

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, January 19, 2018 WELL WORK PERMIT Vertical / Plugging

K. PETROLEUM, INC. 81 MILL STREET, SUITE 205

GAHANNA, OH 432306510

Re:

Permit approval for WB 10 47-109-01047-00-00

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: WB 10

Farm Name: POCAHONTAS LAND CORP. U.S. WELL NUMBER: 47-109-01047-00-00

Vertical / Plugging

Date Issued: 1/19/2018

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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

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.

WW-4B Rev. 2/01

1) Date DECEMBER 13TH ,	2017
2) Operator's	
Well No. WB#10 (POC #5)	
3) API Well No. 47-109	- 01047

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

OFFICE		GAS

	APPLICATION FOR A PERM	AIT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas XX _/ Liquid (If "Gas, Production or Und	d injection/ Waste disposal/ derground storage) Deep/ Shallow XX
5)	Location: Elevation 1297' District CENTER	Watershed INDIAN CREEK County WYOMING Quadrangle PINEVILLE 7.5
6)	Well Operator Address Address GAHANNA, OH 43230-6510	7) Designated Agent JAM KHORRAMI Address 81 MILL STREET, SUITE 205 GAHANNA, OH 43230-6510
8)	Oil and Gas Inspector to be notified Name Brian Ferguson Address 708 Manor Drive Beckley WV 25801	9) Plugging Contractor Name PATCHWORK OIL & GAS, LLC Address PO BOX 168 DAVISVILLE, WV 26142
	MSHA 101 C EXEMPTION FOR	er of plugging this well is as follows:
	MINE- THROUGH	RECEIVED Office of Oil and Gas
		DEC 26 2017
Methystonenspinde		WV Department of Environmental Protection
Notif work	ication must be given to the district oil can commence.	and gas inspector 24 hours before permitted
Work	order approved by inspector Bunk Fore	Date 12/18/17



Search Page

Click on an Operator Name link to get the Operator's Agent address information

1 rows returned							
ID	Name	Address	City	State	Zip Code	Phone Number	Attention
306574	K. PETROLEUM, INC.	81 MILL STREET, SUITE 205	GAHANNA	ОН	43230-6510	614-532-5420	KHORRAMI, JAM

RECEIVED
Office of Oil and Gas

DEC 26 2017

WV Department of Environmental Protection WW-4B Work Order Attachment

47-109-01047 WB #10 (POC #5)

- 1. Prepare plugging permit application.
- 2. Certify to surface and coal owners.
- 3. Certify or email to designated state inspector
- 4. Once all signatures are obtained, copy for our records and certify to Jeff at the Office of Oil & Gas for approval.
- 5. Receive plugging permit good for 2 years.
- 6. Notify the designated inspector 24 hours prior to commencing operations.
- 7. Take equipment to location and begin prepping for plug.
- 8. Rig up
- 9. Verify total depth of 1420'.
- 10. Run tubing to TD. Set first plug with 21 sacks of Class A cement with no more than 3% CaCl2 and no other additives from TD up to 1130'. Pull tubing back (bottom plug & perfs)
- 11. Wait 8 hours, run in and tag plug. ADD CEMENT IF NEEDED.
- 12. Begin looking for free point.
- 13. Run 1 sack of 6% Bentonite gel from 1130' up to 820'.
- 14. Based on cement fill up per records the 4½ free point should be around 770'.
- 15. Rip and remove 770' of 4 ½, run tubing back in to 820', run 33 sacks for second plug of Class A cement with no more than 3% CaCl2 and no other additives from 820' up to 667'.

RECEIVED
Office of Oil and Gas

DEC 26 2017

NAD / Donoulus and af

Environmental Protection

ADOMIONAL PLUC 15

A MINIMUM OF 100' CLASS A CEMENT ALUG WITH NO MOLE THAN 390 CaCl, AND NO OTHER ADDITIVES MUST BE PLACED ACROSS THE 41/2" CASING CUT IF THE CUT IS BELOW 870!

- 16. Pull tubing back, wait 8 hours.
- 17. Run in and tag plug.
- 18. SET AN EXPANDING CEMENT PLUG FROM THIS POINT TO
 100' ABOUE THE SHALLOWEST MINABLE COAL, WHICH
 15 \$\infty\$ 140' THEREFORE, C'EMENT TO W/IN 10' OF SURFACE.
- 19. MONDMENT MUST BE PLACED FROM 10' BELOW SURFACE TO
 30" ABOUT SURFACE.
- 20. Set 6" x 12.5" steel pipe with concrete with 1/2" API identification.
- 21. Rig down and move equipment off location.
- 22. Reclaim
- 23. Prepare WR-34 & WR-38 for permit release.

RECEIVED
Office of Oil and Gas

DEC 26 2017

1

U.S. Department of Labor

Mine Safety and Health Administration 4015 Wilson Boulevard Arlington, Virginia 22203-1984



April 08, 1994

MSHA 101 C EXEMPTION FOR MINE - THROUGH

APR 15 1994

MEMORANDUM FOR MICHAEL J. LAWLESS

Facilities : Mili DISTRICTA

FROM:

ALLYN DAVIS

Chief, Division of Safety

SUBJECT:

Finalized Cases, Petitions for Modification

The cases listed below have become final pursuant to 30 CFR 44.13. More than 30 days have elapsed since the issuance of the proposed decisions and orders or the proposed orders of dismissal. No requests for hearing or appeals that would prohibit implementation of the modification have been received. Cases shown with an asterisk, however, have been partially appealed pursuant to 30 CFR 44.14(c); the proposed decisions and orders may be implemented for these cases during the appeal of one or more terms and conditions.

Docket No.	Mine ID	Date Final	Decision	
M-93-051-C	4601816	04/02/94	Granted	_

Gacy No. 50 mine U.S. Steel Mining Company, Inc. ID 46-01816 Section 75.1700

CC: D. S. Mandeville

C. E. Thomas T. E. Gunter

Ventilation Files

M G H A MOUNT HOPE, W. VA. MAR - 7 1994

RECEIVED DISTRICT 4

WAR 3 1994

In the matter of U.S. Steel Mining Company, Inc. Gary No. 50 Mine I.D. No. 46-01816

Petition for Modification

Docket No. M-93-51-C

PROPOSED DECISION AND ORDER

On March 26, 1993, a petition was filed seeking a modification of the application of 30 CFR 75.1700 to Petitioner's Gary No. 50 Mine, located in Wyoming County, West Virginia. The Petitioner alleges that the alternative method outlined in the petition will at all times guarantee no less than the same measure of protection afforded by the standard.

MSHA personnel conducted an investigation of the petition and filed a report of their findings and recommendations with the Administrator for Coal Mine Safety and Health. After a careful review of the entire record, including the petition and MSHA's investigative report and recommendation, a Proposed Decision and Order was issued on October 14, 1993. On November 3, 1993, the Petitioner filed a request for a hearing objecting to certain terms and conditions set forth in Item II. (a) and (b) of the Proposed Decision and Order.

Following a request from the Administrator, the petition was remanded to Coal Mine Safety and Health for reconsideration on December 21, 1993. After further evaluation of the entire record, including the petition, the Mine Safety and Health Administrations's investigative report and recommendations, and comments from the Petitioner, this new Proposed Decision and Order is issued which supersedes the Proposed Decision and Order issued on October 14, 1993.

Finding of Fact and Conclusion of Law

The alternative method proposed by the Petitioner will at all times guarantee no less than the same measure of protection afforded the miners under 30 CFR 75.1700.

On the basis of the petition and the findings of MSHA's investigation, U.S. Steel Mining Company, Inc., is granted a modification of the application of 30 CFR 75.1700 to its Gary No. 50 Mine.

CC: D. S. Mandeville

C. E. Thomas

T. E. Gunter

Ventilation Files

5/3/8/15t

ORDER

Wherefore, pursuant to the authority delegated by the Secretary of Labor to the Administrator for Coal Mine Safety and Health, and pursuant to Section 101(c) of the Federal Mine Safety and Health Act of 1977, 30 U.S.C., sec. 811(c), it is ordered that U.S. Steel Mining Company, Inc.'s Petition for Modification of the application of 30 CFR 75.1700 in the Gary No. 50 Mine is hereby:

GRANTED, conditioned upon compliance with the following terms and conditions:

- I. The wellbore shall be plugged using the following technique and procedures:
 - (a) <u>Cleaning out and preparing oil and gas wells</u>. Prior to plugging an oil or gas well, the following procedure shall be followed:
 - (1) A diligent effort shall be made to clean the borehole to the original total depth. If this depth cannot be reached, the borehole shall be cleaned out to a depth which would permit the placement of at least 200 feet of expanding cement below the base of the lowest mineable coalbed.
 - (2) When cleaning the borehole, a diligent effort shall be made to remove all the casing in the borehole. If it is not possible to remove all casing, the casing which remains shall be perforated, or ripped, at intervals spaced close enough to permit expanding cement slurry to infiltrate the annulus between the casing and the borehole wall for a distance of at least 200 feet below the base of the lowest mineable coalbed.
 - (3) If the cleaned-out borehole produces gas, a mechanical bridge plug shall be placed in the borehole in a competent stratum at least 200 feet below the base of the lowest mineable coalbed, but above the top of the uppermost hydrocarbon-producing stratum. If it is not possible to set a mechanical bridge plug, a substantial brush plug may be used in place of the mechanical bridge plug.
 - (4) A suite of logs shall be made consisting of a caliper survey directional deviation survey,

and log(s) suitable for determining the top and bottom of the lowest mineable coalbed and potential hydrocarbon-producing strata and the location for the bridge plug.

- (5) If the uppermost hydrocarbon-producing stratum is within 200 feet of the base of the lowest mineable coalbed, properly placed mechanical bridge plugs or a suitable brush plug described in subparagraph (a)(3) shall be used to isolate the hydrocarbon-producing stratum from the expanding cement plug. Nevertheless, a minimum of 200 feet of expanding cement shall be placed below the lowest mineable coalbed.
- (6) The wellbore shall be completely filled and circulated with a gel that inhibits any flow of gas, supports the walls of the borehole, and densifies the expanding cement. This gel shall be pumped through open-end tubing run to a point approximately 20 feet above the bottom of the cleaned out area of the borehole or bridge plug.

(b)

SOLID PLUG

<u>Plugging oil and gas wells to the surface</u>. The following procedures shall be utilized when plugging oil and gas wells to the surface:

- A cement plug shall be set in the wellbore by (1)pumping an expanding cement slurry down the tubing to displace the gel and fill the borehole to the surface. (As an alternative, the cement slurry may be pumped down the tubing so that the borehole is filled with Portland cement or a Portland cement-fly ash mixture from a point approximately 100 feet above the top of the lowest mineable coalbed to the surface with an expanding cement plug extending from at least 200 feet below the lowest mineable coalbed to the bottom of the Portland There shall be at least 200 feet of cement.) expanding cement below the base of the lowest mineable coalbed.
- (2) A small quantity of steel turnings, or other small magnetic particles, shall be embedded in the top of the cement near the surface to serve as a permanent magnetic monument of the borehole, if a steel surface casing is not present.

 $^{h}\mathcal{P}_{m_{p}}$

- (c) Plugging oil and gas wells using the vent pipe method. The following procedures shall be utilized when using the vent pipe method for plugging oil and gas wells:
 - (1) A 4 1/2-inch or larger vent pipe shall be run into the wellbore to a depth of 100 feet below the lowest mineable coalbed and swedged to a smaller diameter pipe, if desired, which will extend to a point approximately 20 feet above the bottom of the cleaned out area of the borehole or bridge plug.
 - (2) A cement plug shall be set in the wellbore by pumping an expanding cement slurry, Portland cement, or a Portland cement-fly ash mixture down the tubing to displace the gel so that the borehole is filled with cement. The borehole and the vent pipe shall be filled with expanding cement for a minimum of 200 feet below the base of the lowest mineable coalbed. The top of the expanding cement shall extend upward to a point approximately 100 feet above the top of the lowest mineable coalbed.
 - (3) All fluid shall be evacuated from the vent pipe to facilitate testing for gases. During the evacuation of fluid, the expanding cement shall not be disturbed.
 - (4) The top of the vent pipe shall be protected to prevent liquids or solids from entering the wellbore, but permit ready access to the full internal diameter of the vent pipe when necessary.
- (d) Plugging oil and gas wells for use as degasification boreholes. The following procedures shall be utilized when plugging oil and gas wells for subsequent use as degasification boreholes:
 - (1) A cement plug shall be set in the wellbore by pumping an expanding cement slurry down the tubing to displace the gel and provide at least 200 feet of expanding cement below the lowest mineable coalbed. The top of the expanding cement shall extend upward to a point above the top of the coalbed being mined. This distance shall be based on the average height of the roof strata breakage for the mine.

- (2) To facilitate methane drainage, degasification casing of suitable diameter, slotted or perforated throughout its lower 150 to 200 feet, shall be set in the borehole to a point 10 to 30 feet above the top of the expanding cement.
- (3) The annulus between the degasification casing and the borehole wall shall be cemented from a point immediately above the slots or perforations to the surface.
- (4) The degasification casing shall be cleaned out for its total length.
- (5) The top of the degasification casing shall be fitted with a wellhead equipped as required by the District Manager. Such equipment may include check valves, shut-in valves, sampling ports, flame arrestor equipment, and security fencing.
- II. The following procedures shall apply to mining through a plugged oil and gas well:
 - (a) The operator shall notify the District Manager or designee prior to mining within 300 feet of the well.
 - (b) A representative of the operator; a representative of the miners; and State Inspection Agency; or the MSHA District Manager or designee may request that a conference be conducted prior to mining through any plugged well to review, evaluate and accommodate any abnormal or unusual circumstance(s) related to the condition of the well or surrounding strata when such conditions are encountered. The party requesting the conference shall notify all other parties listed above within a reasonable time prior to the conference to provide adequate opportunity for participation.
 - (c) Mining through a plugged well shall be done on a shift approved by the District Manager or designee. The District Manager or designee and the miners' representative shall be notified as to which shift mining will be done in close proximity to or through a plugged well.
 - (d) The District Manager or designee, representatives of the miners, the miners on the section, and the appropriate State agency shall be notified by the

operator in sufficient time in order to provide an opportunity to have representatives present.

- (e) When using continuous or conventional mining methods, drivage sights shall be installed at the last open crosscut near the place to be mined to ensure intersection of the well. The drivage sights shall not be more than 50 feet from the well. When using longwall mining methods, drivage sights shall be installed on 10-foot centers for a distance of 50 feet in advance of the wellbore. The drivage sights shall be installed in the headgate and tailgate.
- (f) Firefighting equipment, including fire extinguishers, rock dust, and sufficient fire hose to reach the working face area of the mining through shall be available when either the conventional or continuous mining method is used. The fire hose shall be located in the last open crosscut of the entry or room. When the longwall mining method is implemented, the fire hose shall be extended to the face area of the mine through. All fire hoses shall be ready for operation during the mining through.
- (g) Sufficient supplies of roof support and ventilation materials shall be available and located at the last open crosscut. In addition, an emergency plug and/or plugs, shall be available within the immediate area of the mine through.
- (h) During the mine-through operation, the quantity of air required by the ventilation plan, but not less than 9,000 cubic feet per minute (cfm) of air, shall reach each working face where coal is being cut, mined, drilled for blasting, or loaded. The quantity of air required by the ventilation plan, but not less than 30,000 cfm, shall reach the working face of each longwall during the mine-through operation.
- (i) Equipment shall be checked for permissibility and serviced on the shift prior to mining through the well and the water line maintained up to the tail piece with a sufficient amount of fire hose to reach the farthest point of penetration on the section.
- (j) The methane monitor on the longwall, continuous mining machine, or cutting machine and loading

machine shall be calibrated on the shift prior to mining through the well.

- (k) When mining is in progress, tests for methane shall be made with a hand-held methane detector at least every 10 minutes from the time that mining with the continuous mining machine, cutting machine, or loading machine is within 30 feet of the well until the well is intersected and immediately prior to mining through. When mining with longwall mining equipment, the tests for methane shall be made at least every 10 minutes when the longwall face is within 30 feet of the well. During the actual cutting through process, no individual shall be allowed on the return side until mining through has been completed and the area has been examined and declared safe.
- (1) When using continuous or conventional mining methods, the working place shall be free from accumulations of coal dust and coal spillages, and rock dust shall be placed on the roof, rib, and floor to within 20 feet of the face when mining through the well. On longwall sections, rock dusting shall be conducted and placed on the roof, rib, and floor up to both the headgate and tailgate gob.
- (m) When the wellbore is intersected, all equipment shall be deenergized and the place thoroughly examined and determined safe before mining is resumed. Any well casing shall be removed and no open flame shall be permitted in the area until adequate ventilation has been established around the wellbore.
- (n) After a well has been intersected and the working place determined safe, mining shall continue inby the well a sufficient distance to permit adequate ventilation around the area of the wellbore.
- (o) No person shall be permitted in the area of the mining through operation except those actually engaged in the operation, company personnel, representatives of the miners, personnel from MSHA, and personnel from the appropriate State agency.
- (p) The mining-through operation shall be under the direct supervision of a certified individual. Instructions concerning the mining-through operation shall be issued only by the certified individual in charge.

- (q) MSHA personnel may interrupt or halt the mining through operation when it is necessary for the safety of the miners.
- (r) A copy of the decision approving this petition shall be maintained at the office of Gary No. 50 Mine and be available to the Secretary's representatives, miners' representatives and miners.
- (s) The Petitioner shall file a plugging affidavit setting forth the persons who participated in the work, a description of the plugging work, and a certification by the Petitioner that the well has been plugged as described.
- (t) Within 60 days after this Proposed Decision and Order becomes final, the Petitioner shall submit proposed revisions for their approved 30 CFR Part 48 training plan to the Coal Mine Safety and Health District Manager. These proposed revisions shall include initial and refresher training regarding compliance with the terms and conditions stated in the Proposed Decision and Order.
- III. This petition for modification applies to all types of mining such as continuous miner sections, continuous mining utilizing mobile bridge, and longwall.

Any party to this action desiring a hearing on this matter must file in accordance with 30 CFR 44.14, within 30 days. The request for hearing must be filed with the Administrator for Coal Mine Safety and Health, 4015 Wilson Boulevard, Arlington, Virginia 22203.

If a hearing is requested, the request shall contain a concise summary of position on the issues of fact or law desired to be raised by the party requesting the hearing, including specific objections to the proposed decision. A party other than Petitioner who has requested a hearing shall also comment upon all issues of fact or law presented in the petition, and any party to this action requesting a hearing may indicate a desired hearing site. If no request for a hearing is filed within 30 days after

service thereof, the Decision and Order will become final and must be posted by the operator on the mine bulletin board at the mine.

Signed: Robert A. Elam

Robert A. Elam Deputy Administrator for Coal Mine Safety and Health

Certificate of Service

I hereby certify that a copy of this proposed decision was served personally or mailed, postage prepaid, this 3 th day of Worth, 1994, to:

Billy M. Tennant, Esq. U.S. Steel Mining Company, Inc. 600 Grant Street, Room 1580 Pittsburgh, Pennsylvania 15219

Ms. Linda Raisovich-Parsons Special Assistant United Mine Workers of America 900 Fifteenth Street, NW. Washington, DC 20005

cc: Mr. Stephen Weber

bcc: Lin Phillips

D. White

L. Smith

E. Fitch

P. Silvey Case File

MCS:MAGriffin:mag: 02/15/94

. 08-Jun-88 API # 47-109-01047

State of West Virginia
DEPARTHENT OF ENERGY
Division of Oil and Gas

Division of Oil and Gas

CHYSION OF OIL C GAS
DEPARTMENT OF CHARGHEIL Operator's Report of Well Work

Farm name: POCAHONTAS LAND CORP. Operator Well No.: WB 10

LOCATION: Elevation: 1297.00 Quadrangle: PINEVILLE

District: CENTER County: WYOMING Latitude: 5600 Feet South of 37 Des. 32Min. 30 Sec. Longitude 2640 Feet West of 81 Des. 35 Min. 0 Sec.

Company: BOWIE: INC.

132 WALDECK STREET CLARKSBURG, WV

Agent: WILLIAM H. BOWIE

Inspector: ARTHUR ST. CLAIR
Fermit Issued: 06/08/88
Well work Commenced: 11/16/59
Well work Completed: 11/16/59
Verbal Plussing
Permission granted on:
Rotary X. Cable Ris
Tutal Depth (feet) 1/420
Fresh water depths (ft)
30,57,300
, Salt water depths (ft)
15 coal being mined in area (Y/N)? K

1 Casing	l Used in	Left	Cement
1 &	I	1	IFill Upl
1 Tubins	Drilling	I in Well	ICu. Ft.I
1			
Size	1	1	1 1
1	1	1	T i
16"	ı zo'	1	.1. i
1			
113/4"	42'	1	! !
14.14	46	, 	. <u>-</u>
ì	ı	1	1
85/8"	717	717	icts i
		1	1 1
! 41/2"	1402	1402	1455KS
1			
1	l	1	1 1
		1	1 [
1			1

OPEN FLOW DATA

Producing formation Kavency FF Pay zone depth (ft) #80-1260

Gas: Initial open flow #80 HCF/d Oil: Initial open flow Bb1/d

Final open flow #50 HCF/d Final open flow Bb1/d

Time of open flow between initial and final tests Hours

Static rock Pressure 320 Psis (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED SINTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: BOWIE. INC.

But Bradlay W. Thomas

145 SKS CEMENT 5/60 802 & 1.24 CFT/SK HIGLD 145 × 1.24 = 179.80 CFT & 180 CFT CEMENT

YOLA = TT 12x 62' = 3.14 x (3/2)2 x62

> = 3.14 + 0.03 + 62 = 5 84 CFT

. . .

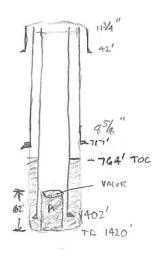
Alex

RECEIVED
Office of Oil and Gas

DEU 26 2017

WV Department of Environmental Protection

180 - 6 = 174 CET LEFT TO FILL ANDLUS HAL RED BOOK & 41/2" IN 7/6" HOLE => 4.39 LIN. FT. /CET X 174 CFT = 764' HEIGHT



DEIAITS OF PERFORMED INTERVALS, FRANCISCHIES ON STREETAFIES, PRASTON, CHARGE, EIC.

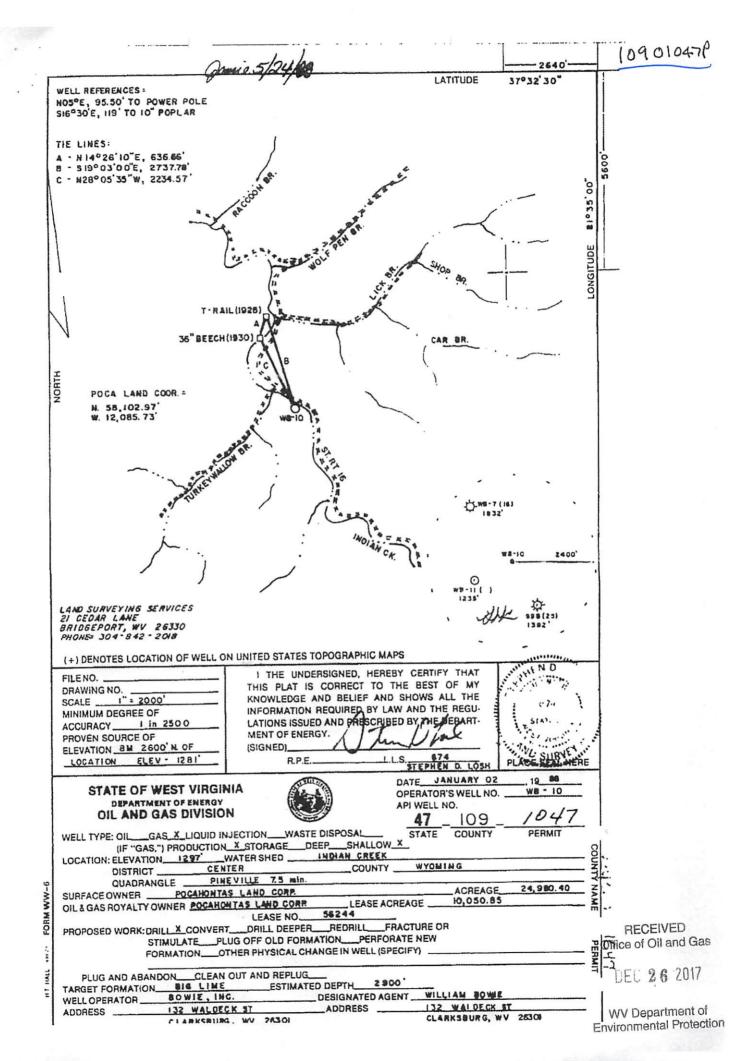
PERFORMANS: 30 HOLES (1198-1272), 5000KS SAND, 750 Jul 154 HU, 600 BBL 750 FORM

MELL TOXI .

CONTINUE COLOR HAIR OR SOFT	Test for	holatt teat	including indication of all free and sait water, coal, oil and go
FILL	0	10	
SAND	10	50	3"STREAM HZO C30"
SAND & SHALE.	50	140	Z' STREAM HERO C 57'
Coal	140	144	/
SAND & Shale	144	190	
SAND	190	350	2" STREAM HZO @ 300'
COAL	350	356	1
SAND & Shele	356	470	
SAND		740	DISCUSIVE S
Shale	470	1	A. L.
	740	792	DEC 20 1389 4
SAND	792	834	privident of the class
SHALE & Ked Rock	834	1148	DEPARTMENT OF HERG
SAND	1148	1272 .	GAS SHOW 1
LIME	1272	1318	*
shale & Red Rock	1318	1350	
SAND	1350	1420 DTD	
	/350		

RECEIVED Office of Oil and Gas

23 2017



WW-4A	
Revised	6-07

1)	Date:	DECEMBER 13TH, 2017
2)	Operator	's Well Number
	#10 (POC #5)	

3) API Well No.: 47 -

9		01047	
---	--	-------	--

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface O	wner(s) to be served:	5) (a) Coal Operator		
(a) Name	PINNACLE COAL COMPANY	Name	PINNACLE MINING COMPANY, LLC &	BLUESTONE COAL CORPORATION
Address	PO BOX 338	Address	PO BOX 338	PO BOX 1085
	PINEVILLE, WV 24874		PINEVILLE, WV 24874	BECKLEY, WV 25802
(b) Name		(b) Coal Own	ner(s) with Declaration	
Address		Name	NATURAL RESOURCE PARTNE	RS
		Address	5260 IRWIN ROAD	
			HUNTINGTON, WV 25705	
(c) Name		Name		
Address		Address		
6) Inspector	Brian Ferguson	(c) Coal Less	see with Declaration	
Address	708 Manor Drive	Name		
	Beckley WV 25801	Address		
Telephone	304-550-6265			

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



TERESA M JONAS
NOTARY PUBLICWell Operator K. PETROLEUM, INC
STATE OF OHIOBy:

Telephone

Comm. Expires Its: 06-28-2021 Address

Address 81 MILL

JAM KHORRAMI

PRESIDENT

81 MILL STREET, SUITE 205

GAHANNA, OH 43230-6510

614-532-5420

Subscribed and sworn before me this 13 day of December 2017

Notary Public

My Commission Expires (6-28-2)

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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. ORECEIVED office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

Office of Oil and Gas

DEC 26 2017



532	U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
=0	For delivery information, visit our website at www.usps.com®.	
0006 5071	Certified Mail Fee \$ Strtra Services & Fees (check box, add fee as adpropriate) Return Receipt (hardcopy) Structure Receipt (electronic) Postmark Certified Mail Restricted Delivery Here	
0640	Adult Signature Required Adult Signature Restricted Delivery \$ Total Postage and Fees \$ 7.50	
7015	Sept of Street and All No., or PO BOX NO. Street and All No., or PO BOX NO. City State, 219-49 Beckley WW 25802	
-	PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instru	ctions

	U.S. Postal Service™
민원	CERTIFIED MAIL® RECEIPT Domestic Mail Only
0.1	For delivery information, visit our website at www.usps.com®. FINEVILLE WW 24874
_D s	Certified Mail Fee \$3.35 Extra Services & Fees (check box, add fee as appropriate)
1001	Return Receipt (nardcopy) \$ \$1 11 Postmark Certified Mail Restricted Delivery \$ \$1 11 Here Adult Signature Required \$ \$ 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	Postage \$1.40 Social Postage and Fees \$7.50
	Sent To Macle Coal: Mining Companies Sirget and Apt. No., or PO Box No. Mining Companies
	FIGURE 21444 WV 24874 PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

RECEIVED
Office of Oil and Gas

DEC 26 2017

WV Department of Environmental Protection

SURFACE OWNER WAIVER

Operator's Well Number

WB #10 (POC #5)

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

RECEIVED
Office of Oil and Gas

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

DEC 26 2017

WV Department of Environmental Protection

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have FIVE (5) 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.

<u>Comments must be in writing.</u> Your comments must 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.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies:
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation...".

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no		planned work	described in these	e materials, and I have no
objection to a permit being issued on the				
FOR EXECUTION BY A NATURAL PETC.		FOR EXECUTION	ON BY A CORPORATION,	
	Date	Name		
Signature		By -		

Its

Signature

Date

Date

API No.	47-109-01047 ^ρ	
Farm Name	Pocahontas Land	င္တာက
Well No.	WB #10 (POC #5)	

INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less then five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

	WAIVER	
has examined this proposed plugging wor	k order. The undersigned operator has complied w	has no objection to the work proposed to be with all applicable requirements of the West
Date:		
	By:	
	Its	

RECEIVED
Office of Oil and Gas

DEC 26 2017

WW-9 (5/16)

API Number			_ 01047			
Operator's W	ell No.	WB	1D ((POC+	5	

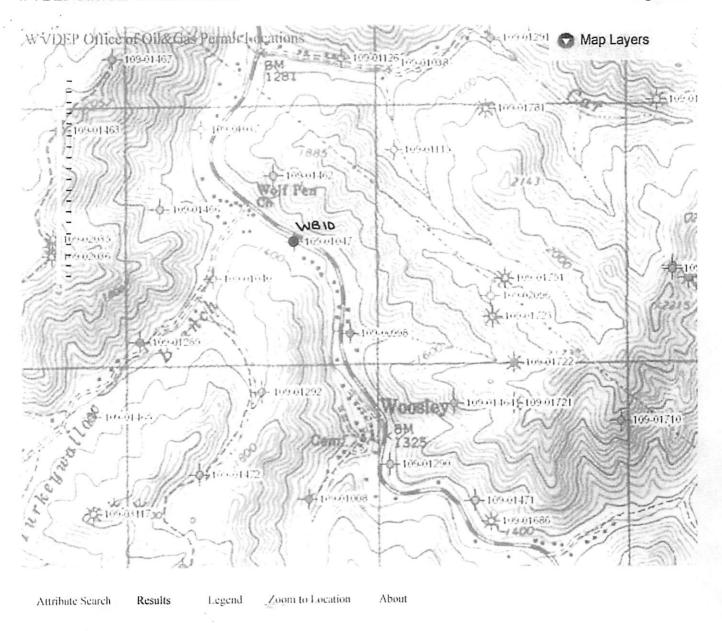
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

PEOIDS/ COTTINGS DISTOSAL & RECLAIN	ATION PLAN	
Operator Name_K. PETROLEUM, INC	OP Code 306574	
Watershed (HUC 10) INDIAN CREEK Quadrangle		
Do you anticipate using more than 5,000 bbls of water to complete the proposed w		
Will a pit be used? Yes No	ANY WELL EFFLUENT W	JILL BE
If so, please describe anticipated pit waste: Will a synthetic liner be used in the pit? Yes No If s	DISPOSED OF OFFSITI	
Will a synthetic liner be used in the pit? Yes No If s	o, what ml.?	9 WM
Proposed Disposal Method For Treated Pit Wastes:		
Land Application (if selected provide a completed form		
Underground Injection (UIC Permit Number Reuse (at API Number)	
Off Site Disposal (Supply form WW-9 for disposal loca	ation)	
Other (Explain Plugging contractor uses a vac truck for all	fluids associated with plugging operations.	
Will closed loop systembe used? If so, describe: N/A		
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater		
-If oil based, what type? Synthetic, petroleum, etc. N/A		-
		5
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A		
-If left in pit and plan to solidify what medium will be used? (cement, lime		
Permittee shall provide written notice to the Office of Oil and Gas of any load of dr West Virginia solid waste facility. The notice shall be provided within 24 hours of where it was properly disposed.	rejection and the permittee shall also disclose	у е
I certify that I understand and agree to the terms and conditions of the GE on April 1, 2016, by the Office of Oil and Cas of the West Virginia Department of provisions of the permit are enforceable by law. Violations of any term or condition or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am application form and all attachments thereto and that, based on my inquiry of those the information, I believe that the information is true, accurate, and complete. I submitting false information, including the possibility of fine or imprisonment.	f Environmental Protection. I understand the n of the general permit and/or other applicable familiar with the information submitted or individuals immediately responsible for obta	at the e law in this ining
- 7ª ·		RECEIVED
Company Official Signature	Off	ice of Oil and Gas
Company Official (Typed Name) JAM KHORRAMI		DEC 26 2017
Company Official Title PRESIDENT		•
13 Data L		VV Department of ronmental Protection
Subscribed and sworp before me this 13 day of December	, 20	Johnson
My commission expires 6-28-21	TERESA NOTARY STATE COmm. 06-28	PUBLIC OF OHIO Expires
	· · · · · · · · · · · · · · · · · · ·	

109 - 01047P Operator's Well No. WB # 10 (POC # 5)

Proposed Revegetation Treatment: Acres Disturbed 3.2			Preveg etation pl	-i <u>6.67</u>
Lime 2	Tons/acre or to c	correct to pH 6.5		
Fertilizer type 10-20-20-08-1	EQUIVALENT	+		
Fertilizer amount 500)	lbs/acre		
Mulch_STRAW	., ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Tons/acre		
		Seed Mixtures		
Tem	porary		Perma	nent
Seed Type TALL FESCUE	lbs/acre		Seed Type	lbs/acre
LADINO CLOVER	5			
Maps(s) of road, location, pit a provided). If water from the pi	t will be land applied	d, provide water volume		
Maps(s) of road, location, pit a provided). If water from the pit (L, W), and area in acres, of the Photocopied section of involve	t will be land applied e land application ar	l, provide water volume rea. heet.		
Maps(s) of road, location, pit a provided). If water from the pit (L, W), and area in acres, of the Photocopied section of involve	t will be land applied e land application ar ed 7.5' topographic s	d, provide water volume rea. heet.	, include dimensions (L,	
Maps(s) of road, location, pit a provided). If water from the pit (L, W), and area in acres, of the Photocopied section of involve Plan Approved by:	t will be land applied e land application ar ed 7.5' topographic s	d, provide water volume rea. heet.	, include dimensions (L,	
Maps(s) of road, location, pit a provided). If water from the pit (L, W), and area in acres, of the Photocopied section of involve Plan Approved by:	t will be land applied e land application ar ed 7.5' topographic s	d, provide water volume rea. heet.	, include dimensions (L,	
Maps(s) of road, location, pit a provided). If water from the pit (L, W), and area in acres, of the Photocopied section of involve Plan Approved by:	t will be land applied e land application ar ed 7.5' topographic s	d, provide water volume rea. heet.	, include dimensions (L,	
Maps(s) of road, location, pit a provided). If water from the pit (L, W), and area in acres, of the Photocopied section of involve Plan Approved by:	t will be land applied e land application ar ed 7.5' topographic s	d, provide water volume rea. heet.	, include dimensions (L,	
Maps(s) of road, location, pit a provided). If water from the pit (L, W), and area in acres, of the Photocopied section of involve Plan Approved by:	t will be land applied e land application ar ed 7.5' topographic s	d, provide water volume rea. heet.	, include dimensions (L,	
Maps(s) of road, location, pit a provided). If water from the pit (L, W), and area in acres, of the Photocopied section of involve Plan Approved by:	t will be land applied e land application ar ed 7.5' topographic s	d, provide water volume rea. heet.	, include dimensions (L,	
Plan Approved by:	t will be land applied e land application ar ed 7.5' topographic s	d, provide water volume rea. heet.	, include dimensions (L,	
Maps(s) of road, location, pit a provided). If water from the pit (L, W), and area in acres, of the Photocopied section of involve Plan Approved by:	t will be land applied e land application ar ed 7.5' topographic s	d, provide water volume rea. heet.	, include dimensions (L,	
Maps(s) of road, location, pit a provided). If water from the pit (L, W), and area in acres, of the Photocopied section of involve Plan Approved by:	t will be land applied e land applied e land application ared 7.5' topographic s	l, provide water volume rea. heet.	, include dimensions (L,	

DEC 26 2017



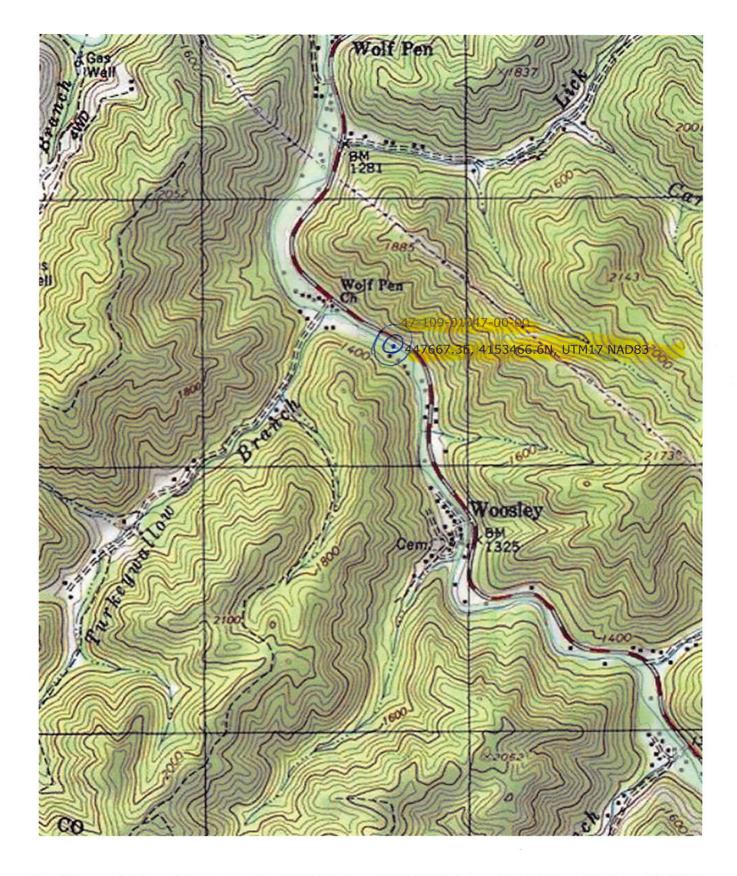
WB 10 47-109-01047

MK

RECEIVED Office of Oil and Gas

DEC 26 2017

WV Department of Environmental Protection



WW-7 8-30-06

Signature



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

API: 47-109-01047	WELL NO.: WB #10 (POC #5)
FARM NAME: POCAHONTAS LA	AND CORP.
RESPONSIBLE PARTY NAME: K. PET	ROLEUM, INC
COUNTY: WYOMING	
QUADRANGLE: PINEVILLE 7.5	
SURFACE OWNER: PINNACLE LA	
ROYALTY OWNER: PINNACLE LA	ND COMPANY
UTM GPS NORTHING: 4153466.6	
UTM GPS EASTING: 447667.3	GPS ELEVATION: 1297'
The Responsible Party named above has chosen preparing a new well location plat for a plugging above well. The Office of Oil and Gas will not at the following requirements: 1. Datum: NAD 1983, Zone: 17 North, Cheight above mean sea level (MSL) — 2. Accuracy to Datum — 3.05 meters 3. Data Collection Method: Survey grade GPS: Post Processed Difference of the processed of	permit or assigned API number on the eccept GPS coordinates that do not meet Coordinate Units: meters, Altitude: meters.
Real-Time Differen	tial
Mapping Grade GPS: Post Processed D	
Real-Time Diffe 4. Letter size copy of the topography i	The second secon
 Letter size copy of the topography is I the undersigned, hereby certify this data is corre- belief and shows all the information required by la prescribed by the Office of Oil and Gas. 	ect to the best of my knowledge and
PRES	IDENT 12/13/2017

Title

DEC 26 2017

RECEIVED

Office of Oil and Gas

Date