

west virginia department of environmental protection

Office of Oil and Gas 601 57<sup>th</sup> Street, S.E. Charleston, WV 25304 (304) 926-0450 fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary www.dep.wv.gov

Monday, March 29, 2021 WELL WORK PLUGGING PERMIT Vertical Plugging

ALLIANCE PETROLEUM CO., LLC 101 MCQUISTON DRIVE JACKSON CENTER, PA 16133

Re: Permit approval for ELKEM 8 47-019-00702-00-00

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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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

04/02/2021

Operator's Well Number: ELKEM 8 Farm Name: ELKEM METALS CO. U.S. WELL NUMBER: 47-019-00702-00-00 Vertical Plugging Date Issued: 3/29/2021

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</u> 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.
- 4. This well is under a consent order and must be plugged within two years of the date of issuance of this permit.

WW-4 Rev.	B 2/01	<b>4701900702</b> 1) Date January 11 2) Operator's Well No. 12954 3) API Well No. 47-019 - 00702
	DEPARTMENT OF ENVIR	ST VIRGINIA ONMENTAL PROTECTION DIL AND GAS
	APPLICATION FOR A PERM	IT TO PLUG AND ABANDON
4)	Well Type: Oil/ Gas X/ Liquid	injection/ Waste disposal/
	(If "Gas, Production $X$ or Und	erground storage) Deep/ Shallow X
5)	Location: Elevation 920 ft	Watershed Kanawha-River
		County Fayette Quadrangle Montgomery
6)	Well Operator Address Address P.O. Box 6070 Charleston, WV 25362	7)Designated Agent Jeff Mast Address P.O. Box 6070 Charleston, WV 25362
8)	Oil and Gas Inspector to be notified Name Gary Kennedy Address 66 Old Church Lane Pipestem, WV 25979	9) Plugging Contractor Name Diversified Production, LLC Address 1951 Pleasant View Ridge Road Ravenswood, WV 26164

10) Work Order: The work order for the manner of plugging this well is as follows:

### SEE ATTACHED

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector

Huy Kund

Date 1/15/21

#### PLUGGING PROGNOSIS

West Virginia, Fayette County API # 47-019-00702 38.1399227603897, -81.2634293657984 Nearest ER: Montgomery General Hospital 401 Sixth Ave, Montgomery, WV 25136

#### **Casing Schedule**

13 3/8" @ 44' 9 5/8" @ 80' 7" csg @ 1144' cemented to surface w/ 180 sks. 4 1/2" csg @ 2161' cemented w/ 115 sks est. TOC @ 940' TD 2248'

#### **Completion: Frac**

1st Stage: Weir (1964'-2110') 2nd Stage: Big Injun (1878'-1925') 3<sup>rd</sup> Stage: Big Lime (1808'-1827')

Fresh Water: 649' Saltwater: None Reported Coal: 767', 959' Gas Show: see completion Elevation: 921'

- 1. Notify inspector, Gary Kennedy 304-382-8402, 48 hrs. prior to commencing operations.
- 2. Record Pressures on csg.
- 3. Tag TD w/ wireline.
- 4. TIH w/ tbg to 2110'. Kill well as needed with 6% bentonite gel.
- Pump 402' Class A cement plug from 2110'-1708'(Weir, Injun, and Line completions)

   Tag TOC and top off as needed.
- 6. TOOH w/ tbg to 1708'. Load hole with 6% bentonite gel from: 1708'-1009'. TOOH LD tbg.
- Freepoint, cut, and pull 4 <sup>1</sup>/<sub>2</sub>" csg. Set 100' C1A cement plug across cut. Do not omit any plugs listed below. Perforate as needed.
- 8. TIH w/ tbg to 1009'. Pump 410' C1A cement plug from 1009'-599'. (Coal, elevation, and FW).
- 9. TOOH w/ tbg to 599'. Pump 6% bentonite gel from 599'-100'.
- 10. TOOH w/ tbg to 100'. Pump 100' C1A cement plug from 100'-0'. (Surface). TOOH LD tbg.
- 11. Erect monument with API#, date plugged, & company name.
- 12. Reclaim location and road to WV-DEP specifications.

41/2 CASING CUT SHOULD DE INFIDE CASING

Adt

WR-35       06-Apr-92 API # 47-19-C0702         Reviewed
Reviewed
Recorded       DEPARTMENT OF ENERGY Division of Oil and Gas         Well Operator's Report of Well Work         Farm name: ELKEM NETALS CO.       Operator Well No.: ELKEM #8 (B66)         LCCATION:       Elevation: 920.79       Quadrangle: MONTGOMERY         District: VALLEY Latitude: 9710       Feet South of 38 Deg. 10Min. 0 Sec.         Longitude 3960       Feet West of 81 Deg. 15 Min. 0 Sec.         Company:BOWIE, INC.       132 WALDECK STREET CLARKSBURG, WV         Agent:       WILLIAM H. BOWIE         Inspector:       04/06/92 Well work Completed:         Verbal Plugging Permission granted on: Rotary X.       Casing OS/04/92       Used in Left         Verbal Dlugging Permission granted on: Rotary X.       Casing OS/04/92       Y         Y       1144'       1144'         180 sks
Well Operator's Report of Well Work         Farm name: ELKEM METALS CO.       Operator Well No.: ELKEM #8 (B66)         LCCATION: Elevation: 920.79       Quadrangle: MONTGOMERY         District: VALLEY       County: .FAYETRE         Latitude: 9710       Feet South of 38 Deg. 10 Min. 0 Sec.         Longitude 3960       Feet West of 81 Deg. 15 Min. 0 Sec.         Company: BOWIE, INC.       132 WALDECK STREET         L32 WALDECK STREET       Casing Used in Left Cement         CLARKSBURG, WV       Casing Used in Well (Cu. Fi         Agent: WILLIAM H. BOWIE       Size         Inspector: STEVE CASEY       95/8" 44'         Permission granted on:       05/04/92         Well work Completed: 05/04/92       13 3/8" 44'         Yerbal Plugging       80'         Permission granted on:       Rig         Total Depth (feet) 2228'       7" 1144' 1144' 180 sks
Farm name: ELKEM METALS CO.       Operator Well No.: ELKEM #8 (B66)         LCCATION:       Elevation: 920.79       Quadrangle: MONTGOMERY         District: VALLEY       County: FAYETRE.         Latitude: 9710       Feet South of 38 Deg. 10 Min. 0 Sec.         Longitude 3960       Feet West of 81 Deg. 15 Min. 0 Sec.         Company: BOWIE, INC.       132 WALDECK STREET         CLARKSBURG, WV       Casing Used in Left Cement Fill t         Agent:       WILLIAM H. BOWIE         Inspector:       STEVE CASEY         Permit Issued:       04/06/92         Well work Completed:       05/04/92         Verbal Plugging       Fermission granted on:         Rotary X       Cable         Rotary X       Cable         Rotary X       Cable         Fresh water depths (ftt)       649'
LCCATION:       Elevation: 920.79       Quadrangle: MONTGOMERY         District:       VALLEY       County: FAYETNE.         Latitude:       9710       Feet South of 38 Deg. 10 Min. 0 Sec.         Longitude 3960       Feet West of 81 DEg. 15 Min. 0 Sec.         Company:BOWIE, INC.       132 WALDECK STREET         CLARKSBURG, WV       Casing Used in Left Cement         Agent:       WILLIAM H. BOWIE         Inspector:       STEVE CASEY         Permit Issued:       04/06/92         Well work Completed:       05/04/92         Well work Completed:       05/04/92         Verbal Plugging       Rig         Permission granted on:       Rig         Total Depth (feet)       2248'         Fresh water depths (ft)       649'
District: VALLEY Latitude: 9710 Longitude 3960 Feet South of 38 Deg. 10 Min. 0 Sec. Company: BOWIE, INC. 132 WALDECK STREET CLARKSBURG, WV Agent: WILLIAM H. BOWIE Inspector: STEVE CASEY Permit Issued: 04/06/92 Well work ComL2nced: 04/27/92 Well work ComL2nced: 05/04/92 Verbal Plugging Permission granted on: Rotary X. CableRig Total Depth (feet) 2248' Fresh water depths (ft)
Latitude: 9710 Feet South of 38 Deg. 10 Min. 0 Sec. Longitude 3960 Feet West of 81 Dig. 15 Min. 0 Sec. Company: BOWIE, INC. 132 WALDECK STREET CLARKSBURG, WV Agent: WILLIAM H. BOWIE Inspector: STEVE CASEY Permit Issued: 04/06/92 Well work Completed: 04/27/92 Well work Completed: 05/04/92 Verbal Plugging Permission granted on: Rotary X. Cable Rig Total Depth (feet) 2248' Fresh water depths (ft) 649'
Longitude 3960       Feet West of 81 Drg. 15 Min. 0 Sec.         Company:BOWIE, INC.       132 WALDECK STREET         LARKSBURG, WV       Casing       Used in       Left         Agent: WILLIAM H. BOWIE       Casing       Drilling       in Well (Cu. Fi         Inspector: STEVE CASEY       Permit Issued:       04/06/92       Size          Well work Commanded:       04/27/92            Well work Completed:       05/04/92            Verbal Plugging       Permission granted on:       Rig       80'       80'          Rotary X       Cable       Rig       7"       1144'       1144'       180 sks
132 WALDECK STREET         CLARKSBURG, WV         Agent: WILLIAM H. BOWIE         Inspector: STEVE CASEY         Permit Issued:       04/06/92         Well work Com120nced:       04/27/92         Well work Completed:       05/04/92         Verbal Plugging       .9 5/8"         Permission granted on:       Rig         Total Depth (feet)       2248'         Fresh water depths (ftt)       649'
CLARKSBURG, WV       &       Fill t         Agent: WILLIAM H. BOWIE       Tubing       Drilling       in Well Cu. Ft         Inspector: STEVE CASEY       Permit Issued:       04/06/92       Size       13 3/8"       44"
Agent: WILLIAM H. BOWIE         Inspector: STEVE CASEY         Permit Issued:       04/06/92         Well work Commented:       04/27/92         Well work Completed:       05/04/92         Verbal Plugging       95/8"         Permission granted on:       Rig         Rotary X       Cable         Rig       7"         Total Depth (feet)       2248'         Fresh water depths (ftt)       649'
Inspector: STEVE CASEY Permit Issued: 04/06/92 Well work Commenced: 04/27/92 Well work Completed: 05/04/92 Verbal Plugging Permission granted on: Rotary X Cable Rig Total Depth (feet) 2248' Fresh water depths (ft) 649'
Permit Issued: $04/06/92$ Well work Comfainced: $04/27/92$ Well work Completed: $05/04/92$ Verbal Plugging $05/04/92$ Permission granted on: $80'$ Rotary XCableCableRigTotal Depth (feet) $2248'$ Fresh water depths (ft) $649'$
Well work Comfainced:       04/2//92         Well work Completed:       05/04/92         Verbal Plugging       .9 5/8"         Permission granted on:          Rotary X       Cable         Total Depth (feet)          Fresh water depths (ftt)
Verbal Plugging       .9 5/8"       80'       80'          Permission granted on:               Rotary x       Cable       Rig              Total Depth (feet)               Fresh water depths (ft)
Rotary X     Cable     Rig       Total Depth (feet)     2248'     7"     1144'     180 sks       Fresh water depths (ft)     649'     1144'     1144'     180 sks
Total Depth (feet)     2248'     7"     1144'     180 sks       Fresh water depths (ft)     649'     1     1     1
Salt water depths $(\pm\pm)$ 115 ake
Is coal being mined in area. (Y/N)?N Coal Depths (ft): <u>767-77,959-62</u>
OPEN FLOW DATA
Producing formation_Big Lime, Injun, Weir Pay zone depth (ft)1807-2110
Gas: Initial open flow Show MCF/d Oil: Initial open flow N/A BD; Final open flow 713 MCF/d Final open flow N/A Bb;
Time of open flow between initial and final tests 8 How
Static rock Pressure 525 psig (surface pressure) after 50 Hou
Second producing formation Pay zone depth (ft) Gas: Initial open flow MCF/d Oil: Initial open flow Bb
Gas: Initial open flow MCF/d Oil: Initial open flow Bb. Final open flow MCF/d Final open flow Bb:
Time of open flow between initial and final tests Hou
Static rock Pressurepsig (surface pressure) afterHou
NOTE: (ON)BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORA! INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WI
LOG WHICH SIS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATION
INCLUDING COAL ENCOUNTERED BY THE WELLBORE.
RECEIVED
Office of Oil & Gas For: BOWIE, INC. Office of Oil and Gas
Mil 0 3 92 By: UT Deute JAN 1 4 REC'D
WV Division of Environmental Protection
Environmental Protection Environmental Protection 04/02/2

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Stage I (1964-2110) 19 holes, 500 gal 15% HCL, 500 sks sand, 97,000 SCF N<sub>2</sub>,469 BBL H Stage II (1878-1925) 9 holes, 500 gal 15% HCL, 2000 gal 28% HCL, 24,000 SCF N<sub>2</sub> Stage III (1808-1827) 10 holes, 500 gal 15% HCL, 2000 gal 28% HCL, 20,000 SCF N<sub>2</sub>

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WELL LOG

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FORMITION COLOR HARD OR SOFT	TOP FEET	BOITOM FEEL	REMARKS Including indication of all and salt water, coal, oil an
Fill Sand & Shale Sand Sand & Shale Sand Coal Sand & Shale Sand Coal Sand Sand & Shale Ravencliff Shale Maxton Little Lime Shale Big Lime Big Injun Shale Weir Shale	0 80 372 519 567 767 777 860 959 962 1092 1283 1311 1500 1545 1617 1664 1915 1950 2010 2120	80 372 519 567 767 	Damp @ 649' Gas Show Gas Show Gas Show

RECEIVED Office of Oil & Gas Permitting /13; 6:66 WV. Division of Environmental Brutectivity Office of Oil and Gas

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(Attach separate sheots as nacessary)

WV Department of Environmerate (Protection1

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26/5/

		47019007
WW-4A Revised 6-07		1) Date: January 11, 2021 2) Operator's Well Number 12954
		3) API Well No.: 47 - 019 - 00702
DE	EPARTMENT OF ENVIRO	ONMENTAL PROTECTION, OFFICE OF OIL AND GAS LICATION TO PLUG AND ABANDON A WELL
4) Surface Ow	ner(s) to be served:	5) (a) Coal Operator
4) Surface Ow (a) Name		
,	ner(s) to be served:	5) (a) Coal Operator
(a) Name Address	ner(s) to be served: 	5) (a) Coal Operator Name Address
(a) Name Address (b) Name	ner(s) to be served: WV Environmental, Inc. P.O. Box 266	5) (a) Coal Operator Name Address (b) Coal Owner(s) with Declaration
(a) Name Address	ner(s) to be served: WV Environmental, Inc. P.O. Box 266	5) (a) Coal Operator Name Address (b) Coal Owner(s) with Declaration Name Elkem Metals Co.
(a) Name Address (b) Name	ner(s) to be served: WV Environmental, Inc. P.O. Box 266	5) (a) Coal Operator Name Address (b) Coal Owner(s) with Declaration Name Elkem Metals Co. Address RR 60 Box East
(a) Name Address (b) Name Address	ner(s) to be served: WV Environmental, Inc. P.O. Box 266	5) (a) Coal Operator Name Address (b) Coal Owner(s) with Declaration Name Elkem Metals Co. Address RR 60 Box East Alloy, WV 25002
<ul> <li>(a) Name Address</li> <li>(b) Name Address</li> <li>(c) Name</li> </ul>	ner(s) to be served: WV Environmental, Inc. P.O. Box 266	5) (a) Coal Operator Name Address (b) Coal Owner(s) with Declaration Name Elkem Metals Co. Address RR 60 Box East Alloy, WV 25002 Name
(a) Name Address (b) Name Address	ner(s) to be served: WV Environmental, Inc. P.O. Box 266	5) (a) Coal Operator Name Address (b) Coal Owner(s) with Declaration Name Elkem Metals Co. Address RR 60 Box East Alloy, WV 25002
<ul> <li>(a) Name Address</li> <li>(b) Name Address</li> <li>(c) Name Address</li> </ul>	ner(s) to be served: WV Environmental, Inc. P.O. Box 266	5) (a) Coal Operator Name Address (b) Coal Owner(s) with Declaration Name Elkem Metals Co. Address RR 60 Box East Alloy, WV 25002 Name
<ul> <li>(a) Name Address</li> <li>(b) Name Address</li> <li>(c) Name Address</li> </ul>	ner(s) to be served: WV Environmental, Inc. P.O. Box 266 Alloy, WV 25002	5) (a) Coal Operator Name Address (b) Coal Owner(s) with Declaration Name Elkem Metals Co. Address RR 60 Box East Alloy, WV 25002 Name Address
<ul> <li>(a) Name Address</li> <li>(b) Name Address</li> <li>(c) Name Address</li> <li>6) Inspector</li> </ul>	ner(s) to be served: WV Environmental, Inc. P.O. Box 266 Alloy, WV 25002 Gary Kennedy	5) (a) Coal Operator Name Address (b) Coal Owner(s) with Declaration Name Elkem Metals Co. Address RR 60 Box East Alloy, WV 25002 Name Address (c) Coal Lessee with Declaration

(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.

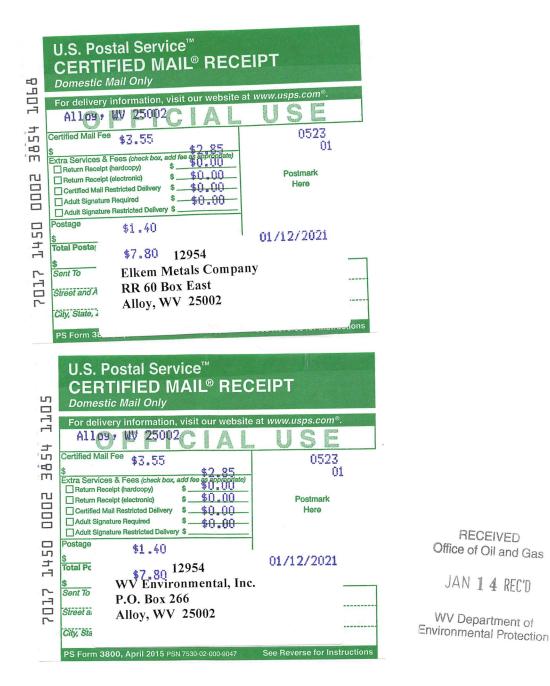
Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental 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.

OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA Phyllis A. Copley 144 Willard Circle Hurricane, WV 25526 My Commission Expires September 16, 2023	Well Operator By: Its: Address Telephone	Alliance Petroleum Company, LLC. Jeff Mast Director/Production P.O. Box 6070 Charleston, WV 25362 304-543-6988	RECEIVED Office of Oil and Gas JAN 1 4 RECTD
Subscribed and sworn before me this	yllis a. Co	ay of <u>January</u> , 2021	WV Department of
My Commission Expires September 1		pluy Notary Public	Environmental Protection

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. Our 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 <u>depprivacyoffier@wv.gov</u>.

4701900702P Well 12954 API 47-019-00702





**Operator's Well** Number

PURSLEY DENA KEM-298 (47-035-01827)

#### **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:

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

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.

Comments must be in writing. 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. Office of Oil and Gas

#### **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.

WV Department

I further state that I have no objection to the planned work described in these material from veono objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

ETC. Mady A Wate Date 1-4-21 Name

FOR EXECUTION BY A CORPORATION,

By Its

Date

Signature



# 47019007029

	Number 47 - 019 _ 00702
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PR OFFICE OF OIL AND GAS FLUIDS/ CUTTINGS DISPOSAL & RECLAMA	
Operator Name_Alliance Petroleum Company, LLC	DP Code 494506333
Watershed (HUC 10) Kanawha River Quadrangle Mo	ntgomery
Do you anticipate using more than 5,000 bbls of water to complete the proposed well Will a pit be used? Yes No	work? Yes No 🗸
If so, please describe anticipated pit waste: Plugging returns/cement - will Will a synthetic liner be used in the pit? Yes No If so	what ml.?
Proposed Disposal Method For Treated Pit Wastes:	
Land Application (if selected provide a completed form W Underground Injection (UIC Permit Number Reuse (at API Number Off Site Disposal (Supply form WW-9 for disposal locati Other (Explain Any fluid recovered will be hauled to a Diver	) ) ))
Will closed loop systembe used? If so, describe:	-
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater,	oil based, etc.
-If oil based, what type? Synthetic, petroleum, etc	
Additives to be used in drilling medium?	
Drill cuttings disposal method? Leave in pit, landfill, removed offisite, etc	
-If left in pit and plan to solidify what medium will be used? (cement, lime,	sawdust)
-Landfill or offsite name/permit number?	
Permittee shall provide written notice to the Office of Oil and Gas of any load of dril West Virginia solid waste facility. The notice shall be provided within 24 hours of re where it was properly disposed.	jection and the permittee shall also disclose
I certify that I understand and agree to the terms and conditions of the GEN on April 1, 2016, by the Office of Oil and Gas 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 1 application form and all attachments thereto and that, based on my inquiry of those in the information, I believe that the information is true, accurate, and complete. I a	Environmental Protection. I understand that the of the general permit and/or other applicable law amiliar with the information submitted on this adividuals immediately responsible for obtaining
submitting false information, including the possibility of fine or imprisonment.	OFFICIAL SEAL NOTARY FUELIC STATE OF WEST VIRGINEA
Company Official Signature Company Official (Typed Name) Jeff Mast	Phyllis A. Copley 144 Willard Circle
Company Official Title Director Production	My Commission Expires September 18, 2023 a
Subscribed and sworn before me this 11th day of January Phylus a. Apply	, 20 <u>21</u> Notary Public
My commission expires: September 16, 2023	

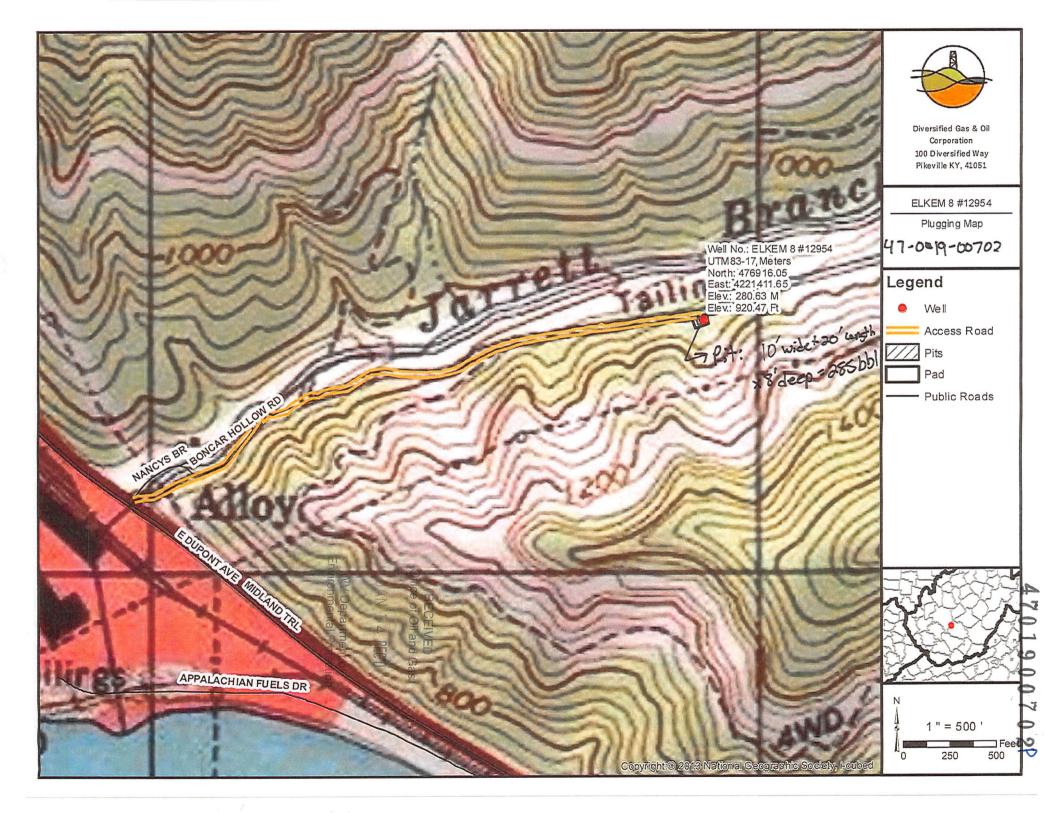
	ment: Acres Disturbed Tons/acre or to correc		
Fertilizer type	10-20-20 or equivalent		
Fertilizer amount	-	lbs/acre	
Mulch 2		Tons/acre	
		Seed Mixtures	
Т	emporary	Perm	anent
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike	5	Alsike Clover	5
Annual Rye	15		

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Hung Kunned	
Comments:	
Title: Juspector	Date: 1/15/21
Field Reviewed?	) No



WW-7 8-30-06		
West Virginia Department of Office of Oil WELL LOCATIO	and Gas	rotection
<sub>API:</sub> <u>47-019-00702</u>		54
FARM NAME: Elkem Metals Cor		
RESPONSIBLE PARTY NAME: Alliance	e Petroleum Co	o., LLC
		У
QUADRANGLE: Montgomery		
SURFACE OWNER: WV Environm	ental Inc.	
ROYALTY OWNER: Elkem Metals		
UTM GPS NORTHING: 4,221,411.6	5	
170 010 05		0001
UTM GPS EASTING: 476,916.05	GPS ELEVATION	.: <u>920'</u>
UTM GPS EASTING: 476,916.05 The Responsible Party named above has chosen preparing a new well location plat for a pluggin above well. The Office of Oil and Gas will not the following requirements: 1. Datum: NAD 1983, Zone: 17 North, height above mean sea level (MSL) 2. Accuracy to Datum – 3.05 meters 3. Data Collection Method: Survey grade GPS: Post Processed Direction	n to submit GPS coordinate g permit or assigned API accept GPS coordinates th , Coordinate Units: meters – meters.	es in lieu of number on the at do not meet , Altitude: RECEIVED Office of Oil and Gas
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