		COAL OWNER OR LESSEE			
	iolidated Coal Compar	ny .	Name: Consolidated Coal Company			
ddress: 10	000 Consol Energy Dri	ve .	Address: 1000 Consol Energy Drive			
anensburg,	PA 15317-6506		Canonaburg, PA 15317-8506			
Vame: Kevi	n E. and Teresa McGi	žon	MINERAL OWNER(s)			
Address: 1	704 2nd Street					
	WV 25041-1534		Name: CNX Gas Company, LLC Address: 1000 Consol Energy Drive			
Name:			Address: 1000 carea chargy of the Canonsburg, PA 18317-8508			
Address: _			*please artach additional forms if necessary			
Pursuant to a plat surve State: County: District: Quadrangl	West Virginia Marshall Franklin e: Powhatan Point	and as follows:	Approx. Latitude & Longitude: 39.817899 -80.791878 NAD 83 Public Road Access: CR 7/4-Fish Creek Rd Watershed: Fish Creek Undefined (HUC 10) Generally used farm name: Consol			
Pursuant to a plat surve State: County: District: Quadrangle Copies of may be ob Charlestor obtained for	West Virginia Co by on the tract of la West Virginia Marshall Franklin e: Powhatan Point the state Erosion attained from the Secretary hereby given by	nd Sediment Cont cretary, at the WV -926-0450). Cop by visiting www.c	Public Road Access: Watershed: Generally used farm name: Consol Trol Manual and the statutes and rules related to oil and gas exploration and production of Environmental Protection headquarters, located at 601 57th Street, SE ies of such documents or additional information related to horizontal drilling may be dep, wy.gov/oil-and-gas/pages/default.aspx. Address: 333 Technology Dive Suite 118			
Pursuant to a plat surve State: County: District: Quadrangl Copies of may be ob Charlestor obtained fi	West Virginia Cory on the tract of law west Virginia Marshall Franklin e: Powhatan Point the state Erosion at trained from the Secretary whereby given by rator: Neble Eregy	and as follows: nd Sediment Cont cretary, at the WV -926-0450). Cop by visiting www.c	Approx. Latitude & Longitude: 39.817699 -80.791876 NAD 53 Public Road Access: CR 7/4-Fish Creek Rd Watershed: Fish Creek Uddefined (HUC 10) Consol trol Manual and the statutes and rules related to oil and gas exploration and production of Environmental Protection headquarters, located at 601 57th Street, SE ies of such documents or additional information related to horizontal drilling may be dep, wv.gov/oil-and-gas/pages/default.aspx.			

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 rusiness 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 deponivacyofficer@wv.gov.

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

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

Nation Time			
Date of Notic	Requirement: Notice shall be provided at le	ast TEN (10) days prior to filing a it Application Filed:	permit application.
Delivery met	ood pursuunt to West Virginia Code § 22-	6A-16(b)	
☐ HAND	CERTIFIED MAIL		
DELIVE	RY RETURN RECEIPT REQU	ESTED	
receipt reques drilling a hori of this subsection ma and if available Notice is her	Va. Code § 22-6A-16(b), at least ten days ted or hand delivery, give the surface owner zontal well: Provided, That notice given pution as of the date the notice was provided to y be waived in writing by the surface owner ic, facsimile number and electronic mail addreby provided to the SURFACE OWN	notice of its intent to enter upon the resumnt to subsection (a), section to the surface owner: Provided, how The notice, if required, shall inchars of the operator and the operator	no of this article satisfies the requirements of this article satisfies the requirements of this ude the name, address, telephone number,
Name: Consoli	dation Coal Company	Name:	
	6 National Road	Address:	
Saint Clairsville	, OH 43650		
Notice is her Pursuant to W the surface ov State:	Vest Virginia Code § 22-6A-16(b), notice is wher's land for the purpose of drilling a horiz	contal well on the tract of land as ic	well operator has an intent to enter upon ollows:
County: District:	Wast Virginia Marshafi Franklin Powahatan Point Fish Creek HUC 10	Public Road Access: Generally used farm name:	517842-88 4407548-45 CR 7/4-Fish Creek Rd Cansol
County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile num related to hos located at 600 Notice is he	Marshafi Franklin Powahatan Peint Fish Creek HUC 10 Shall Include: West Virginia Code § 22-6A-16(b), this names and electronic mail address of the opizontal drilling may be obtained from the \$1.57th Street, SE, Charleston, WV 25304 (30 reby given by: 17. Noble Energy, Inc. 18. 333 Technology Dr. State 115	Public Road Access: Generally used farm name: orice shall include the name, additerator and the operator's authorized repartment of the secretary, at the WV Department of the period of the way of the secretary and the way of the secretary at the WV Department of the secretary at the wv Departmen	4407548.46 CR 7/4-Fish Creek Rd Consol ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep. wv.gov/oil-and-gas/pages/default.aspx.
County: District: Quadrangle: Watershed: This Notice Pursuant to V facsimile nun related to hos located at 600 Notice is he Well Operato Address: Canonsburg. Telephone:	Marshafi Franklin Powahatan Point Fish Creek HUC 10 Shall Include: West Virginia Code § 22-6A-16(b), this acher and electronic mail address of the opizontal drilling may be obtained from the Store Street, SE, Charleston, WV 25304 (30) reby given by: T. Noble Energy, Inc. 333 Technology Dr. State 115 PA 16317 412-841-9587	Public Road Access: Generally used farm name: orice shall include the name, additional and the operator's authorized Representative Address: Charleston, WV 25320 Telephone:	4407548.46 CR 7/4-Fish Creek Rd Consol ress, telephone number, and if available, ed representative. Additional information of Environmental Protection headquarters, ep. wv.gov/oil-and-gas/pages/default.aspx. Laura L Adkina 1912 Pinewood Dr. 412-841-9567

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 depreivacyofficer@wv.gov.

CCT 17 2016

AGREEMENT FOR COAL WAIVER AND CONDITIONAL DRILLING ACTIVITY

This Agreement, effective this 20 day of Ference, 2014, by and between, CONSOLIDATION COAL COMPANY, a Delaware Corporation, and Murray American Energy, Inc., a Delaware Corporation, both of whose mailing address is 46226 National Road, St. Clairsville, OH 43905, hereinafter collectively referred to as "COMPANY,"

AND

NOBLE ENERGY, INC., a Delaware Corporation, having a place of business at 1001 Noble Energy Way, Houston, Texas 77070, hereinafter referred to as "NOBLE."

PREAMBLE

WHEREAS, NOBLE intends to apply to the West Virginia Department of Environmental Protection for a permit to drill and develop gas wells listed in Table 1 on the pad known as the MND6 wells at a location in Franklin District, Marshall County, West Virginia; and

WHEREAS, COMPANY, through itself and/or any one or more of its affiliates, owns or controls the Pittsburgh #8 seam of coal at the proposed location of the proposed MND6 wells and said wells when drilled will penetrate the Pittsburgh #8 seam of coal; and

WHEREAS, NOBLE has a regulatory obligation and responsibility to notify coal seam owners of its intent to drill and develop oil/gas wells through such coal seams; and

WHEREAS, NOBLE has requested COMPANY to sign WW-6AW Voluntary Statement of No Objection forms for the drilling and development of the MND6 wells, which COMPANY is willing to sign subject to the conditions set forth in this agreement.

NOW, THEREFORE, in consideration of the commitments set forth herein and intending to be legally bound hereby the parties do hereby agree as follows:

Page | 1 Cas

OCT 17 2015

WITNESS:	By: Rand D. Mose Title: Lect Procedure
WITNESS:	MURRAY HAMERICAN ENERGY, INC. By: Name: Zolarl 3. Moore Title: Vice President
WITNESS:	NOBLE ENERGY, INCA By: Robert W. Ovitz Title: Attorney In Fact

WW-6RW (1-12)

API NO. 47	
OPERATOR WELL NO.	MND 6 AHS-UHS
Well Pad Name: MND	B

STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

ELL LOCATION RESTRICTION WAIVER

The well operator. Nobia Energy, inc. is applying for a permit from the State of West Virginia to conduct oil or gas well work. Please be advised that well work permits are valid for twenty-four (24) months. Well Location Restrictions Pursuant to West Virginia Code § 22-6A-12(a), 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. WAIVER , hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through , including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows: State: West Virginia UTM NAD 83 Easting: See attached UTM NAD 83 Northing: County: Marshail See attached District: Franklin Public Road Access: CR 7/4 also known as Fish Creek Rd. Ouadrangle: Powhaten Point Generally used farm name: Consol **HUC 10 Fish Creek** I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials and I therefore waive all well site restrictions listed under West Virginia Code § 22-6A-12(a). WELL SITE RESTRICTIONS BEING WAIVED FOR EXECUTION BY A NATURAL PERSON Signature: Musy Ruckmon Print Name: Mary Ruckman Date: 9-24-4013 *Picase check all that apply ☐ EXISTING WATER WELLS FOR EXECUTION BY A CORPORATION, ETC. □ DEVELOPED SPRINGS Company: By: DWELLINGS Its: □ AGRICULTURAL BUILDINGS Signature: Date: Well Operator: Noble Energy, Inc. Signature: By: Andrew MclorA 721-820-3109 Telephone: Service Land Degatocter Subscribed and sworn before me this c **NOTARY SEAL** Notary Public My Commission Expires Off 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 stanutory 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 departivacy officer (www.gov.

Jan Peat HARSHALL County 09:37:04 AM Instrument No 1351123 Date Recorded 10/23/2013 Document Type O&G Paged Recorded 1 807-347 OCT Book-Page Recording Fee \$5.00

\$6.00

Additional

This document prepared by: Noble Energy, Inc. 333 Technology Drive Sult 116 Canonsburg, PA 15317

WW-6RW (1-12)

API NO. 47	-	
OPERATOR WELL	L NO.	MND 6 AHS-UHS
Well Pad Name:	MND 6	

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL LOCATION RESTRICTION WAIVER

THE HOUSE	OX V ACCEDITA	.c.CII.	OII WILL VEIL	
The well operator, Noble Energy, Inc. work. Please be advised that well work permits are	is applying for a permit valid for twenty-four (24	from the State 4) months.	of West Virginia to conduct oil or gas wel	1
Well Location Restrictions Pursuant to West Virginia Code § 22-6A-12(a), We any existing water well or developed spring used it located within six hundred twenty-five feet of an or larger used to house or shelter dairy cattle or pout dwellings or agricultural buildings that existed on the provided in section ten of this article or a notice of it article was provided, whichever occurs first, and to by written consent of the surface owner transmitted clerk of the county commission for the county in variance by the secretary from these distance restrict or practices to be employed during well site constructions the department requires to ensure the safe include insurance, bonding and indemnification, as a surface of the county of the safe include insurance, bonding and indemnification, as a surface of the county of the county of the safe include insurance, bonding and indemnification, as a surface of the county of t	for human or domestic accupied dwelling structularly husbandry. This like date a notice to the santent to drill a horizonta any dwelling under cond to the department and which such property is stions upon submission of unction, drilling and operty and protection of affi	animal consum; tre, or a buildin; imitation is app surface owner o al well as provide struction prior to d recorded in the located. Further of a plan which rations. The ve- ected persons as	ption. The center of well pads may not b g two thousand five hundred square feet o blicable to those wells, developed springs of planned entry for surveying or staking a ded in subsection (b), section sixteen of thi to that date. This limitation may be waive he real property records maintained by the more, the well operator may be granted identifies the sufficient measures, facilitie ariance, if granted, shall include terms an	c r r, s s d c c a s
	WAIVE	?		
provisions listed above, and that I have received cop WW-6A and attachments consisting of pages one (1) required, and the well plat, all for proposed well wor State: West Virginia County: Manshall District: Franklin	ave read the Instructions uies of a Notice of Appli through rk on the tract of land as UTM NAD 8 UTM NAD 8 Public Road	to Persons Nar cation, an Appli, including the e follows: 33 Easting: 33 Northing: Access:	rosion and sediment control plan, if See attached See attached CR 7/4 also known as Fish Creak Rd.	 -
Quadrangle: Powhaten Point	Generally us	ed farm name:	Consol	_
Watershed: HUC 10 Fish Crook I further state that I have no objection to the planner	work described in these	e materials, and	I have no objection to a permit being	
issued on those materials and I therefore waive all w	vell site restrictions liste	d under West \	/irginia Code § 22-6A-12(a).	
WELL SITE RESTRICTIONS BEING WAIVED *Please check all that apply EXISTING WATER WELLS	D	FOR EXECU Signature: Print Name: Date: 9/2 6/1	PION BY A NATURAL PERSON LHA Northia - Et Ha Ruckman 2-22	_
□ DEVELOPED SPRINGS			TION BY A CORPORATION, ETC.	.00
DWELLINGS .		Ву:		¢7
☐ AGRICULTURAL BUILDINGS		Its: Signature: Date:		
Well Operator: Noble Energy, Inc.	Signatu		-ala	
By: Andrew Melain	Telepho	one: >zy-	8223109	
11s: Senior Land Negotiation	Subscribed and swom	before me this	26 Hay of September	_
	Kerlinen	\ J\	Notary Public	
	My Commission Expir	es (0-2	24-2015	
Oil and Gas Privacy Notice: The Office of Oil and Gas processes your personal inforpersonal information may be disclosed to other State age or regulatory requirements, including Freedom of Information any questions about our use or your personal information.	encies or third parties in the mation Act requests. Our o	e normal course office will appro-	of business or as needed to comply with statuto priately secure your personal information. If y	TV .
			Jan Pest HAPSHALL County 09:38:24 AM Instrument No 1351129() []]]] Date Recorded 10/23/2013	7 2018
This document prepared by:			Book-Page, - P97-348	i

This document prepared by: Noble Energy, Inc. 333 Technology Drive Sult 116 Canonsburg, PA 15317 WW-6A5 (1/12)

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

Notice Time Date of Notic	Requirement: notice shall be provide e: 10/10/14 Date Permi	it Application Filed: 10/1	
Delivery met	hod pursuant to West Virginia Cod	e § 22-6A-16(c)	
■ CERTI	FIED MAIL	☐ HAND	
	RN RECEIPT REQUESTED	DELIVERY	
eturn receipt he planned of equired to be drilling of a lamages to the d) The notice of notice.	requested or hand delivery, give the seperation. The notice required by the provided by subsection (b), section to norizontal well; and (3) A proposed sees affected by oil and gas operated by this section shall be given by provided to the SURFACE OW	surface owner whose land will is subsection shall include: (1 en of this article to a surface or surface use and compensation ations to the extent the damage en to the surface owner at the NER(s)	rmit application, an operator shall, by certified mail be used for the drilling of a horizontal well notice of) A copy of this code section; (2) The information where whose land will be used in conjunction with the agreement containing an offer of compensation for a recompensable under article six-b of this chapter, address listed in the records of the sheriff at the time
at the addres Name: Murray A Address: 4622 Saint Clairsville, C Notice is here Pursuant to W	eby given: est Virginia Code § 22-6A-16(c), not	Name: Kevin E. Address: 1704 Moundsville, WV	dersigned well operator has developed a planned
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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.



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

Earl Ray Tomblin Governor

Reissued October 5, 2016

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 MND-6 Well Site, Marshall County

Dear Mr. Martin,

The West Virginia Division of Highways has issued Permit #06-2013-0529 for the subject site to Noble Energy, Inc. for access to the State Road for the well site located off of Marshall County Route 74 SLS.

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

Very Truly Yours,

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

Cc: James L. McCune Noble Energy, Inc. CH, OM, D-6 File

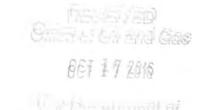
02/10/2017

Hydraulic Fracturing Fluid Product Component Information Disclosure Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**
Fresh Water	Operator				100.00%
HYDROCHLORIC ACID 5-10%	Halliburton		Hydrochloric acid	7647-01-0	10.00%
SAND - COMMON WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100.00%
SAND - PREMIUM WHITE	Halliburton	Proppant	Crystalline silica, quartz	14808-60-7	100.00%
FR-66	Halliburton	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8	30.00%
BE-9	Halliburton	Biocide	Tributyl tetradecyl phosphonium chloride	81741-28-8	10.00%
Scalechek® LP-65 Scale Inhibitor	Halliburton	Scale Inhibitor	Ammonium chloride	12125-02-9	10.00%
LGC-36 UC	Halliburton	Liquid Gel Concentrate	Guar gum	9000-30-0	60.00%
			Naphtha, hydrotreated heavy	64742-48-9	60.00%
LCA-1	Halliburton	Solvent	Paraffinic solvent	Confidential Business Information	100.00%
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor	Methanol	67-56-1	60.00%
			Propargyl alcohol	107-19-7	10.00%
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive	Acetic acid	64-19-7	60.00%
			Acetic anhydride	108-24-7	100.00%
LoSurf-300D	Halliburton	Non-ionic Surfactant	1,2,4 Trimethylbenzene	95-63-6	1.00%
	10		Ethanol	64-17-5	60.00%
			Heavy aromatic petroleum naphtha	64742-94-5	30.00%
			Naphthalene	91-20-3	5.00%
			Poly(oxy-1,2-ethanediyl), alpha-(4- nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5.00%
SP BREAKER	Halliburton	Breaker	Sodium persulfate	7775-27-1	100.00%
WG-36 GELLING AGENT	Halliburton	Gelling Agent	Guar gum	9000-30-0	100.00%

 ^{*} Total Water Volume sources may include fresh water, produced water, and/or recycled water
 ** Information is based on the maximum potential for concentration and thus the total may be over 100%
 Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and



API#51-01746 API#51-01744 API#51-01745 API#51-01762 API#51-01765 API#51-01761 API#51-01763

WVDEP OOG ACCEPTED AS-BUILT

1/21/2016

- DE TOPOGRAPHIC BURNEY HILLIED FOR THIS PASE MAPPING WAS PYRFORMED BY RETTEW ASSOCIATES, NO. IN SUPERMOR 2013
- PROPERTY SCUNDARICS LANGUAGER INFORMATION AND ROAD IN PLAY ARE DASED ON AVMANUE COLIN'S GS PAYOU DATA.
- 3. CATO DING STRUCTURES. THEY LIMES AND MORDWAYS HAVE BELLY LOUDS AFFORM AFFORM PROPERTY.

- 7. A WETLANDS PRESENTE/ABRENCE SURVEY WAS PERFORMED DV NETTEW ASSOCIATES IN MAY A 46 Y 1013.

- TO CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF CAMADES ON DESTROYED LANDICATE AND LARGE.
- IA CONTRACTOR SHALL MERFY ALL DIMENSIONS ON THE PROJECT SHE THICK TO THE STATE OF
- 14 CONTRACTOR TO RELUCATE UTLINES AS REQUIRED
- IN CONTRACTOR MAY WIDEN ACCESS ROAD DUE TO STELLY SLOPES & EMEMBED INCOSSARY AND THE HARROWAL BY THE CHINICK AND ENGINEER
- THE PROPOSED RECK CLASSIFICATION ON THE MALE SHOW IT AT REMOT FROM PROPOSED ACCESS WILL NOT SHEET FLOW ON TO PUBLIC STAD.
- IV SELD AND MAJOH ALL DISTURBED AREAS POT DETAILS IN THE HAM
- IN ALL SLEWED THE GRADINGS SHALL BE PLACED ON JAMES THE OF COMPOST FLYIN SOOKS AND NOT STOCKPUED ON-STE
- 10 CONTRACTOR SHALL SHOP WORK INDEEDATLY AND CONTACT NODLE CHOSEN AND APPROPRIATE EXPONENT ANTHONYON SOULD ANY HISTORICAL ARREACTS (LE. DORES POTTERS, E.C.) AR FROM CONSTRUCTION CONTROLLED
- 20 NO WORK SHALL BE DONE OUTSIDE THE LANCS OF DISTURBANCE OR IN PROTECTED ADVAIL

DIRECTIONS TO THE SITE

CUT & FILL

	MULTIPAL .	ACCESS, DEME	TOTAL SATE
CI	+57.253 C.Y.	+ 5,241 C.Y.	#62,494 C.T
NYONE	- 37th CT	+ 588 C.Y	+ 4,305 C.Y.
FILL	~37.190 E.V.	-15.459 C.Y.	-52.649 C.Y.
13% COMPACTION	- 5,725 CY	824 C Y	6.240 C.V.
OF 508	- 5.957, C.Y.	- 1.9"4 CY.	- 2.001 C.T
NET	+12,067 C.T	-12.067 C Y	1 G C.Y

EROSION & SEDIMENT CONTROL PLAN FOR

MND 6 WELL PAD FRANKLIN DISTRICT, MARSHALL COUNTY, WV





CALL BEFORE YOU DIG!

Dial 811 or 800.245.4848

AT LEAST 48 HOURS, BUT NOT MORE THAN 10 BOTHOMO DAYS (FOLL ARCHMOUS AND HOURS) 1900B TO 10 STATES ANY EARTH GRAVE ACCOUNTS, COURT 990B MORE HOUR APPLICATION SHALL OF MICE WITH SHALL OF 1900 -256 4698.

INCLUDING 10 STATES WINDOWS AT BUT OF 1900-256 4698.

SOILS CLASSIFICATION

BOX BROOKSING SET LOAKE 12% TO 22% SCOPES DES SECURORS SET LOAM, BY TO 15% SECURES

LIST OF DRAWINGS

COVER SHEET ENVIRONMENTAL RESOURCES BUTTER PLAN

DISTURBANCE SUMMARY

MODIFICATION

DATE: OCTOBER 10, 2016

A THESE DRAWINGS PROVIDE A REVISED SITE RESTORATION PLAN FOR THE MND 6 WELL PAD AND ACCESS ROAD AND INCORPORATE THE AS-BUILT WELL PAD AND ACCESS ROAD DATA

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

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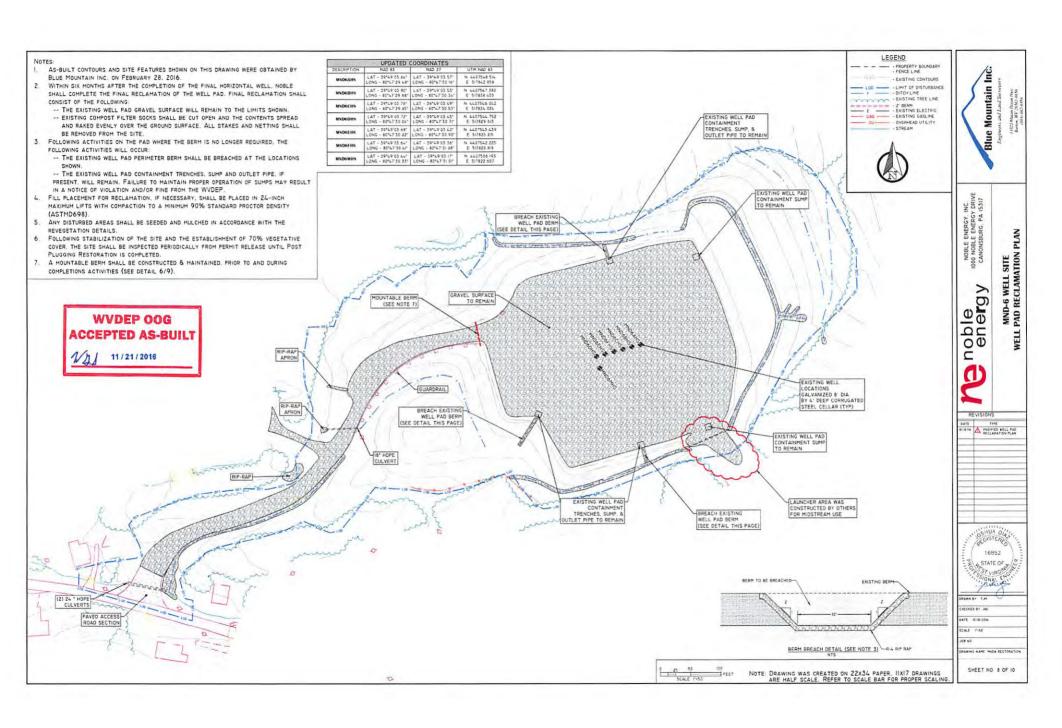
noble

PAD WELL

MND

DATE: 3/5/2014

SHEET HO. _ 1 _ OI _ 10 DWG. NO. 093842010





LOCATION MAP

PROPERTY OWNERS

I. CONSOLIDATION COAL COMPANY 05-08-02 1000 CONSOL ENERGY DR CANONSBURG, PA 15317

Office of On A clas



NOBLE ENERGY, INC.
333 TECHNOLOGY DRIVE, SUITE II6
CANONSBURG, PA 15317
TEL: (724) 820-3000

MND6 WELL SITE

WELL SITE LOCATION

NAD 83 - LAT: N 39°49'03.769"; LONG: W 80°47'29.802" NAD 27 - LAT: N 39°49'03.496"; LONG: W 80°47'30.478"

ENTRANCE LOCATION

NAD 83 - LAT: N 39°48'59.549"; LONG: W 80°47'39.884" NAD 27 - LAT: N 39°48'59.276"; LONG: W 80°47'40.559"

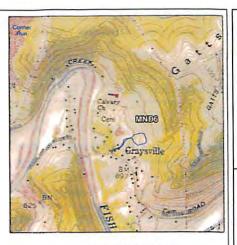
POWHATAN POINT QUADRANGLE
MARSHALL COUNTY, WEST VIRGINIA
DATE: NOVEMBER 12, 2014



Engineers and Land Surveyors

11023 Mason Dixon Hwy. Burton, WV 26562-9656 (304) 662-6486

NOTE: DRAWING WAS CREATED ON 22X34 PAPER. IIXI7 DRAWINGS ARE HALF SCALE. REFER TO SCALE BAR FOR PROPER SCALING.



LOCATION MAP POWHATAN POINT 7.5M USGS QUADRAN SCALE: P=1000"

F,0/7/16

SHEET INDEX				
DRAWING NUMBER	DRAWING NAME			
1	COVER SHEET			
2	AS-BUILT CONDITIONS PLAN			
3	AS-BUILT CONDITIONS PLAN W/ ORTHO			

Blue Mountain Inc.
Engineers and Land Surveyors
11031 Manus Dives Hory
Stance, NY 1563-2965
(101) 1645-685

NOBLE ENERGY CHNOLOGY DRIVE, SUITE ANONSBURG, PA 15317

N3 noble

MND6 WELL PAD AS-BUILT COVER SHEET

REVISIONS

DRAWN BY DEC

CHECKED BY MCH

DATE 81/42/864

SCALE AS SHOWN

JOB NO 1261-14

DRAWNING MARKET REASONS TO MG

SHEET I OF 3