

03/10/2023



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

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

Tuesday, March 7, 2023

WELL WORK PLUGGING PERMIT
Vertical Plugging

HG ENERGY II APPALACHIA, LLC
5260 DUPONT ROAD

PARKERSBURG, WV 26101

Re: Permit approval for 8517
47-033-00079-00-00

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

A handwritten signature in blue ink, appearing to read 'James A. Martin', is written over a white background.

Operator's Well Number: 8517
Farm Name: GRIBBLE, C. S.
U.S. WELL NUMBER: 47-033-00079-00-00
Vertical Plugging
Date Issued: 03/07/2023

Promoting a healthy environment.

PAGE 1

GPS YES NO

DATE STARTED/LOCATION: API #: WELL NO.

DRILLING COMMENCED: OPERATOR:

TD DATE: DEPTH: FARM:

WATER DEPTHS COAL DEPTHS

QUESTIONS FOR THIS REPORT ARE IN ACCORDANCE OF WV CODE 22-6-30 AND REGULATIONS 35CSR 4-12.1 AND 35CSR 4-16 AND THE GENERAL WATER POLLUTION CONTROL PERMIT

POINTS ARE TO BE GIVEN UP TO MAXIMUM AS SHOWN BASED ON PERFORMANCE.

1. DID OPERATOR GIVE PROPER NOTICE TO INSPECTOR BEFORE THE FOLLOWING:
- A. CONSTRUCTION YES NO (2_PTS) B. DRILLING YES NO (2_PTS) (4 PTS) _____
 - 2. WAS THE TIMBER CUT, STACKED, AND BRUSH USED FOR SEDIMENT BARRIERS BEFORE DIRT WORK STARTED? YES NO (4_PTS) (4 PTS) _____
 - 3. ARE ALL LOCATION AND/OR ROAD BANKS BEING SLOPED? YES NO (4_PTS) (4 PTS) _____
 - 4. CONSTRUCTION: WERE THE FOLLOWING SEDIMENT CONTROL STRUCTURES PROPERLY INSTALLED/MAINTAINED?
 - A. ROAD DITCHES (1)_ (2)_ (3)_ (4)_ (PTS) B. CROSS DRAINS (1)_ (2)_ (3)_ (4)_ (5)_ (PTS)
 - C. CULVERTS (1)_ (2)_ (3)_ (4)_ (5)_ (PTS) D. CREEK CROSSINGS (1)_ (2)_ (3)_ (PTS)
 - E. DIVERSION DITCHES (1)_ (2)_ (3)_ (PTS) F. BARRIERS (1)_ (2)_ (3)_ (PTS)
 - G. TEMPORARY SEEDING YES NO (10_PTS) POINTS AVAILABLE FOR QUESTION 4: (33 PTS) _____ - 5. HAS TOP SOIL (IF ANY) BEEN STOCKED PILED? YES NO (2_PTS) (2 PTS) _____
 - 6. IS THE PIT PROPERLY INSTALLED AND MAINTAINED? YES NO (9_PTS) (9 PTS) _____
 - 7. RECLAMATION:
 - A. ROADWAY (1)_ (2)_ (3)_ (PTS) B. LOCATION (1)_ (2)_ (3)_ (PTS)
 - C. PITS (1)_ (2)_ (3)_ (PTS) D. PIPELINES (1)_ (2)_ (3)_ (PTS)
 - E. TANK DIKES (1)_ (2)_ (3)_ (PTS) F. API INSTALLED YES OR NO 3_PTS)
 - G. ADEQUATE SEEDING MATERIALS (1)_ (2)_ (3)_ (PTS)
 - H. WAS SEED BED ADEQUATE (1)_ (2)_ (3)_ (PTS) POINTS AVAILABLE FOR QUESTION 7: (24 PTS) _____ - 8. WAS RECLAMATION COMPLETED WITHIN:
 - MTHS OF TD 6_PTS ONLY; MTHS OF TD 12_PTS ONLY; 2 MTHS OF TD 19_PTS ONLY.
 - MAXIMUM POINTS AVAILABLE FOR QUESTION 8: (19 PTS) _____

TOTAL MAXIMUM POSSIBLE SCORE OF 99.

TOTAL RECLAMATION SCORE: _____

INSPECTIONS :

DATE RELEASED

INSPECTOR

I

4703/30/2023 9P

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.

WW-4B
Rev. 2/01

- 1) Date January 18, 2023
- 2) Operator's
Well No. CS Gribble 8517
- 3) API Well No. 47-033 - 00079

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

- 4) Well Type: Oil / Gas / Liquid injection / Waste disposal
(If "Gas, Production or Underground storage) Deep / Shallow
- 5) Location: Elevation 1113 Watershed Lost Creek
District Grant County Harrison Quadrangle Mt Clare
- 6) Well Operator HG Energy II Appalachia, LLC 7) Designated Agent Diane White
Address 5260 Dupont Road Address 5260 Dupont Road
Parkersburg, WV 26101 Parkersburg, WV 26101
- 8) Oil and Gas Inspector to be notified Name Kenneth Greynolds
Address 613 Broad Run Road
Jane Lew, WV 26378
- 9) Plugging Contractor Name To Be Determined Upon Approval of Permit
Address _____

10) Work Order: The work order for the manner of plugging this well is as follows:
THIS PREVIOUSLY PLUGGED WELL IS TO BE REPLUGGED IN PREPARATION TO DEVELOPE AN HGA PAD FOR HORIZONTAL MARCELLUS WELLS.

** See Attached Plugging Manners **

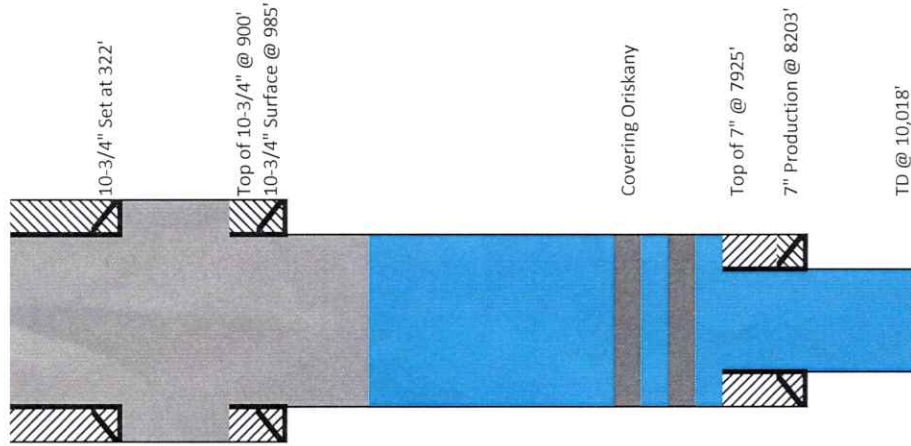
RECEIVED
Office of Oil and Gas
JAN 26 2023
WV Department of
Environmental Protection

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

Work order approved by inspector Kenneth Greynolds Digitally signed by Kenneth Greynolds
CN = Kenneth Greynolds email = Kenneth.L.Greynolds@wv.gov C = AD.O = WVDEPOU = Oil and Gas
Date: 2023.01.23.12:26:37 -0500 Date _____

API No 47-033-0079
 Farm C.S. Gribble
 Well # 8517
 County Harrison
 TD: 10,018
 Elevation: 1115
 Water: None Per Well Record
 Coal: None Per Well Record
 Casing: 10-3/4"; 0-322'
 10-3/4"; 900' - 985'
 7"; - 7925' - 8203'

Cement Plug #3 0-1900



Cement Plug #2 7240-7270

Cement Plug #1 7400-7500

PROPOSED WELLBORE

Cement Plug #8 0-300

Cement Plug #7 300-1100

Cement Plug #6 1100-1900
 1100

6% Bentonite Gel

Cement Plug #5 3800-4040

Cement Plug #4 4040-4840

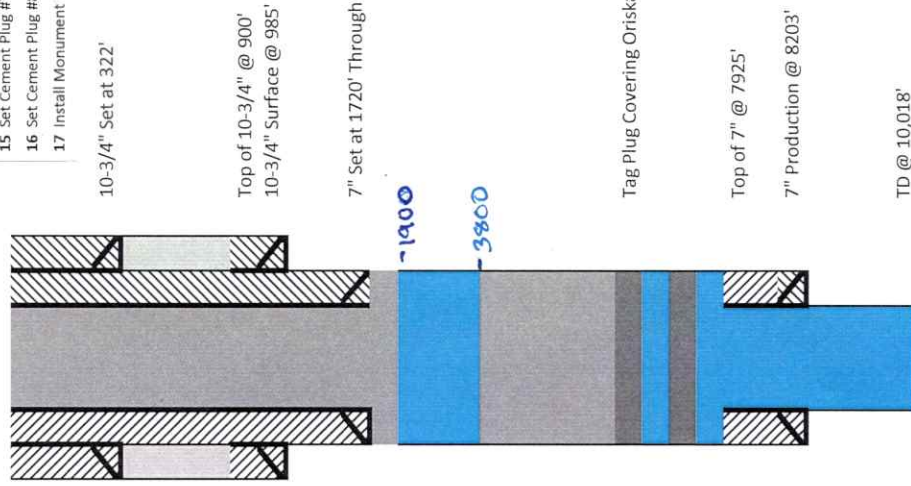
Cement Plug #3 4840-5640

Cement Plug #2 5640-6440

Cement Plug #1 6440-7240

Existing Cement Plug 7240-7270

Existing Cement Plug 7400-7500



10-3/4" Set at 322'

Top of 10-3/4" @ 900'
 10-3/4" Surface @ 985'

7" Set at 1720' Through Gantz Cemented to surface

Tag Plug Covering Oriskany

Top of 7" @ 7925'

7" Production @ 8203'

TD @ 10,018'

PLUGGING
 PROCEDURE

1. Clean out to 1750' (Through Gantz)
2. Set 7" Intermediate @ 1720' (Thru Gantz) and CIS
3. Clean out and tag plug @ 7240'
4. Establish Circulation w/ FW, Load Hole w/ FW
5. Set Cement Plug #1 (Balanced Plug), TOOH
6. Tag TOC
7. Set Cement Plug #2 (Balanced Plug)
8. Set Cement Plug #3 (Balanced Plug), TOOH
9. Tag TOC
10. Set Cement Plug #4 (Balanced Plug)
11. Set Cement Plug #5 (Balanced Plug), TOOH
12. Tag TOC
13. Set Cement Plug #6 (Balanced Plug), TOOH
14. Tag TOC
15. Set Cement Plug #7 (Balanced Plug)
16. Set Cement Plug #8 (Balanced Plug)
17. Install Monument

470 0310/2023 9 P

RECEIVED
 Office of Oil and Gas

JAN 26 2023

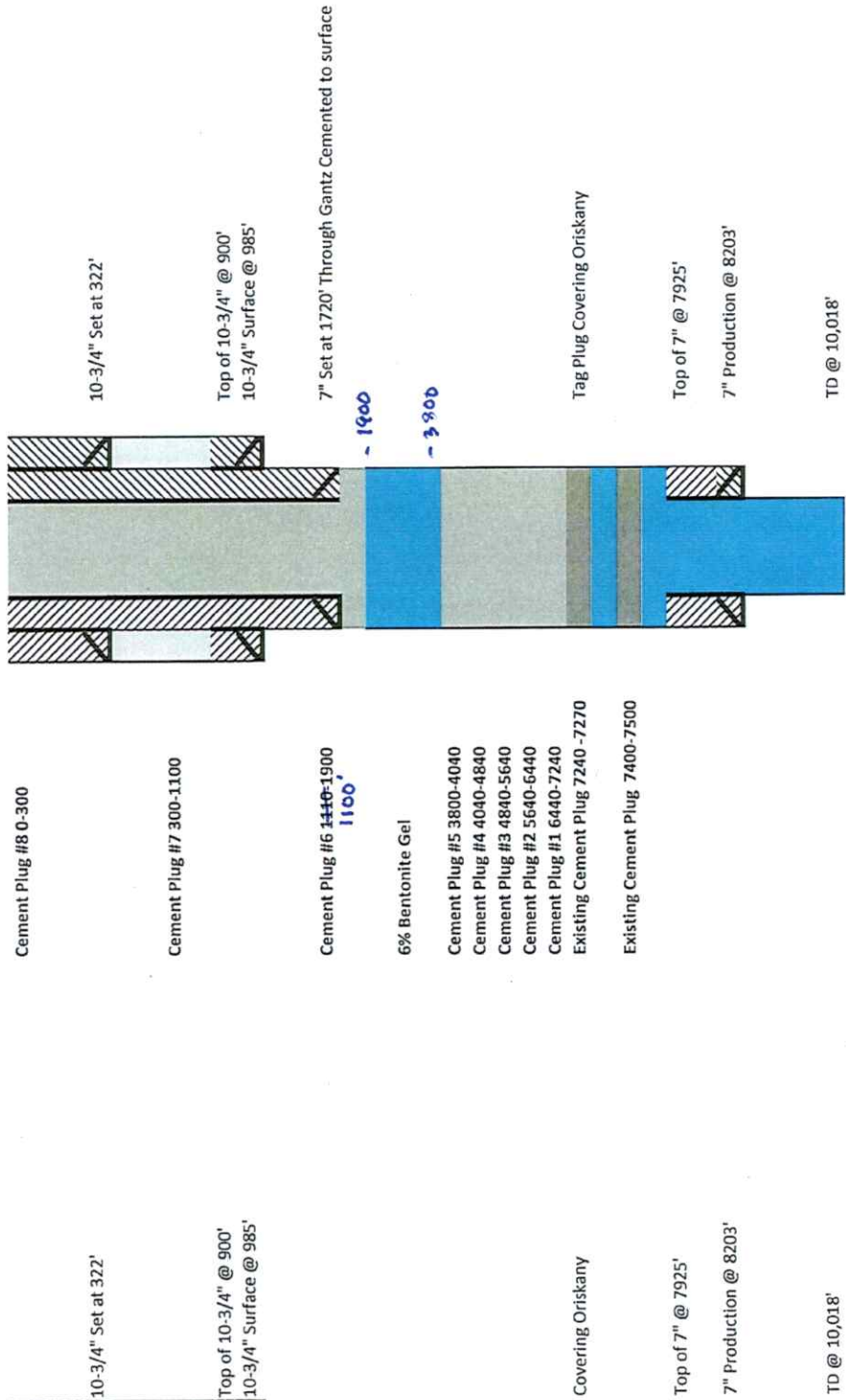
Department of
 Environmental Protection

Kenneth Greynolds

PLUGGING PROCEDURE

1. Clean out to 1750' (Through Gantz)
2. Set 7" Intermediate @ 1720' (Thru Gantz) and CIS
3. Clean out and tag plug @ 7240'
4. Establish Circulation w/ FW, Load Hole w/ FW
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9. Tag TOC
10. Set Cement Plug #4 (Balanced Plug)
11. Set Cement Plug #5 (Balanced Plug), TOOH
12. Tag TOC
13. Set Cement Plug #6 (Balanced Plug), TOOH
14. Tag TOC
15. Set Cement Plug #7 (Balanced Plug)
16. Set Cement Plug #8 (Balanced Plug)
17. Install Monument

PROPOSED WELLBORE



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WV Department of
Environmental Protection

4703300079P

RECEIVED

03/10/2023

FEB 5 1974 C. NOLL

FORM 00-2

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION

OIL & GAS DIVISION DEPT. OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE. ONE COPY MAILED TO THE DEPARTMENT. ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

Form fields for Coal Operator (No Operations, No Coal), Well Operator (Consolidated Gas Supply Corporation), Lease of Property Owner (June Romine Ladwig), and Well Location (Grant, Harrison County, Well No. CW-540).

STATE INSPECTOR SUPERVISING PLUGGING Wm. Blosser

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Harrison

} ss:

Mike J. Palios and Frank J. Whyte being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Consolidated Gas Supply Corporation well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 25th day of February, 1973, and that the well was plugged and filled in the following manner:

Table with columns: SAND OR ZONE RECORD, FILLING MATERIAL, FLUGS USED, CASING. Row 1: Cemented solid to surface with 1500 bags cement, 10" size & kind, None CBB pulled, 322' CBB left in. Description of monument: Regular 6" pipe marker properly installed & inscribed.

and that the work of plugging and filling said well was completed on the 25th day of February, 1973

And further deponents saith not.

Sworn to and subscribed before me this 4 day of February, 1974

My commission expires: March 13 1980

Signatures of Frank J. Whyte, Mike J. Palios, and Notary Public Walter L. White.

Notary Public. Permit No. HAR-79-PED - P C. NOLL

4703300070 P
03/10/2023

PROPOSED MANNER OF PLUGGING AND FILLING WELL

(REQUIRED BY RULES AND REGULATIONS)

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

WORK ORDER

Well to be plugged and filled as follows:

- Well redrilled from surface to 1820'
- Cement solid from 1820' to surface
- Erect Marker over hole.

To the Department of Mines
Coal Owner or Operator,
Lease or Property Owner.

IF PARTIAL PLUGGING
PLEASE SUBMIT REVISED WELL RECORD
WHEN WORK IS COMPLETED.

Gentlemen:

This "work order" is submitted for your approval and concurrence and unless notified of your disapproval or non-concurrence, the undersigned will proceed with the plugging and filling of said well in the above described manner on the date inspector is notified after permit is issued.

Very truly yours,

Paul Bayne

Manager of Prod.
Well Operator

CONSOLIDATED GAS SUPPLY CORPORATION

No objections have been filed by the coal owner or coal operator, or any available adjacent lease or property owners or interposed by the Department of Mines to the manner herein described for the plugging and filling of the well above mentioned. Therefore, the same is hereby approved this

2nd day of March, 1923

DEPARTMENT OF MINES
Oil and Gas Division

By: *Robert H. Fonda*

NOTE: This "work order" shall be filed in triplicate, one copy for the files of the Department of Mines; one to be approved or corrected and returned to the well operator as his authority for plugging said well; and one for the well inspector.

4703300079P 03/10/2023

PDAM 00-8

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

No coal.

COAL OPERATOR OR OWNER: _____
ADDRESS: _____

COAL OPERATOR OR OWNER: _____
ADDRESS: _____

LEASE OR PROPERTY OWNER: _____
ADDRESS: _____

Hope Natural Gas Company
NAME OF WELL OPERATOR
Clarksburg, W. Va.
COMPLETE ADDRESS
May 13, 1941
WELL AND LOCATION
Grant District
Harrison County
Well No. 8517
C. S. Gribble Farm

STATE INSPECTOR SUPERVISING PLUGGING: _____

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Harrison } SS:

J. C. Hunter and Wm. W. Mayfield
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Hope Natural Gas Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 1st day of May, 1941, and that the well was plugged and filled in the following manner:

SAND OR ZONE RECORD FORMATION	FILLING MATERIAL			PLUGS USED	CASING	
	CONTENT	FROM	TO	SIZE & KIND	CSG PULLED	CSG LEFT IN
Hole filled with drilling mud to 7300' - Cement from 7500' to 7400'						
Filled with drilling mud from 7400' to 7270' - 20' above Oriskany Sand,						
Cement from 7270' to 7240' and removed 7925' - 7" casing, leaving in hole						
278'. Filled with drilling mud from 7240' to 1760' - cemented from 1760'						
to 1740'. Filled with drilling mud from 1740' to 1618' and cemented from						
1618' to 1598', filled with drilling mud to 1525' and cemented to 1505'.						
Filled with drilling mud from 1505' to 1005' and cemented to 995'.						
Removed 900 feet 10-3/4" casing leaving 85 feet in hole. Filled with						
drilling mud to 450' - Cement from 450' to 440'. Filled with mud mixture						
from 440' to 10' - Cemented from 10' to the surface.						
COAL SEAMS					DESCRIPTION OF MONUMENT	
(NAME)					8"x8"-60" - extending 30" above	
(NAME) <u>None</u>					surface with inscription H N G Co.	
(NAME)					Well No. 8517.	
(NAME)						

and that the work of plugging and filling said well was completed on the 6th day of May,



And further deponents saith not.

Subscribed before me this 14 day of May, 1941

J. C. Hunter
Wm. W. Mayfield
E. Vernon Smith
Notary Public.

PERMIT No. HAR-79-P

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

03/10/2023
4703300079

WELL RECORD

Permit No. HAR-79

Oil or Gas Well Dry Hole
(R/W/D)

Company <u>Hope Natural Gas Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Clarksburg, W. Va.</u>				
Farmer <u>C. S. Gribble</u> Acres <u>142-7/8</u>	Size			
Location (waters)	16			Kind of Packer
Well No. <u>8517</u> Elev. <u>1113</u>	13			
District <u>Grant</u> County <u>Harrison</u>	10	<u>985</u>	<u>985</u>	Size of
The surface of tract is owned in fee by	8 1/2 <u>7"</u>	<u>8203</u>	<u>8203</u>	Depth set
Mineral rights are owned by	6 1/2			
Drilling commenced <u>July 4, 1940</u>	5 3/16			Perf. top
Drilling completed <u>Drilling completed April 10, 1941</u>	3			Perf. bottom
Date shot <u>April 30, 1941</u> Depth of shot <u>7290-7370</u>	2			Perf. top
Open Flow <u> </u> /10ths Water in <u> </u> Inch	Liners Used			Perf. bottom
<u> </u> /10ths Merc. in <u> </u> Inch				
Volume <u> </u> Cu. Ft.	CASING CEMENTED	SIZE	No. Ft.	Date
Rock Pressure <u> </u> lbs. <u> </u> hrs.				
Oil <u> </u> bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT <u>No coal</u> FEET			INCHES
Fresh water <u>None recorded</u> feet	FEET	INCHES	FEET	INCHES
Salt water <u>None recorded</u> feet	FEET	INCHES	FEET	INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand, gray to brown			173	205			
Shale; gray to green, sandy			205	330			
Shale, green			330	385			
Sand, gray			385	430			
Lime; brown			430	440			
Sand, shaly, (contaminated sampler)			440	595			
Sand, very fine, gray			595	660			
Sand and shale, gray			660	670			
Shale; gray to brown			670	705			
Sand, brown			705	715			
Shale; brown			715	740			
Sand; gray			740	770			
Shale; red and green, sandy			770	830			
Sand, brown <u>MAXON</u>			830	840			
Shale; brown to red			840	865			
Sand; brown			865	870			
Shale; red to green			870	985			
Shale, gray, limey			985	1113			
Limestone, brown; <u>LITTLE LIME</u>			1113	1123			
Shale, sandy, gray; <u>PENCIL CAVE</u>			1123	1136			
Limestone, brown; <u>TOP BIG LIME</u>			1136	1150			
Shale, gray, limey			1150	1154			
Limestone, gray to brown			1154	1203			
Shale, dark brown, limey			1203	1209			
Limestone; brown and gray			1209	1238			
Sandstone; gray; limey			1238	1243			
Limestone, white			1243	1264			
Sand; gray, fine			1264	1268			
Shale, red to black			1268	1268			
Sandstone, white to gray;							
<u>BIG INJUN</u>			1288	1330			
Shale; dark brown			1330	1367			
Sandstone; white to brown, limey			1367	1374			
Shale, brown			1374	1393			
Sandstone, fine, gray			1393	1415			
Shale, gray, sandy			1415	1545			
Sandstone, gray and white;							
Driller's <u>GANTZ</u> Show of gas			1545	1571	Gas	Show	show
Shale, gray			1571	1586			
Sandstone, gray to brown; <u>GANTZ</u>			1586	1616			
Shale, brown			1618	1638			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sandstone, white to gray	Show of gas		1638	1677	Gas	Show	
Shale, red to gray			1677	1684			
Sandstone, gray to green, shaly			1684	1714			
Shale, gray to green, sandy			1714	1728			
Sand, gray, shaly			1728	1740			
Sandstone, fine, shaly			1740	1750			
Shale, sandy, gray			1750	1760			
Sand, white	THIRTY FOOT		1760	1780			
Shale, red and brown, sandy	Show of gas at 1797		1780	1844	Gas	Show at 1797	
Sand, gray and white	GORDON STRAY		1844	1860			
Shale, green to red			1860	1870			
Limestone, gray, sandy			1870	1873			
Sandstone, greenish-gray; limey; GORDON			1873	1888			
Shale, red, sandy			1888	1910			
Sand, white, shaly			1910	1920			
Shale, red and green, sandy			1920	1958			
Sandstone, fine, shaly, red			1958	1965			
Shale, red, sandy			1965	2020			
Sand, gray to white, limey; FOURTH			2020	2035			
Shale, gray and brown			2035	2082			
Sand, brown; FIFTH			2082	2113			
Shale, grayish-green, sandy			2113	2545			
Sandstone, gray			2545	2557			
Shale, gray			2557	2576			
Sand, gray, fine shaly			2576	2593			
Shale, gray, sandy			2593	2691			
Sandstone, light gray			2691	2708			
Shale, gray to brown, sandy			2708	2920			
Sandstone, white to gray, fine			2920	2927			
Shale, gray to brown, sandy			2927	2960			
Sandstone, white, fine			2960	2965			
Shale, gray to brown			2965	2984			
Sand, dark brown			2984	3015			
Shale, gray, sandy			3015	3037			
Sandstone, gray, fine			3037	3057			
Shale, gray, sandy			3057	3364			
Sandstone, dark brown, fine			3364	3375			
Shale, gray, sandy			3375	3538			
Sandstone, white to gray, limey			3538	3555			
Siltstone, reddish-brown, shaly			3555	3596			
Sandstone, brown to gray			3596	3624			
Siltstone, brown, shaly			3624	3653			
Sandstone, gray, fine			3653	3658			
Shale, gray, sandy			3658	3703			
Sandstone, gray fine			3703	3718			
Shale, gray, sandy			3718	3730			
Siltstone, brown			3730	3745			
Shale, gray, sandy			3745	3823			
Sand, fine, gray to white			3823	3856			
Shale, dark gray, sandy			3856	3895			
Sandstone, white to brown			3895	3918			
Shale, brown, sandy			3918	3953			
Sandstone, brown, fine			3953	3984			
Shale, gray, sandy			3984	4000			
Sand, white, fine			4000	4005			
Shale, gray, sandy			4005	4028			
Sand, gray and brown, fine			4028	4038			
Shale, gray and brown			4038	4058			
Sandstone, brown; BENSON			4058	4072			
Shale, brown, sandy			4072	4170			
Sand, brown			4170	4205			
Shale, gray, sandy			4205	4215			
Sand, white to gray, fine			4215	4243			
Shale, gray to brown, sandy			4243	4346			
Sand, gray, fine			4346	4362			

Date May 5, 194

APPROVED: Mojo Natural Gas Company Owner
 By: [Signature]
 (Title) General Supt.

4703300079 P

03/10/2023

09-10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. Hav-79

Oil or Gas Well _____
(RIND)

Company _____	Casing and Tubing _____	Used in Drilling _____	Le't In Well _____	Packers _____
Address _____	Size _____			
Farm _____ Acres _____	16 _____			Kind of Packer _____
Location (waters) _____	13 _____			
Well No. _____ Elev. _____	10 _____			Size of _____
District _____ County _____	8 1/4 _____			Depth set _____
The surface of tract is owned in fee by _____	6 5/8 _____			
Address _____	5 3/16 _____			Perf. top _____
Mineral rights are owned by _____	3 _____			Perf. bottom _____
Address _____	2 _____			Perf. top _____
Drilling commenced _____	Liners Used _____			Perf. bottom _____
Drilling completed _____				
Date shot _____ Depth of shot _____				
Open Flow _____ /10ths Water in _____ Inch				
_____ /10ths Merc. in _____ Inch				
Volume _____ Cu. Ft.	CASING CEMENTED _____	SIZE _____	No. Ft. _____	Date _____
Rock Pressure _____ lbs _____ hrs.				
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT _____	FEET _____	INCHES _____	
Fresh water _____ feet _____ feet	_____	FEET _____	INCHES _____	
Salt water _____ feet _____ feet	_____	FEET _____	INCHES _____	

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale, bluish-gray to black, sandy			4362	4520			
Sand, gray, shaly			4620	4547			
Shale, brown, sandy			4547	4560			
Sand, shaly, gray			4560	4620			
Shale, gray to brown, sandy			4620	5335			
Shale, light gray to buff, sandy			5335	5528			
Shale, brown, sandy			5528	5865			
Shale, brown, gray and black, sandy			5865	6485			
Shale, black to dark gray, sandy			6485	6621			
Limestone, brown, shaly			6621	6624			
Shale, black to gray, sandy			6624	6776			
Limestone, shaly, brown			6776	6800			
Shale, limey, sandy, gray			6800	6843			
Shale, brown, sandy, gray			6843	6955			
Shale, black, sandy, soft			6955	7060			
Lime, cherty, gray							
TOP HUNTERSVILLE CHERT (10')			7060	7065			
Chert, limey, gray and brown			7065	7110			
Chert, brown to light gray			7110	7150			
Chert, brown to black, broken, silty			7150	7240			
Chert, gray to brown, limey			7240	7266			
Limestone, brown, cherty			7266	7290			
Sand, gray, limey; TOP CRISKANY (?)							
Show of gas			7290	7370	Gas	Show	Show
Limestone, gray, sandy			7370	7433			
Shale, brown to gray, sandy			7433	7437			
Sand, white to gray, shaly			7437	7455			
Limestone, brown to gray			7455	7529			
Chert, blue-gray, pure			7529	7541			
Limestone, brown and gray, shaly			7541	7613			
Sand and lime, white to gray			7613	7619			
Limestone, gray, shaly			7619	7624			
Sandstone, white to gray, limey			7624	7648			
Lime, gray to brown, dolomitic			7648	7825			
Dolomite, brown, limey, anhydrite			7825	7865			
Lime, brown to black, dolomitic			7865	7880			
Chert, blue-gray			7880	7881			
Dolomite and limestone with anhydrite, shaly			7881	7950			



(Over)

03/10/2023

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Dolomite - Anhydrite, shaly			7950	8036			
Salt			8036	8042			
Anhydrite, gray, dolomite			8042	8071			
Salt			8071	8138			
Dolomite, lime and anhydrite, shaly							
Cut mud at 8212-8216							
Lost circulation at 8426 to 8431			8138	8633			
Sand, fine, gray, hard			8633	8638			
Dolomite, lime and anhydrite, shaly			8638	9193			
Shale, red			9193	9198			
Sandstone, red, shaly, broken			9198	9207			
Shale, red and green			9207	9636			
Sand, white, fine shaly							
Show of gas at 9650 & 9665 to 9685			9636	9685	Gas	Show at 9650-9655-9685	
Shale, gray, sandy			9685	9747			
Sand, gray, fine, flinty, white;							
TOP WHITE MEDINA			9747	9751			
Sand, white, quartzitic, very							
hard, flinty			9751	9772			
Shale, sandy, siliceous			9772	9776			
Sand, white, quartzitic, very							
hard, flinty			9776	9951			
Shale, dark gray, sandy			9951	9975			
Sandstone, white, fine, flinty			9975	9996			
Shale, siliceous, reddish, brown			9996	10018			
TOTAL DEPTH				10018			

Date May 5, 1941

APPROVED Hope Natural Gas Company, Owner

By [Signature] General Supt.

PROBABLE WELL RECORD OF WELL #3517, GRIBBLE
Based on records of nearby wells

Elevation Derrick Floor 1125

Surface	0	
Lime, Rock & Slate	0-112	(112) Coal 65-70 Bakerstown
Coal	112-115	(2) " 142-144 Brush Creek
Slate, Red Rock	115-267	(152)
Little Dunkard Sand	267-292	(25)
Slate	292-392	(100)
Big Dunkard Sand	392-412	(20)
Slate & Lime	412-497	(85)
Gas Sand	497-552	(55)
Slate	552-562	(10)
First Salt Sand	562-687	(125)
Slate and Shells	687-697	(10)
Second Salt Sand	697-802	(105)
Slate and Lime	802-846	(44)
Maxon Sand	846-872	(26)
Slate and Red Rock	872-1112	(240)
Little Lime	1112-1122	(10)
Pencil Cave	1122-1132	(10)
Big Lime	1132-1197	(65)
Big Injun Sand	1197-1307	(110)
Slate	1307-1337	(30)
Squaw Sand	1337-1362	(25)
Lime and Slate	1362-1509	(147)
Gantz Sand	1509-1534	(25)
Slate	1534-1669	(135)
Thirty Foot Sand	1669-1750	(81)
Slate and Shells	1750-1820	(70)
Gordon Stray Sand	1820-1867	(47)
Slate	1867-1874	(7)
Gordon Sand	1874-1904	(30)
Slate and Shells	1904-1917	(13)
Fourth Sand	1917-1942	(25)
Slate and Lime	1942-2034	(92)
Fifth Sand	2034-2060	(26)
Slate and Lime Shells	2060-2752	(692)
Speckloy Sand	2752-2774	(22)
Lime and Slate	2774-3952	(1178)
Benson	3952-3962	(10)
Lime, Shale and Slate	3962-6937	(2975)
Corniferous Lime	6937-7187	(250)
Criskany Sand	7187	

Select County: (033) Harrison

Enter Permit #: 00079

Select datatypes: (Check All)

- Location
- Production
- Owner/Completion
- Stratigraphy
- Logs
- Pay/Show/Water
- Plugging
- Sample
- Bim Hole Loc

[Table Descriptions](#)
[County Code Translations](#)
[Permit Numbering Schemes](#)
[License Notes](#)
[Contact Information](#)
[Disclaimer](#)
[WVGES Main](#)
[Pipeline-Plus](#)

Well: County = 33 Permit = 00079 [Link to all digital records for well](#)

Report Time: Tuesday, March 07, 2023 2:26:56 PM

4703300079

Geological & Economic Survey
Location Information: [View Map](#)
COUNTY PERMIT TAX_DISTRICT QUAD_75 QUAD_15 LAT_DD LON_DD UTM_E UTM_N
4703300079 Harrison 79 Grant Mount Clara Weston 39.157768 -80.327053 558142.3 4334500.1
4703300079 4/10/1941 Original Loc Completed C S Grubbs 8517

Completion Information:
API CMP_DT SPUD_DT ELEV DATUM FIELD DEEPEST_FM DEEPEST_FMT INITIAL_CLASS FINAL_CLASS TYPE RIG CMP_MTHD TVD TMD NEW_FTG KOD G_BEF G_AFT O_BEF O_AFT NGL_BEF NGL_AFT P_BEF TL_BEF P_AFT
4703300079 4/10/1941 7/4/1940 1113 Ground Level Weston-Jane Law Juniata Fm Tuscarora Ss Deeper-pool Test Unsuccessful Dry w/ Gas Show Rotary Shot 10018 10018 0 0 0 0 0 0 0 0 0 0

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH	TOP_FM	TOP	DEPTH	BOT_FM	BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4703300079	4/10/1941	Show	Gas	Vertical	1945	Berea Ss	1571	Berea Ss	1571	0	0	0	0	0	0
4703300079	4/10/1941	Show	Gas	Vertical	1538	Berea Ss	1737	Berea Ss	1737	0	0	0	0	0	0
4703300079	4/10/1941	Show	Gas	Vertical	7290	Oriskany	7370	Up Devonian	7370	0	0	0	0	0	0
4703300079	4/10/1941	Show	Gas	Vertical	9665	Rose Hill Fm	9685	Rose Hill Fm	9685	0	0	0	0	0	0

There is no Production Gas data for this well

There is no Production Oil data for this well ** some operators may have reported NGL under Oil

There is no Production NGL data for this well ** some operators may have reported NGL under Oil

There is no Production Water data for this well

Stratigraphy Information:

API	SUFFIX	FM	FM_QUALITY	DEPTH_TOP	DEPTH_QUALITY	THICKNESS	THICKNESS_QUALITY	ELEV DATUM
4703300079	Original Loc	Allegheny Fm	Well Record	280	Reasonable	225	Reasonable	1113 Ground Level
4703300079	Original Loc	Pottsville Group	Well Record	505	Reasonable	385	Reasonable	1113 Ground Level
4703300079	Original Loc	Mauch Chunk Grp	Well Record	870	Reasonable	285	Reasonable	1113 Ground Level
4703300079	Original Loc	Little Lime	Well Record	1113	Reasonable	10	Reasonable	1113 Ground Level
4703300079	Original Loc	Percol Cave	Well Record	1123	Reasonable	27	Reasonable	1113 Ground Level
4703300079	Original Loc	Big Lime	Well Record	1155	Reasonable	175	Reasonable	1113 Ground Level
4703300079	Original Loc	Greenbrier Group	Well Record	1330	Reasonable	288	Reasonable	1113 Ground Level
4703300079	Original Loc	Price Fm & equivs	Well Record	1586	Reasonable	32	Reasonable	1113 Ground Level
4703300079	Original Loc	Berea Ss	Well Record	1784	Reasonable	16	Reasonable	1113 Ground Level
4703300079	Original Loc	Thinny-foot	Well Record	1844	Reasonable	12	Reasonable	1113 Ground Level
4703300079	Original Loc	Gordon Stray	Well Record	1873	Reasonable	15	Reasonable	1113 Ground Level
4703300079	Original Loc	Gordon	Well Record	2020	Reasonable	15	Reasonable	1113 Ground Level
4703300079	Original Loc	Fifth	Well Record	2082	Reasonable	31	Reasonable	1113 Ground Level
4703300079	Original Loc	Benson	Well Record	4058	Reasonable	14	Reasonable	1113 Ground Level
4703300079	Original Loc	Driller's Tully	Well Record	6780	Reasonable	250	Reasonable	1113 Ground Level
4703300079	Original Loc	Harrison Grp	Well Record	6805	Reasonable	235	Reasonable	1113 Ground Level
4703300079	Original Loc	Huntersville Chart	Well Record	7055	Reasonable	110	Reasonable	1113 Ground Level
4703300079	Original Loc	Oriskany	Well Record	7290	Reasonable	113	Reasonable	1113 Ground Level
4703300079	Original Loc	Heidelberg	Well Record	7400	Reasonable	385	Reasonable	1113 Ground Level
4703300079	Original Loc	Salina	Well Record	7785	Reasonable	848	Reasonable	1113 Ground Level
4703300079	Original Loc	Newburg	Well Record	8633	Reasonable	5	Reasonable	1113 Ground Level
4703300079	Original Loc	Mckenzie Fm	Well Record	8638	Reasonable	532	Reasonable	1113 Ground Level
4703300079	Original Loc	Rochester Sh	Well Record	9170	Reasonable	28	Reasonable	1113 Ground Level
4703300079	Original Loc	Keeler Ss	Well Record	9198	Reasonable	9	Reasonable	1113 Ground Level
4703300079	Original Loc	Rose Hill Fm	Well Record	9207	Reasonable	540	Reasonable	1113 Ground Level
4703300079	Original Loc	Tuscarora Ss	Well Record	9747	Reasonable	249	Reasonable	1113 Ground Level
4703300079	Original Loc	Juniata Fm	Well Record	9996	Reasonable	0	Reasonable	1113 Ground Level

Wireline (E-L-og) Information:

Scanned/Paper Log Information:
API LOG_TOP LOG_BOT DEEPEST_FML LOGS_AVAILABLE SCAN_GR_TOP GR_BOT D_TOP D_BOT N_TOP N_BOT L_TOP L_BOT T_TOP T_BOT S_TOP S_BOT O_TOP O_BOT INCH2 INCH5 REDUCED KOP LOGMD ELEV_KB ELEV_GL ELEV_DF LOG_MSRD FROM
4703300079 100 1725 G.D.C. Y 100 1725 960 1725 964 1725 Y Y

Scanned/Paper Comment: *logs:caliper

* There is no Digitized Log data for this well

Downloadable Log Images/Data: We advise you to save the scanned log or digitized log file(s) to your PC for viewing. To do so, right-click the file of interest and select the save option. Then you can direct the file to a location of your choice. Please note the scanned log images vary in size and some may take several minutes to download.

03/10/2023

Scanned Logs

Quick Reference Guide for Log File Names For more info about WVGES scanned logs click [here](#)
geologic log types:
d density (includes bulk density, compensated density, density, density porosity, grain density, matrix density, etc.)
e photoelectric adsorption (PE or Pe, etc.)
g gamma ray
i induction (includes dual induction, medium induction, deep induction, etc.)
l laterolog
m dipmeter
n neutron (includes neutron porosity, sidewall neutron--SWN, etc.)
o other¹
s sonic or velocity
t temperature (includes borehole temperature, BHT, differential temperature, etc.)
z spontaneous potential or potential

mechanical log types:
b cement bond
c caliper
o other¹
p penetration depth control or perforate

¹Other logs may include, but are not limited to, such curves as audio, bit size, CCL--casing collar locator, continuous meter, directional survey, gas detector, guard, NCTL--Nuclear Cement Top Locator, radioactive tracer, tension

Plugging Information:

API	PLG_DT	DEPTH_PBT
4703300079	5/6/1941	0
4703300079	2/25/1973	0

Sample Information:

API	CUT1_TOP	CUT1_BOT	CUT2_TOP	CUT2_BOT	CORE1_TOP	CORE1_BOT	FM1_TOP	FM1_BOT	CORE2_TOP	CORE2_BOT	FM2_TOP	FM2_BOT	SAMPL	THN_SEC1	SCAN1	SLAB1	PERM1	THN_SEC2	SCAN2	SLAB2	PERM2	
4703300079	645																					
		10011			7149		7295	Orondaga Ls	Oriskany		7360		9776	Oriskany	Tuscarora Ss	V17.B16						

WW-4A
Revised 6-07

1) Date: January 18, 2023
2) Operator's Well Number
C S Gribble 8517

3) API Well No.: 47 - 033 - 00079

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>David K Scranage</u>	Name <u>NA</u>
Address <u>633 Rice Run Road</u>	Address _____
<u>Lost Creek, WV 26385</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>NA</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Ken Greynolds</u>	(c) Coal Lessee with Declaration
Address <u>613 Broad Run Road</u>	Name <u>NA</u>
<u>Jane Lew, WV 26378</u>	Address _____
Telephone <u>304-206-6613</u>	_____

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.

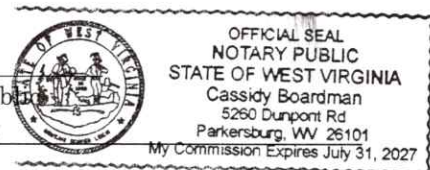
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

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.

Well Operator HG Energy II Appalachia, LLC
 By: Diane White
 Its: Agent
 Address 5260 Dupont Road
Parkersburg, WV 26101
 Telephone 304-420-1119

Subscribed and sworn before me this 18th day of JANUARY 2023

Cassidy Boardman Notary Public
My Commission Expires 7/31/2027



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 depprivacyoffier@wv.gov.

4703300079P 03/10/2023

7019 1640 0000 3630 3490

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$
Sent To David K Scranage	
Street and Apt. No., or PO Box No. 633 Rice Run Road	
City, State, ZIP+4® Lost Creek WV 26385	

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



RECEIVED
 Office of Oil and Gas
 JAN 26 2023
 WV Department of
 Environmental Protection



HG Energy, LLC
5260 Dupont Road
Parkersburg, WV 26101
(304) 420-1100 - Office
(304) 863-3172 - Fax

03/10/2023
4703300079P

January 18, 2023

David K Scranage
633 Rice Run Road
Lost Creek, WV 26385

RE: C.S. Gribble 8517 (47-033-00079)
Grant District, Harrison County
West Virginia

Dear Landowner:

Enclosed are copies of various application papers that we have filed with the West Virginia Department of Environmental Protection (WVDEP), Office of Oil and Gas. A well work (plugging) permit is being requested for the above-referenced well.

Pursuant to WV Code Chapter 22B, Article 6, you are receiving copies of this correspondence because the well or other anticipated disturbance is located on your surface property. Your rights as a landowner are detailed in the enclosed permit application papers.

No action on your part is required. If you have any questions or comments regarding this application, you may call this office at (304) 420-1119.

Very truly yours,

Diane White

Diane White

Enclosures

cc - Ken Greynolds – WV DEP State Inspector

RECEIVED
Office of Oil and Gas
JAN 26 2023
WV Department of
Environmental Protection

RECEIVED
Office of Oil and Gas
JAN 26 2023
WV Department of
Environmental Protection

03/10/2023

SURFACE OWNER WAIVER

Operator's Well
Number

C S Gribble 8517

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

RECEIVED
Office of Oil and Gas
JAN 26 2023
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.

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.

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 objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name _____	_____
Signature		By	_____
		Its	_____
			Date _____
		Signature	Date _____

47033000700 03/10/2023

WW-9
(5/16)

API Number 47 - 033 - 00079
Operator's Well No. _____

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

Operator Name HG Energy II Appalachia, LLC OP Code 494519932
Watershed (HUC 10) Lost Creek Quadrangle Mt. Clare

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: NA

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 WW-9-GPP)
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain No fluids or waste is anticipated. Any well effluent found will be disposed of at an authorized disposal site. _____)

Will closed loop system be used? If so, describe: No

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. NA

-If oil based, what type? Synthetic, petroleum, etc. NA

Additives to be used in drilling medium? NA

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. If any, remove to approved offsite disposal

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) NA

-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 notice 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 Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Diane White

Company Official (Typed Name) Diane White

Company Official Title Agent

RECEIVED
Office of Oil and Gas

JAN 24 2023

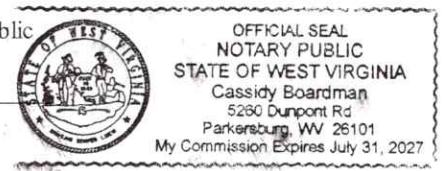
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Subscribed and sworn before me this 18th day of January, 20 23

Cassidy Boardman

Notary Public

My commission expires 7/31/2027



Form WW-9

Operator's Well No. _____

Proposed Revegetation Treatment: Acres Disturbed .5 acre Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10/20/20

Fertilizer amount 500 lbs/acre

Mulch Straw 2 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type	lbs/acre
Tall Fescue	40
Latino Clover	5

Seed Type	lbs/acre
Tall Fescue	40
Latino Clover	5

**** Sediment Control Will Be In Place At All Times ****

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.

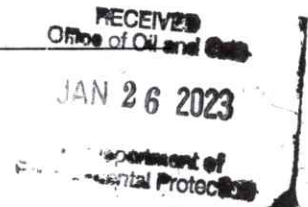
Plan Approved by: Kenneth Greynolds
Digitally signed by: Kenneth Greynolds
DN: CN = Kenneth Greynolds email = Kenneth.L.Greynolds@wv.gov C = AD O = WVDEP OU = Oil and Gas
Date: 2023.01.23 12:26:06 -0500

Comments: _____

Title: _____

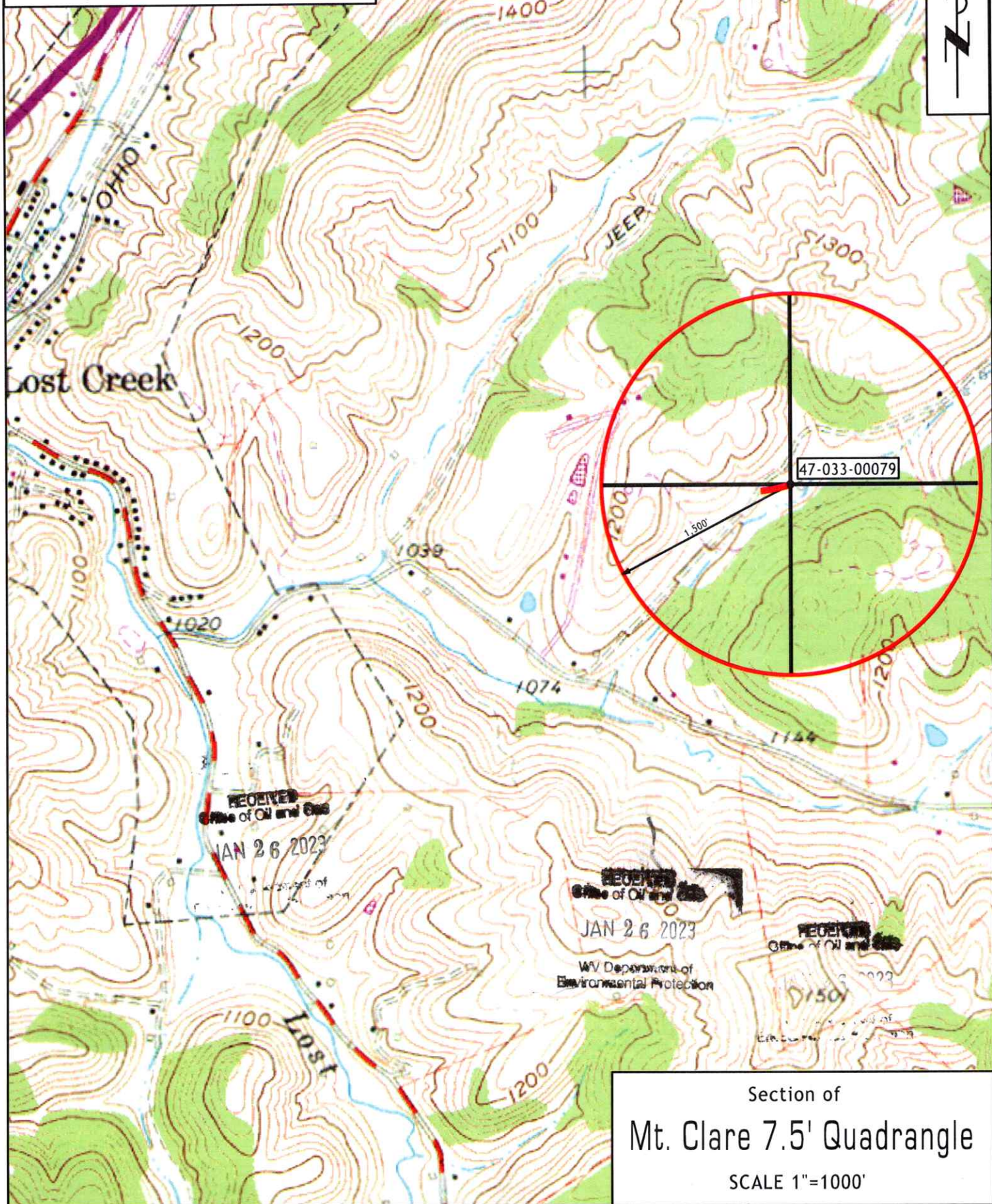
Date: _____

Field Reviewed? () Yes () No



SUBJECT WELL
Gribble 8517
(47-033-00079)

03/10/2023



Section of
Mt. Clare 7.5' Quadrangle
SCALE 1"=1000'

West Virginia Department of Environmental Protection
Office of Oil & Gas

WELL LOCATION FORM: GPS

API: 47- 033 - 00079 WELL NO: 8517

FARM NAME: CS Gribble

RESPONSIBLE PARTY NAME: HG Energy, LLC

COUNTY: Harrison DISTRICT: Grant

QUADRANGLE: Mt. Clare 7.5'

SURFACE OWNER: David K. Scranage

ROYALTY OWNER: HG Energy, LLC et al.

UTM GPS NORTHING: 4,334,490

UTM GPS EASTING: 558,105 GPS ELEVATION: 339 m. (1112')

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil & 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	<input type="checkbox"/>	Post Processed Differential	<input type="checkbox"/>
		Real-Time Differential	<input type="checkbox"/>
Mapping Grade GPS	<input checked="" type="checkbox"/>	Post Processed Differential	<input checked="" type="checkbox"/>
		Real-Time Differential	<input type="checkbox"/>

RECEIVED
Office of Oil and Gas
JAN 26 2023
WV Department of
Environmental Protection

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.

Diane White Diane C. White
Signature

Designated Agent
Title

December 28, 2022
Date



HG Energy, LLC
5260 Dupont Road
Parkersburg, WV 26101
(304) 420-1100 - Office
(304) 863-3172 - Fax

03/10/2023
4703300079

January 18, 2023

Jeff McLaughlin
WVDEP
Division of Oil & Gas
601 57th Street
Charleston, West Virginia 25304

RE: C. S. Gribble 8517 (47-033-00079)
Grant District, Harrison County
West Virginia

Dear Mr. McLaughlin:

Enclosed are Forms WW-4(A), WW-4(B), WW-9, WW-7, OP-77-A, topo map, well record and copy of certified mailing receipt for a plugging application. This well was plugged in 1973; as a part of an Area Review in preparation for the Scranage 1204 drilling program the well will be replugged to avoid any possible communication with the 1204 wells. The well is being added to HG's surety bond for the duration of the plugging activity until the Inspector releases the permit.

Please let me know if you have any questions or need further information. I can be reached at 304-420-1119 or dwhite@hgenergyllc.com.

Yours Truly,

Diane White

Enclosures

cc: David K. Scranage – Certified
Ken Greynolds - WV DEP State Inspector

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