

#### 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 Earl Ray Tomblin , Governor Randy C. Huffman , Cabinet Secretary www.dep.wv.gov

Thursday, November 17, 2016 WELL WORK PERMIT Coal Bed Methane Well / Plugging

NORTHPORT PRODUCTION COMPANY 3501 FRENCH PARK DRIVE, SUITE B

EDMOND, OK 730347290

Re:

Permit approval for GALENA 1

47-047-02169-00-00

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

Chie

Operator's Well Number: GALENA 1

Farm Name: TUG FORK LAND COMPANY U.S. WELL NUMBER: 47-047-02169-00-00

Coal Bed Methane Well / Plugging

Date Issued: 11/17/2016

Promoting a healthy environment.

### **PERMIT CONDITIONS**

West Virginia Code §22-6-11 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. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 3. Well work activities shall not constitute a hazard to the safety of persons.

# RECEIVED Office of Oil and Gas

OCT 26 2016

WV Department of Environmental Protection

1) Date August 23rd   20 16		
21 Operator 3  BETATE OF WEST VIRGINIA DEPARTMENT OF ENVISORMENTAL PROTECTION OFFICE OF OIL AND GAS  APPLICATION FOR A PERMIT TO FLUG AND ABANDON  ACTION FOR A PERMIT TO FLUG AND GAS  Watershed JOHN YCAKE BRACH OF TUG FORK County McDOWELL Ouadrangle IAEGER  7) Designated Agent John Vaughan Address 3501 French Park Drive, Sulle B Edmond, OK 73034-7290  8) Oil and Gas Inspector to be notified Name Brian K. Ferguson Address 708 Manor Drive Beckley, WV 25801  9) Plugging Contractor Name Frencis Brothers, LLC Address 822 North Church Street Ripley, WV 25271  10) Work Ordex: The work order for the manner of plugging this well is as follows: MORU Service Rig. Set up metal pit. Construct flowline from well to pit. Provide Vac-Truck. RIH with 1-1/2" tubing to + or - 1950 Ft. Load 4-1/2" casing to surface with 6% gel fluid Spot 100 Ft Cement Plug from 1950 Ft - 1850 Ft. Displace cement to 1950 Ft with 6% gel Pull 1-1/2" tubing to 1625 Ft and load hole with 6% Gel. Bottoms Up Circulation (Coal 1577' to 883') Spot 800 Ft. Cement Plug from 1625 Ft 825 Ft. (2 plugs 1625'-1225' & 1225'-825') Displace cement to 1625 Ft with 6% gel. Circulate hole volume with 6% gel from 800 Ft to surface	*	
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DEPARTMENT OF ENVIRONMENTAL PROPECTION OFFICE OF OIL AND GAS  APPLICATION FOR A PERMIT TO FIUE AND ABANDON  [If "Gas, Production X or Underground storage) Deep/ Shallow		3) API Well No. 47-67
DEPARTMENT OF ENVIRONMENTAL PROPECTION OFFICE OF OIL AND GAS  APPLICATION FOR A PERMIT TO FIUE AND ABANDON  [If "Gas, Production X or Underground storage) Deep/ Shallow	·	
Well Type: Oil X	DEPARTMENT OF ENVIR	ORMENTAL PROTECTION
Location: Elevation 1572  District SANDY RIVER  Northport Production Co.  Address Edmond, OK 73034-7290  Northport Production Co.  Address Tos Manor Drive  Beckley, WV 25801  North Operator North Park Drive, Suite B Edmond, OK 73034-7290  Northport Production Co.  S301 French Park Drive, Suite B Edmond, OK 73034-7290  S) Plugging Contractor  Name Frenchs Brothers, LLC  Name Frenchs Brothers, LLC  Address 622 North Church Street  Ripley, WV 25271  North Order: The work order for the manner of plugging this well is as follows:  MORU Service Rig. Set up metal pit. Construct flowline from well to pit. Provide Vac-Truck.  Rith with Cable tools to verify TD inside 4-1/2* cosing. (* or - 1850 Ft.) 4-1/2* casing to cris on records. Run CBL confirming cement top in 4-1/2* annulus  RIH with 1-1/2" tubing to + or - 1950 Ft. Load 4-1/2" casing to surface with 6% gel fluid  Spot 100 Ft Cement Plug from 1950 Ft - 1850 Ft. Displace cement to 1950 Ft with 6% gel  Pull 1-1/2" tubing to 1625 Ft and load hole with 6% Gel. Bottoms Up Circulation (Coal 1577' to 883')  Spot 800 Ft. Cement Plug from 1625 Ft 825 Ft. (2 plugs 1625'-1225' & 1225'-825')  Displace cement to 1625 Ft with 6% gel. Circulate hole volume with 6% gel from 800 Ft to surface	APPLICATION FOR A PERM	IT TO PLUG AND ABANDON
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7" MONDMENT		
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Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.	Notification must be given to the district work can commence.	oil and gas inspector 24 hours before permitted
		gar anno
Work order approved by inspector Date	Work order approved by inspector	Date

WR-35

API# 047-047-02169C

## State of West Virginia DEPARTMENT OF ENERGY

#### Division of Oil and Gas Well Operator's Report of Well Work

JY.
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Farm Name: Marko Land	O	perator We	ll No. Ga	lena #1 C	ВМ	_
Location: Elevation: 1572.00'			laeger 7.5			
District: Sandy River	_	ounty: Me				
Latitude: 7,575 Feet South of	37 De	egrees	30 Mi	nutes	0 Secon	ds
Longitude: 1,280 Feet West of	81 De	egrees	47 Mi	nutes	30 Secon	
Company: Northport Production Company						
2601 NW Expressway St. Suite 902-E						
Oklahoma City, Oklahoma 73112		Casing	Used	Left	Cement	1
Agent: W. T. White		&	in	in	Fill Up	
Inspector: Joe McCourt	-	Tubing	Drilling	Well	Cu. Ft.	
Permit Issued: 6/23/2006	-	16"			Cu. Tt.	
Well work Commenced: 2/7/2007	-	12 3/4"	22'	22'		
Well work Completed: 2/13/2007	-	9 5/8"	484.0'	484.0'	195 cf	CTS
Verbal Plugging Permission granted on: N/A	_	7"	820.0'	820.0′	177 cf	
Rotary X Cable Tool Rig	_	4 1/2"	020.0	1957.0'		CTS
Total Depth (ft): LTD- 2003' DTD- 1995'				1737.0	310 01	C1:
Fresh Water Depths (ft): None	-					
Salt Water Depths (ft): None						_
Is coal being mined in area: No						_
Coal Depths: 883', 1040', 1132', 1249', 1270', 1293', 1500	8', 1577	,,				
OPEN FLOW DATA:						
Producing formation(s): See Next		Dox		L (0)	0. 11.	
Gas: Initial open flow No Show MCF/D			zone dept open flow		See Next	_
Final open flow No Show MCF/D			pen flow		Bbl/d	
Time of open flow between initial and fi	inal tect	e. U	Hours -		Bbl/d	
		ace pressur		0	Hauma	
Second producing formation(s):	g (suite		-		Hours	
Gas: Initial open flow MCF/D			zone dept			
Final open flow MCF/D	C		open flow_		Bbl/d	
Time of open flow between initial and fi	nal tant	Final o	pen flow		Bbi/d	
Company of the compan		ce pressur	Hours		• •	
			_		Hours	
NOTE: ON THE BACK OF THIS FORM PUT TI	HE FOL	LOWING	; I). D	ETAILS C	)F	
PERFORATED INTERVALS, FRACTURING OR ST	IMULA	ATING, PH	IYSICAL	CHANGE	E, ETC.	
2.)THE WELL LOG WHICH IS A SYSTEMATIC I	DETAIL	LED GEOI	LOGICAL	RECORI	O OF	
ALL FORMATIONS INCLUDING COAL ENC	COUNT	ERED BY	THE WE			
RECEIVED Gas				RE	CEIVE	D
EOD North Con				Office	of Oil &	Gas
RECEIVED Gas  FOR: Northport Production		-	7 . ^	Par	f n o 200	0
BY: Designated Agen	t C	tous	UXZ	THE WAR	2 8 200	13
NI.	~	_		14015		
DATE: 4-20	-0	/		WV D	epartme	nt of

API# 047-047-02169C Page 3

### Formation Depths taken from Gamma Ray Log

Strata	Depths	Remarks
Overburden	0' 5'	
Sandy Shale	5' 190'	
Sandstone	190' 230'	Open hole not logged for "coals" before
Shale	230' 325'	setting 9 5/8" and 7" casings - Drillers' did not record
Sand & Shale	325' 400'	any "coals" while drilling hole.
Shale	400' 465'	, and an initial section
Sandstone	465' 530'	
Shale	530' 592'	
Sand & Shale	592' 628'	
Shale	628' 728'	
Sandstone	728' 883'	
Coal	883' 888'	
Shale	888' 896'	
Sand & Shale	896' 1033'	
Shale	1033' 1040'	
Coal	1040' 1044'	
Sandstone	1044' 1132'	
Coal	1132' - 1137'	
Sand & Shale	1137' 1212'	
Sandstone	1212' 1249'	
Coal	1249' 1253'	
Shale	1253' 1270'	
Coal	1270' 1275'	
Shale	1275' 1293'	
Coal	1293' 1297'	
Sand & Shale	1297' 1383'	
Sandstone	1383' 1508'	
Coal	1508' 1512'	
Shale	1512' 1577'	
Coal	1577' 1582'	
Sandstone	1582' 1685'	
Sand & Shale	1685' TD	

Total Depth: 2003'

Well Logged by: Weatherford Wireline Service of Oil & Gas

RECEIVED Office of Oil and Gas

OCT 2 8 2009

WV Department of Environmental Protection

NOV 17 2016

WV Department of **Environmental Protection** 

Parality of

11/18/2016

### RECEIVED Office of Oil and Gas

OCT 26 2016

WV Department of Environmental Protection

WW-4A Revised 6-07		1) Da 2) Op	ate: <u>September 16, 2016</u> perator's Well Number GALENA#1 CBM
		3) AP	PI Well No.: 47 - <u>047</u> - <u>02169</u>
	STATE OF	WEST VIRG	SINIA
DE	PARTMENT OF ENVIRONMENTAL NOTICE OF APPLICATION T	PROTECT	NION, OFFICE OF OIL AND GAS ND ABANDON A WELL
A) Sunface Our	ner(s) to be served: 5) (a) C	oal Operato	
(a) Name Address	William Davis, Jr. and Linda Davis  150 Beaver Springs Lane Clover, SC 29710	Name Address	
	Clover, SC 23710	,	
(b) Name	Arthur Thornsberry and Virginia M. Thornsberry	,,	Owner(s) with Declaration
Address	HCR 60 Box 180	Name	Marco Land Co.
	Iaeger, WV 24844	Address	P.O. Box 1223 Iaeger, WV 24844
(c) Name	Tug Fork Land Co.	Name	neger, w v 24044
Address	P.O. Box 542	Address	
	Welch, WV 24801		
6) Inspector	Brian Ferguson	(c) Coal Le	essee with Declaration
Address	708 Manor Drive	Name	
	Beckley, WV 25801	Address	
Telephone	304-550-6265		
(2) The reason However, 3 Take notice accompany Protection, the Applic	you are not required to take any action at all.  e that under Chapter 22-6 of the West Virginia Code, the ring documents for a permit to plug and abandon a well with respect to the well at the location described on the	egarding the appl undersigned wel with the Chief of attached Applica rtified mail or de	Il operator proposes to file or has filed this Notice and Application and the Office of Oil and Gas, West Virginia Department of Environmental ation and depicted on the attached Form WW-6. Copies of this Notice, clivered by hand to the person(s) named above (or by publication in
-		\	2 0
	Well Operator New York	JONEHPOI	MI PRODUCTION COMPANY
	Its:	1(00) 6	Darkidset
	Address	3501 F	PRINCH PARK DRIVE Ste B
	7	Emons	
	Telephone	405-9	348-1712
Subscribed and	swonn before me this 19 th day of	Septe	embin, 2016
- Dille	1700		Not Ty Paone P. DYKE HOPPE
My Commission	n Expires dia 3119		Notary Public
Oil and Gas Priv	acy Notice		State of Oklahoma Commission # 03000486
regulatory duties		d to other St	ate agencies or third parties in the normal course of
office will approp	reded to comply with statutory of regulatory or regulatory or interest or regulatory o	you have any	is, including Freedom of Information Act requests. Our y questions about our use of your personal prowv.gov.

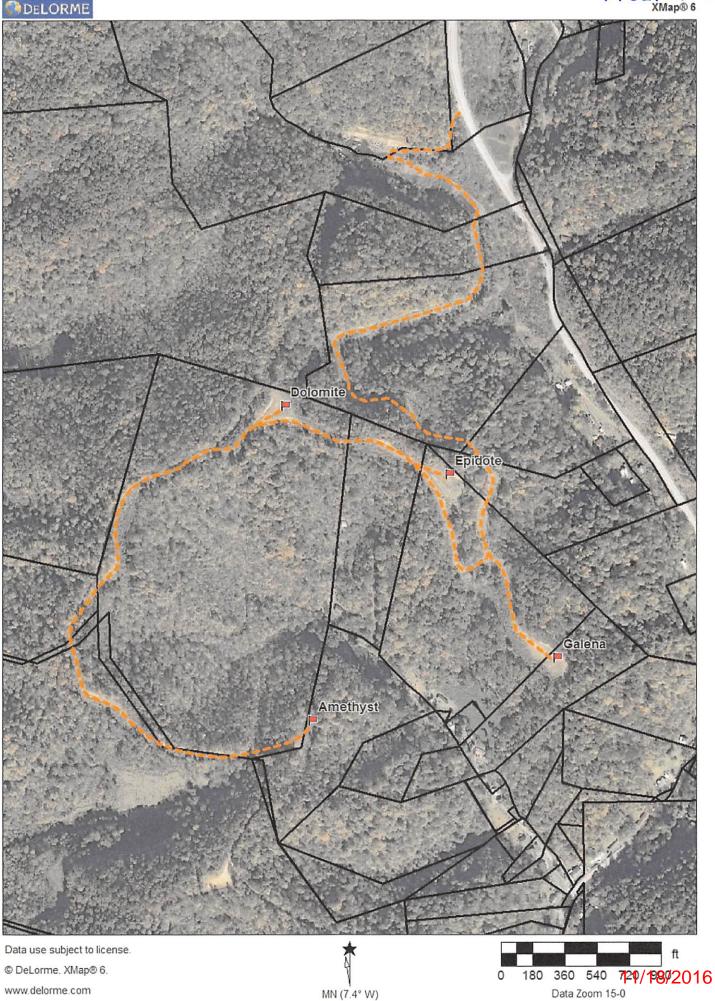
WW-4A Supplem Revised 6-07	ental Page (#1)		e: Septemb erator's Well Numl	er 16, 2016 per	
				047	02169
			Well No.: 47 -	047	02103
DE	STATE OF PARTMENT OF ENVIRONMENTA NOTICE OF APPLICATION	F WEST VIRGI L PROTECTI TO PLUG AN	ON, OFFICE OF	OIL AND GAS	
4) Surface Ow	ner(s) to be served: 5) (a)	coal Operator			
(a) Name	Greg Reynolds & Holly Reynolds	Name			
Address	P. O. Box 614 Iaeger, WV 24844	Address			
	laeger, WV 24644				
(b) Name	Nancy Stacy	(b) Coal	Owner(s) with Dec	laration	
Address	P.O. Box 170	Name	Marco Land Co.		
	Justice, WV 24851	Address	P.O. Box 1223		
(c) Name	Judith Lawson & Charles Lawson	Name	Iaeger, WV 24844		
Address	HCR 68 Box 58	Address			
	Iagger, WV 24844				
6) Inspector	Brian Ferguson	(c) Coal Les	see with Declarati	on	
Address	708 Manor Drive	Name			
	Beckley, WV 25801	Address			
Telephone	304-550-6265				
well (2) The The reason However, Take notic accompan Protection the Applic	application to Plug and Abandon a Well on Forn its and the plugging work order: and plat (surveyor's map) showing the well location in you received these documents is that you have right you are not required to take any action at all. The that under Chapter 22-6 of the West Virginia Code, ying documents for a permit to plug and abandon a well, with respect to the well at the location described on a tation, and the plat have been mailed by registered or cumstances) on or before the day of mailing or delivery	on Form WW-6, s regarding the application of the undersigned well. If with the Chief of it the attached Applicate certified mail or del	operator proposes to file to Office of Oil and Gas, violand depicted on the al	eed in the instructions of or has filed this Notice a West Virginia Departmen tached Form WW-6. Co	in the reverses side.  and Application and it of Environmental opics of this Notice,
	Well Operator By: Its: Address Telephone	Jich Pro 3501 Fra Drann, o	SIRAT ACH Pank	Dr., Sde	B
Subscribed and	d sworn before me this 19 day o	or Sept	Notive	Ubiic .	
My Commissio	n Expires 2/23/19			P. DYKE HO	
0			1	State of Oklai	homa
Oil and Gas Priv	vacy Notice		1 M	Commission # 0 y Commission Expire	
The Office of Oil	l and Gas processes your personal informat s. Your personal information may be disclo	ion, such as nan	ne, address an		
business or as no	seded to comply with statutory or regulate priately secure your personal information. ase contact DEP's Chief Privacy Officer at	ry requirements If you have any	, including Freedom questions about our	of Information Act	t requests. Our

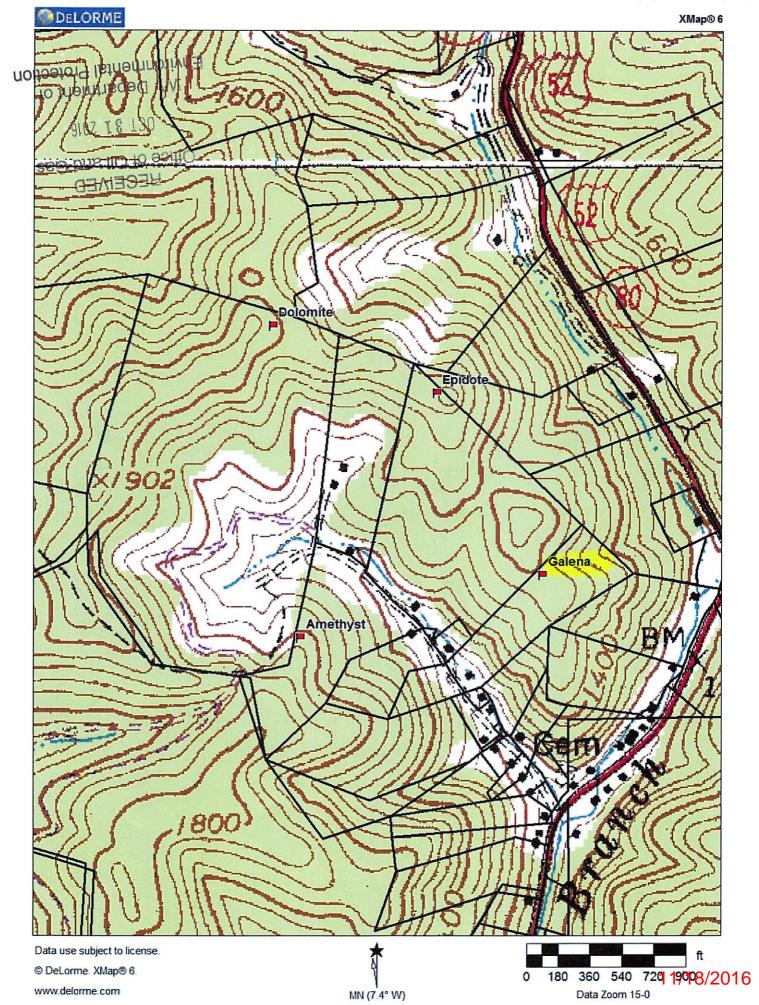
WW-4A Supplen Revised 6-07	nental Page (#2)		te: <u>Septemb</u> erator's Well Numl GALENA#1 CBM	er 16, 2016 per
		3) API	Well No.: 47	047 - 02169
DI	STATE OF EPARTMENT OF ENVIRONMENTAL NOTICE OF APPLICATION T	WEST VIRGI PROTECT O PLUG AN	ION, OFFICE OF	OIL AND GAS
4) Surface Ow		oal Operator	es	
(a) Name	Frank Roberts and Brenda Roberts	Name		
Address	P.O. Box 1051	Address		
	Iaeger, WV 24844			
(b) Name	Charles Lawson and Sandi Lawson	(b) Coal	Owner(s) with Dec	A CONTRACTOR OF THE PARTY OF TH
Address	P.O. Box 745	Name	Marco Land Co.	
	Iaeger, WV 24844	Address	P.O. Box 1223 Iaeger, WV 24844	
(c) Name	Puggell Ving	Name	1aeger, W V 24644	
Address	Russell King	Address		
71447000	HCR 68 Box 96 Iaeger, WV 24844			
6) Inspector	Brian Ferguson	(c) Coal Le	ssee with Declarat	ion
Address	708 Manor Drive	Name		
	Beckley, WV 25801	Address		
Telephone	304-550-6265			
(1) The wel (2) The	e application to Plug and Abandon a Well on Form lits and the plugging work order; and e plat (surveyor's map) showing the well location or on you received these documents is that you have rights a	WW-4B, which s	ects out the parties invo	olved in the work and describes the
Take not accompai Protectio the Appl	n you are not required to take any action at all.  you are not required to take any action at all.  ice that under Chapter 22-6 of the West Virginia Code, th nying documents for a permit to plug and abandon a well  n, with respect to the well at the location described on th ication, and the plat have been mailed by registered or c  recumstances) on or before the day of mailing or delivery to	e undersigned wel with the Chief of t e attached Applica ertified mail or de	l operator proposes to file he Office of Oil and Gas, tion and depicted on the a	or has filed this Notice and Application and West Virginia Department of Environmental ttached Form WW-6. Copies of this Notice.
	Well Operator By:  Its:  Address	VICE ?	Enrich F	PANC Dr., Ste, B
	Telephone	405-81	18-1512	2 = 12
Subscribed ar	ad sworn before me this 19 thay of	Supto	mben 70	010
	on Expires 2/23/19			P. DYKE HOPPE Notary Public
0			1	State of Oklahoma
Oil and Gas Pr			1	Commission # 03000486
The Office of O	il and Gas processes your personal informations. Your personal information may be disclos	on, such as na	me, address and pho	parties in the normal course of
business or as a	eeded to comply with statutory or regulator, opportunities of the comply with statutory or regulator, opportunities of the content of the con	y requirement f you have any	s, including Freedom questions about our	of Information Act requests. Our

WW-4A Suppleme Revised 6-07	ental Page (#3)		1) Da 2) Op	erator's	September Well Number 1-#1 CBM		
			3) AP	Well N	No.: 47 -	047	02169
DE	PARTMENT OF EN	VIRONMENTA	F WEST VIRG AL PROTECT TO PLUG AL	ION, C	OFFICE OF C	OIL AND GAS	3
4) Surface Own (a) Name Address	ner(s) to be served: Brenda Kennedy, Archie P.O. Box 867 laeger, WV 24844		Coal Operator Name Address				
(b) Name Address			(b) Coal Name Address	Marc P.O.	(s) with Declar to Land Co. Box 1223 er, WV 24844		
(c) Name Address			Name Address				
6) Inspector Address	Brian Ferguson 708 Manor Drive Beckley, WV 25801		(c) Coal Le Name Address	ssee wi	th Declaration	1	
(1) The well (2) The reason	resons named  application to Plug and Aba  atts and the plugging work o  plat (surveyor's map) showi  you received these documents  you are not required to take any	ndon a Well on For rder; and ng the well location is that you have righ	on WW-4B, which on Form WW-6.	sets out t	he parties involve	ed in the work and	describes the
Take notice accompany Protection, the Applic	that under Chapter 22-6 of the bring documents for a permit to with respect to the well at the ation, and the plat have been neumstances) on or before the day	e West Virginia Code plug and abandon a w location described on nailed by registered of	ell with the Chief of the attached Applica or certified mail or de	the Office	of Oil and Gas, Wes	thed Form WW-6.	Copies of this Notice,
		Well Operator By: Its: Address	NONTHERS VID PA	DE SIG	Propact dest h Park	D2., 6	pary ble B
Subscribed and	sworn before me this	Telephone	of Scot	248	1212 N 2016	,	
My Commissio	n Expires	23//9	ation such as no	me add	_ Notary Put	P. DYKE  Notary  State of Commission  Y Commission Ex	Public
regulatory duties business or as no office will appro-	and Gas processes your s. Your personal informa seded to comply with str priately secure your per- ase contact DEP's Chief	tion may be disc atutory or regulational information	losed to other St tory requirement a. If you have any	ate agen s, includ questio	icies or third pa ding Freedom of ons about our u	f Information A	ct requests. Our

יעועיס API Number 47 - 047 (5/16)Operator's Well No. Galena-#1 STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN Operator Name Northport Production Company Watershed (HUC 10) Johnnycake Branch of Tug Fork Quadrangle IAEGER 7.5 Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? But metal took Will a pit be used? Yes ] No M If so, please describe anticipated pit waste: Less than 20 BBLS. Metal Plt to gather any overflow No V if so, what ml.? Will a synthetic liner be used in the pit? Yes Proposed Disposal Method For Treated Pit Wastes; Land Application (if selected provide a completed form WW-9-CPP) Underground Injection (UIC Permit Number 34-105-2-3619 SWIW #19 Reuse (at API Number\_ Off Site Disposal (Supply form WW-9 for disposal location) Other (Explain Will closed loop system to used? If so, describe: JU Stripping Head With Flow Line to Metal Pil Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Class A Commont & 6% Borntocote Gel -If oil based, what type? Synthetic, petroleum, etc. NA Additives to be used in drilling nuclium? Class A Cement and 6% Get for Plugging Material Only Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. No Cuttings involved. 6% Gel From Displacement Only -If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) No Solida hivolved. -Landfill or offsite name/permit number? NA Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The nutice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed. I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Cas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/orother applicable law or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information. I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. Company Official Signature JOHN VAUGHAN Company Official (Typed Name) Company Official Title Notary Public 2.23.15 P. DYKE HOPPE Notary Public State of Oklahoma Commission # 03000486 My Commission Expires Feb 23, 2019

опп WW-9	1	Operator's We	ll No. Galena-#1
	Control and a co	Prevegetation ph	
	Tons/acre or to correct to pl-		
Fertilizer type 1			
		bs/acre	9
Mulch_60 Bale	enoTe	hare	
	Ç.	ed Maxtures	
		Perma	
	Temporary		
Seed Type	lhs/acre	Seed Type KY 31	lbs/acre 40
			5
		Ladino Clover	
		Annual Rye	15
	s, of the land application area.		
Plan Approved by:			
Comments, NA, H	auling any excess fluid	s to disposal facility.	
Reclamation will be to pa	rameters accepted after drilling operati	ons (current conditions) unless WVDEP	has additional requirements
	the state of the section of the sect	and make the transfer and report and all proper equipments	
			e es axavarena esas como esas esas esas esas esas esas esas esa
700	200-10-7	Date: 8)301K.	
Title: 7, 5	Pres ( )Yes	Date: 8)30) K.	





WW-7 8-30-06



# West Virginia Department of Environmental Protection Office of Oil and Gas WELL LOCATION FORM: GPS

API: 47-47-02169-C WELL NO .: GALENA #1
FARM NAME: KENNEDY
RESPONSIBLE PARTY NAME: JON ULLLY
COUNTY: McDowell DISTRICT: SANSY RIVER
QUADRANGLE: /AEGER
SURFACE OWNER: ARCHIE KENNEDY SE, AZONIE KENNEDY JR, BRENSA KENNEDY
ROYALTY OWNER: MARLO LAND C.
UTM GPS NORTHING: 4149953 .nN
UTM GPS EASTING: 428472 ME GPS ELEVATION: 479.16 M
The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:  1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.  2. Accuracy to Datum – 3.05 meters  3. Data Collection Method: Survey grade GPS: Post Processed Differential  Real-Time Differential  Real-Time Differential  OCT 31 2016
Mapping Grade GPS X: Post Processed Differential WV Department of
Real-Time Differential X Environmental Protection
4. Letter size copy of the topography map showing the well location.  I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.
Signature Operations Dav. 10/28/16  Title Date