

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas
(If "Gas", Production / Underground storage _____ Deep _____ Shallow

LOCATION: Elevation: 935' Watershed: Devil Hole Creek
District: Grant County: Ritchie Quadrangle: Cairo, WV 7 1/2'

WELL OPERATOR Glenn L. Haught & Sons
Address Smithville, WV 26178

DESIGNATED AGENT Warren R. Haught
Address Smithville, WV 26178

OIL & GAS ROYALTY OWNER Thomas R. Davis
Address Harrisville, WV 26362

COAL OPERATOR None
Address _____

Acreage 65
SURFACE OWNER Emerson R. Rugh
Address 12 Locust Ave
Troy, N. Y. 12180
Acreage 58.7

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
Name _____
Address _____
Name _____
Address _____

FIELD SALE (IF MADE) TO:
Name _____
Address _____

RECEIVED
DEC 12 1979
OIL & GAS DIVISION
DEPT. OF MINES
COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____
Name _____
Address _____
Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Kenneth Paul Goodnight
Address Smithville, WV 26178
Phone: 477-3660

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___/ lease ___/ other contract dated February 1, 1978, to the undersigned well operator from Ritchie Petroleum Corporation

[If said deed, lease, or other contract has been recorded:]
Recorded on February 2, 1978, in the office of the Clerk of the County Commission of Ritchie County, West Virginia, in Lease Book 124 at page 569. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper ___/ Redrill ___/ Fracture or stimulate ___/
Plug off old formation ___/ Perforate new formation ___/
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

05/03/2024

Glenn L. Haught & Sons
Well Operator

By Warren R. Haught
Partner

BLANKET BOND

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Glenn L. Haught & Sons
Address Smithville, WV 26178

GEOLOGICAL TARGET FORMATION, Big Injun

Estimated depth of completed well, 2100 feet Rotary Cable tools

Approximate water strata depths: Fresh, 500 feet; salt, feet.

Approximate coal seam depths: None Is coal being mined in the area? Yes No

CASING AND TUBING PROGRAM

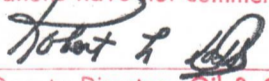
CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	8 5/8	K-55	20#	X		200'	200'	75 sacks	
Coal									Sizes
Intermediate									
Production	4 1/2	J-55	10.5#	X			2100'	100 sacks	Depths set
Lining									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-3, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-3a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 8-18-80.


Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

05/03/2024

Date: , 19

By
Its



IV-9
(Rev 8-81)

DATE 26 FEBRUARY, 1982

WELL NO. H-854

State of West Virginia API NO. 47 - 085 - 4483*

Department of Mines

Oil and Gas Division

Construction & Reclamation Plan

Free

COMPANY NAME HAUGHT, INC.
ADDRESS SMITHVILLE, W.VA. 26178

DESIGNATED AGENT WARREN HAUGHT
ADDRESS SMITHVILLE, W.VA. 26178

Telephone 477-3333

Telephone 477-3333

EMERSON R. & BEU. W RUGH AND
LANDOWNER BERTIE M. MORTON HEIRS

SOIL CONS. DISTRICT LITTLE KANAWHA

Revegetation to be carried out by WARREN HAUGHT (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 2-26-82

(Date)

Garrett Newlon
(SCD Agent)

ACCESS ROAD

LOCATION

Structure CROSS DRAIN (A)

Structure DIVERSION DITCH (1)

Spacing _____

Material SOIL

Page Ref. Manual 1:3

Page Ref. Manual 1:9

Structure RIP-RAP (B)

Structure RIP-RAP (C)

Spacing _____

Material ROCK-STONE

Page Ref. Manual N/A

Page Ref. Manual N/A

Structure _____

Structure _____

Spacing _____

Material _____

Page Ref. Manual _____

Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5

Lime _____ Tons/acre
or correct to pH 6.5

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch HAY 2 Tons/acre

Mulch HAY 2 Tons/acre

Seed* KY31 FESCUE 35 lbs/acre

Seed* KY31 FESCUE 35 lbs/acre

REDTOP 5 lbs/acre

REDTOP 5 lbs/acre

_____ lbs/acre

_____ lbs/acre

_____ lbs/acre

_____ lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

05/03/2024

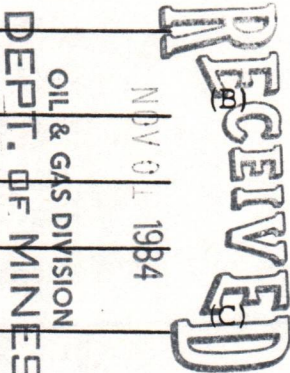
PLAN PREPARED BY WILLIAM R. MOSSOR, L.L.S.

ADDRESS 112 NORTH SPRING STREET

HARRISVILLE, W.VA. 26362

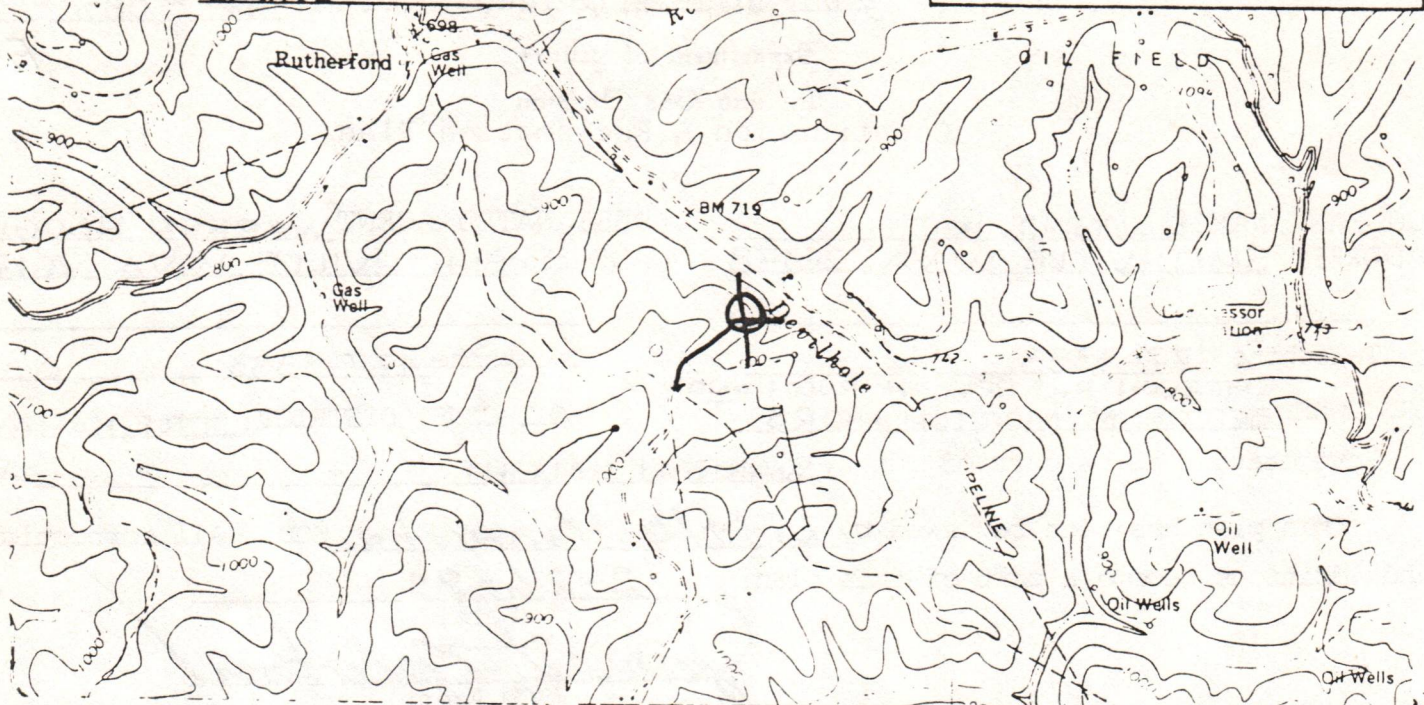
PHONE NO. (304) 643-4572

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.



ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE **CAIRO**

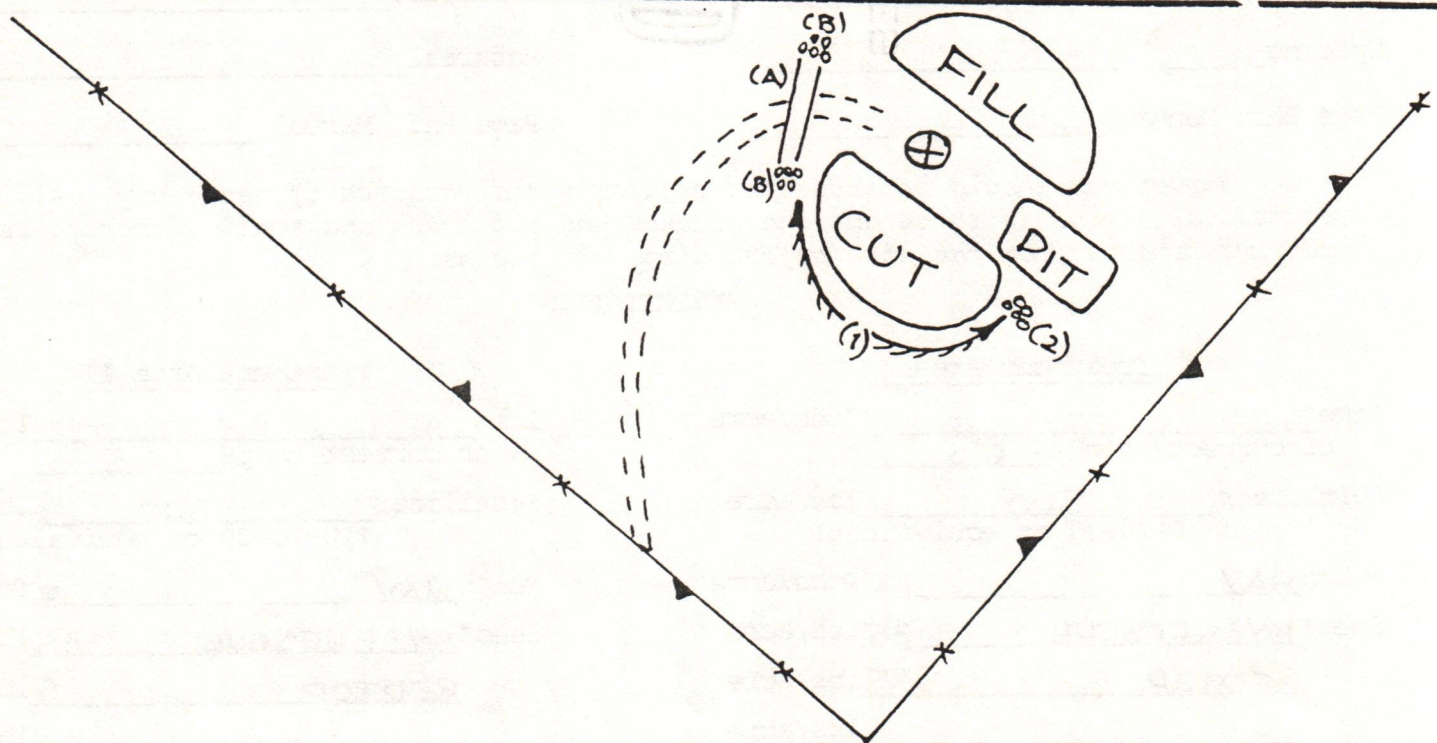
LEGEND
WELL SITE ⊕ ACCESS ROAD —



drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary		Diversion	
Road		Spring	
Existing fence		Wet spot	
Planned fence		Building	
Stream		Drain pipe	
Open ditch		Waterway	



- Comments: 1. AVERAGE SLOPE OF ACCESS ROAD 5%. 05/03/2024
2. LENGTH OF ACCESS ROAD 500'.
3. BRUSH AND TREES TO BE PILED AT SITE.
4. _____
5. _____

Date: DEC. 8, 19 79
Operator's Well No. H-854
API Well No. 47 - - -
State County Permit

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

RECLAMATION PLAN

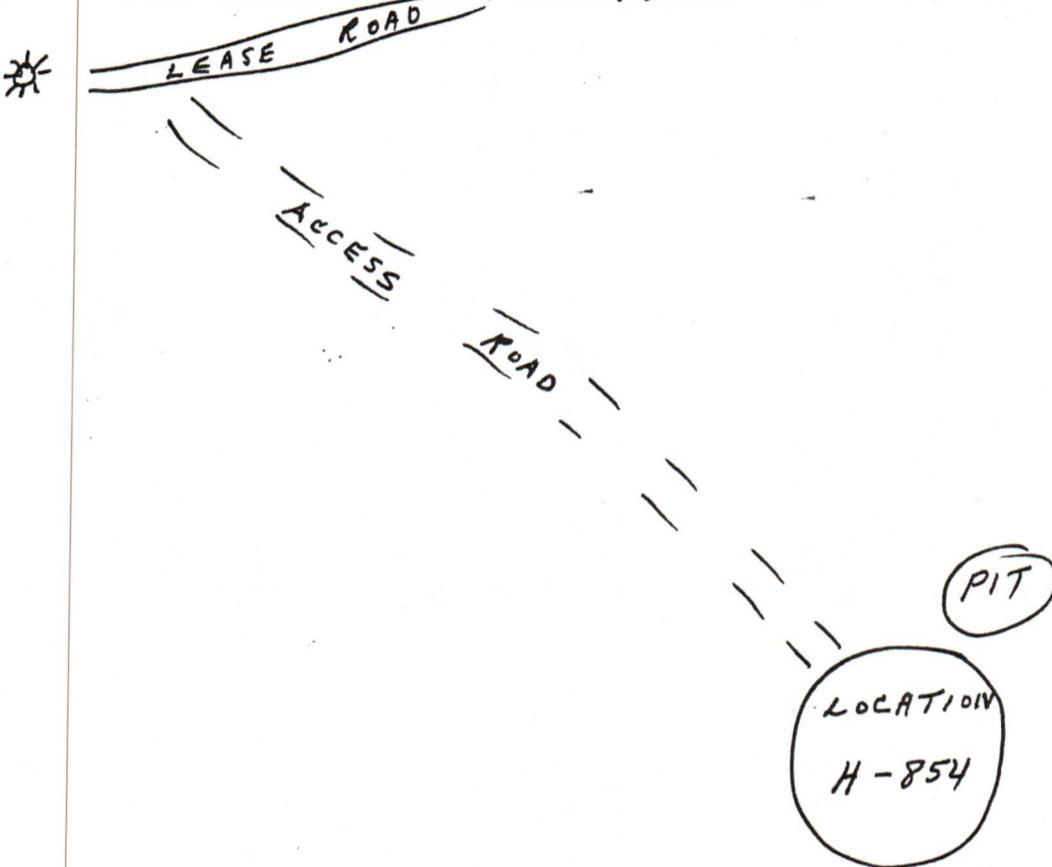
WELL OPERATOR GLENN L. HAUGHT & SONS
Address Rt. 3, Box 14
Smithville, WV 26178

DESIGNATED AGENT WARREN R. HAUGHT
Address P. O. Box 2
Smithville, WV 26178

The well operator hereby agrees to carry out the reclamation requirements of Code § 22-4-12b in the manner set out below.

This plan has ___/ has not / been reviewed with the district oil and gas inspector.

SKETCH: (Locate and show the (1) well location, (2) existing access road, (3) access road to be constructed, (4) well site, (5) drilling pit(s), and (6) necessary drainage features, including drains (natural and manmade), silt traps, etc.)



STATEMENT OF RECLAMATION PLAN (Complete on reverse side if necessary)

BUILD ACCESS ROAD FROM THE LEASE ROAD TO THE LOCATION AND BUILD LOCATION ON A FLAT WITH PIT CUT NEARBY.

AFTER WELL IS COMPLETED ROAD AND LOCATION TO BE GRADED, PIT REFILLED AND SEEDED.

RECEIVED
DEC 12 1979
Ed
OIL & GAS DIVISION
DEPT. OF MINES

GLENN L. HAUGHT & SONS
Well Operator
By Warren R. Haught 05/03/2024
Its
Co-Owner

RECEIVED

Date: Feb. 26, 1982

[08-78]

MAR 03 1982

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. H-854
API Well No. 47 - 085 4483-RE
State County Permit

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

WELL TYPE: Oil Gas
(If "Gas", Production / Underground storage / Deep / Shallow /)

Former Permit #47-085-4483

LOCATION: Elevation: 935' Watershed: Devil Hole Creek
District: Grant County: Ritchie Quadrangle: Cairo, WV 7 1/2'

WELL OPERATOR Glenn L. Haught & Sons
Address Smithville, WV 26178

DESIGNATED AGENT Warren R. Haught
Address Smithville, WV 26178

OIL & GAS ROYALTY OWNER Thomas R. Davis
Address Harrisville, WV 26362

COAL OPERATOR None
Address

ACREAGE 62
SURFACE OWNER Emerson R. Rugh
Address 12 Locust Ave
Troy, N.Y. 12180
ACREAGE 58.7

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name
Address
Name
Address

FIELD SALE (IF MADE) TO:
Name
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Doe Mace
Address Rt. 1 Box 5
Sandridge, WV 25274

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated Feb. 1, 1978, to the undersigned well operator from Ritchie Petroleum Corporation
If said deed, lease, or other contract has been recorded;]

Recorded on Feb. 2, 1978, in the office of the Clerk of the County Commission of Ritchie County, West Virginia, in Lease Book 124 at page 569. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
15 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

Glenn L. Haught & Sons
Well Operator
By Warren R. Haught
Its Partner

05/03/2024

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DILLING CONTRACTOR (IF KNOWN) Glenn L. Haught & Sons
Address Smithville, WV 26178

GEOLOGICAL TARGET FORMATION, big Injun

Estimated depth of completed well, 2100 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 250 feet; salt, feet.

Approximate coal seam depths: None Is coal being mined in the area? Yes / No X

LOGGING AND TUBING PROGRAM

LOGGING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft	New	Used	For drilling		Left in well	
Conductor									Kinds
Fresh water	8-5/8	K-55	20#	X		300'	300'	cement to Surface	
Gal									Sizes
Intermediate									
Production	4 1/2'	J-55	10.5#	X			2100'	100 sacks	Depths set
Tubing									
Packers									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
THIS PERMIT MUST BE POSTED AT THE WELL SITE.

ALL PROVISIONS BEING IN ACCORDANCE WITH: CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling renewed THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 11-10-82.

BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

05/03/2024

Date: , 19

By
Its



1) Date: October 22, 19 84
2) Operator's Well No. Davis H-854
3) API Well No. 47 - 085 - 4483 - FRAC
State County Permit

RECEIVED

NOV 01 1984

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

OIL & GAS DIVISION

- 4) WELL TYPE: A - Oil Gas
B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 935 Watershed: Devilhole Creek
District: Grant County: Ritchie Quadrangle: Cairo 7.5
- 6) WELL OPERATOR: ~~XXXX~~ Haught, Inc. 21585 7) DESIGNATED AGENT Warren R. Haught
Address 4424 Emerson Ave. Address Rt 3 Box 14
Parkersburg, WV 26104 Smithville, WV 26178
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Samuel Hersman
Address P. O. Box 66
Smithville, WV ~~XXXX~~ 26178
- 9) DRILLING CONTRACTOR: Name Haught, Inc.
Address 4424 Emerson Ave.
Parkersburg, WV 26104
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Devonian
- 12) Estimated depth of completed well, 4324 feet
- 13) Approximate strata depths: Fresh, N/A feet; salt, N/A feet.
- 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	8 5/8	K-55	20#			In Well	1049	178 sacks	Sizes
Coal									
Intermediate									
Production	4 1/2	JN-55	10 1/2#			In Well	3835	250 sacks	Depths set
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-085-4483-FRAC

November 8, 19 84
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
Permit expires November 8, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>74</u>	<u>J. H.</u>	<u>MU</u>	<u>MU</u>	<u>6838</u>

Margaret J. Hesse
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

05/03/2024



RECEIVED

1984

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1. LOCATION: ...
 2. WELL OPERATOR: ...
 3. OIL & GAS INSPECTOR TO BE NOTIFIED: ...
 4. PROPOSED WELL WORK: ...
 5. GEOLOGICAL TAPING INFORMATION: ...
 6. APPROXIMATE DEPTH OF THE WELL: ...
 7. APPROXIMATE DEPTH OF THE TAPING: ...
 8. APPROXIMATE DEPTH OF THE TAPING: ...

Well No.	Depth (ft)	Tap Depth (ft)	Remarks
178	1048	3835	
250			

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: Margaret J. Haran

Reason: _____

47-083-4483-TRAC	11/8/84	J.H.
------------------	---------	------

05/03/2024

1) Date: 10-23, 1984
2) Operator's Well No. DAVIS - H-854
3) API Well No. 47 - 085 - 4483-F12
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name EMERSON + BRUNDT RUGH
Address #12 LOCUST AVE
TROY, NY 12180
ii) Name _____
Address _____
iii) Name _____
Address _____

5(i) COAL OPERATOR
Address None
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
Name None
Address _____
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address None

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan 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 Administrator.

- 6) EXTRACTION RIGHTS
Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 7) ROYALTY PROVISIONS
Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No
- If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

WELL OPERATOR HAUGHT, INC.
By David Jackson
Its WELL ADMINISTRATOR
Address 4424 EMERSON AVE
PARKERSBURG, WV 26104
Telephone 304 424 5075

This 23 day of October, 1984.
My commission expires 5-3, 1991.

Deborah L. Conner
Notary Public, Wood County,
State of W.V.

05/03/2024

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

I N F O R M A T I O N S U P P L I E D U N D E R C O D E § 22-4-11(d)

I N L I E U O F F I L I N G L E A S E (S) A N D O T H E R C O N T I N U I N G C O N T R A C T (S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

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

Grantor, lessor, etc. Grantee, lessee, etc. Royalty Book Page

Sue Davis, Anne Ann Davis Hewitt, & Kenneth Hewitt

Varren Pharoah

1/8

136 352

Lease Book
5(22)81



1) Date: October 22, 19 84
2) Operator's Well No. Davis H-854
3) API Well No. 47 State 085 County 4482 Permit

*Margaret Hesse
Office of Oil & Gas
307 Jefferson St
Charleston, WV*

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

XX / 3
Underground storage _____ / Deep _____ / Shallow XX /
Watershed: Devilhole Creek
County: Ritchie Quadrangle: Cairo 7.5

6) WELL OPERATOR Warren Haught, Inc.
Address 4424 Emerson Ave.
Parkersburg, WV 26104

7) DESIGNATED AGENT Warren R. Haught
Address Rt 3 Box 14
Smithville, WV 26178

8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Samuel Hersman
Address P. O. Box 66
Smithville, WV 26178

9) DRILLING CONTRACTOR:
Name Haught, Inc.
Address 4424 Emerson Ave.
Parkersburg, WV 26104

10) PROPOSED WELL WORK: Drill _____ / Drill deeper _____ / Redrill _____ / Stimulate XX /
Plug off old formation _____ / Perforate new formation XX /
Other physical change in well (specify) _____

11) GEOLOGICAL TARGET FORMATION, Devonian
12) Estimated depth of completed well, 4324 feet
13) Approximate strata depths: Fresh, N/A feet; salt, N/A feet.
14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No XX /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	<u>8 5/8</u>	<u>K-55</u>	<u>20#</u>			<u>In Well</u>	<u>1049</u>	<u>178 sacks</u>	Sizes
Coal									Depths set
Intermediate									Perforations:
Production	<u>4 1/2</u>	<u>JR-55</u>	<u>10#</u>			<u>In Well</u>	<u>3835</u>	<u>250 sacks</u>	Top Bottom
Tubing									
Liners									

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.
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 based on those materials.

(For execution by corporation, partnership, etc.)
NAME: _____
By _____
Its _____ Date _____

(For execution by natural persons)
Theresa De Lencastre Date: 11/5/84
(Signature)
Elicia Klein Ingrassia Date: 11/5/84
(Signature)



INSTRUCTIONS TO SURFACE OWNERS

AND

**EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, 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, Article 4 of the W. Va. Code. 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 named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of 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.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- “(1) The proposed well work will constitute a hazard to the safety of persons; or
- “(2) The plan for soil erosion and sediment control is not adequate or effective; or
- “(3) Damage would occur to publicly owned lands or resources; or
- “(4) The proposed well work fails to protect fresh water sources or supplies.”

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

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

[Handwritten signatures and notes, some crossed out with a red X]

05/03/2024
Surface Owner

RECEIVED
SURFACE OWNER'S COPY
NOV 8 - 1984



1) Date: October 22, 1984
2) Operator's Well No: 470 Davis H-854
3) API Well No. 47 State 085 County 4483 Permit

OIL & GAS DIVISION
DEPT. OF MINES STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil XX / Gas XX / B (If "Gas", Production / Underground storage / Deep / Shallow XX)
- 5) LOCATION: Elevation: 935 Watershed: Devilhole Creek
District: Grant County: Ritchie Quadrangle: Cairo 7.5
- 6) WELL OPERATOR MMMM Haught, Inc. 7) DESIGNATED AGENT Warren R. Haught
Address 4424 Emerson Ave. Address Rt 3 Box 14
Parkersburg, WV 26104 Smithville, WV 26178
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR: Haught, Inc.
Name Samuel Hersman Name Haught, Inc.
Address P. O. Box 66 Address 4424 Emerson Ave.
Smithville, WV 26178 Parkersburg, WV 26104
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate XX /
Plug off old formation / Perforate new formation XX /
Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Devonian
- 12) Estimated depth of completed well, 4324 feet
- 13) Approximate strata depths: Fresh, N/A feet; salt, N/A feet.
- 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No XX

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling		
Conductor								Kinds
Fresh water	<u>8 5/8</u>	<u>K-55</u>	<u>20#</u>			<u>In Well</u>	<u>1049</u>	<u>178 sacks</u>
Coal								Sizes
Intermediate								
Production	<u>4 1/2</u>	<u>JR-55</u>	<u>10 1/2#</u>			<u>In Well</u>	<u>3835</u>	<u>250 sacks</u>
Tubing								Depths set
Liners								Perforations:
								Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

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 based on those materials.

(For execution by corporation, partnership, etc.)

NAME: _____
By _____
Its _____ Date _____

(For execution by natural persons)

[Signature] Date: 11/5/84
[Signature] Date: 11/5/84

Vernon Ingersoll
2919 Sourek Road
Akron Ohio 44313

November 6, 1984

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311

RECEIVED
NOV 8 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

TO WHOM IT MAY CONCERN:

On October 26, 1984, my wife and I purchased a tract of land described in the attached copy of the Well Work Permit from Emerson and Beulah Rugh.

We have signed the application and are providing the voluntary statement of no objection to the refracturing of the well as stated, but would like to file comments regarding the well operator, Haught, Inc.

As the owner of adjacent property for the past 13 years, I have had the opportunity to be associated with Haught. The comments I have pertain to reclamation of the land, grading and improper drainage of the roads.

Haught has always extended the provisions for reclamation to the very limit. Timber that was cleared to make way for a drilling site was not stacked as promised, nor did new plantings occur until long after drilling was completed and very near the one year limit allowed by state law.

With regard to grading and drainage, the county roads and right-of-ways that serve this property were not intended to carry the weight or frequency of traffic it has experienced. Although the well tenders try to take road conditions into consideration, washouts and deep rutting are characteristic and make travel hazardous. We would appreciate regular maintenance and proper drainage of the roads by the responsible party and would further recommend the use of all-terrain vehicles for the well tenders to prevent some of the erosion that occurs when roads are soft.

Furthermore, we have experienced improper drainage of sludge at the well sites and at times have noticed obvious contamination of Rock Run Creek which flows across both properties. I am mentioning this to make your department aware that this is occurring and request inspectors at the site to ensure it does not continue to happen.

As I stated, we have no objection to the refracturing of the well, but we do expect some regard for the rights of not only ourselves, but those of neighboring property owners as well. Thank you very much for your concern.

Sincerely,


Vernon Ingersoll

encl.

05/03/2024

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1978-004

DEPT. OF MINES

Date: May 27, 1982

Form IV-35

Operators

Well No. H-854

API Well No. 47-085-4483

REN.

WELL TYPE: Oil Gas Liquid Injection _____ Waste Disposal _____

(If "Gas", Production Underground storage _____ Deep _____ Shallow

LOCATION: Elevation: 935' Watershed: Devil Hole Creek

District: Grant County: Ritchie Quadrangle: Smithville, WV

WELL OPERATOR Haught, Inc. DESIGNATED AGENT Warren R. Haught

Address Route #3, Box 14 Address Smithville, W. Va. 26178

Smithville, W. Va. 26178

PERMITTED WORK: Drill Convert _____ Drill deeper _____ Redrill _____ Fracture or stimulate _____

Plug off old formation _____ Perforate new formation _____

Other physical change in well (specify) _____

PERMIT ISSUED ON _____, 19 _____

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED

Name Deo Mace

Address Route. 1, Box 5

Mar, 3, 19 82

Sandridge, W. Va. 25274

GEOLOGICAL TARGET FORMATION: Devonian Shale Depth 2390-4410 feet

Depth of completed well, 4416 feet Rotary Cable Tools _____

Water strata depth: Fresh, _____ feet; salt, _____ feet.

Coal seam depths: none Is coal being mined in the area? _____

Work was commenced April 9, 19 82, and completed April 16, 19 82

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water	8-5/8	K-55		x		1049	1049	178 sacks
Coal								Sizes
Intermediate								
Production	4 1/2	J-55	10.5	x		3835	250 sacks	Depths set
Tubing								
Liners								Perforations:
								Top Bottom
								3555 - 3628

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JUN - 2 1982

OIL AND GAS DIVISION WV DEPARTMENT OF MINES

OPEN FLOW DATA

Producing formation: Devonian Shale Pay zone depth: 3555-3628 feet

Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d

Final open flow, 145 Mcf/d Final open flow, _____ Bbl/d

Time of open flow between initial and final tests, 36 hours

Chill mud pressure, 360 psi (surface measurement) after 12 hours

05/03/2024

(If applicable due to multiple completions--)

Second producing formation: _____ Pay zone depth: _____ feet

Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d

Final open flow, _____ Mcf/d Final open flow, _____ Bbl/d

TABLES OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL PROPERTIES, ETC.

Nitrogen fraced by B.J. Hughes ----- 1st stage- Open Hole 640,000 Vol.
 2nd stage- 84,000 Vol. 250 Gallons 15%Acid

LL LOG

FORMAT	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of oil, fresh and salt water, coal, oil and gas
Shale			122	145	
Sand			145	158	
Sand & Shale			158	200	
Sand			200	225	
R.R.			225	245	
Shale			245	254	
R.R.			254	260	
Sand & Shale			260	305	
R.R.			305	328	
Slate			328	335	
Sand			335	345	
R.R.			345	365	
Shale			365	385	
Sand			385	400	
Shale			400	420	
R.R.			420	450	
Sand			450	470	
B.Shale			470	475	
Shale			475	495	
R.R.			495	510	
Sand			510	520	
Shale			520	545	
Sand			545	560	
R.R.			560	580	
Shale			580	600	
R.R.			600	615	
Shale			615	620	
R.R.			620	650	
Shale			650	670	
R.R.			670	680	
Sand			680	700	
Shale			700	720	
R.R.			720	740	
Shale			740	750	
Sand			750	760	
R.R.			760	780	
Shale			780	797	
Sand			797	820	
Shale			820	840	
Sand			840	870	
Shale			870	890	
R.R.			890	920	
Sand			920	940	
Shale			940	990	
R.R.			990	1000	
Shale			1000	1028	
Sand			1028	1248	
Shale			1248	1675	
R.R.			1675	1848	
Lime			1848	1943	
Sand			1943	1961	

Haught, Inc.
 Well Operator
 By Warren R. Haught 05/03/2024
 Its Pres.

NOTE: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic listing of geological data for a well, including but not limited to the information recorded in the log book."

<u>FORMATION</u>	<u>TOP FT.</u>	<u>BOTTOM FT.</u>
Lime	1961	2014
Sand	2014	2094
Shale	2094	2143
Sand	2143	2270
Shale	2270	2410
Sand	2410	2423
Shale	2423	2455
Sand	2455	2470
Shale	2470	2547
Shale	2547	2700
Sand	2700	2770
Shale	2770	2886
Sand	2886	3003
Shale	3003	3265
Sand	3265	3286
Shale	3286	3713
Sand	3713	3719
Shale	3719	3774
Sand	3774	3785
Shale	3785	4018
Sand	4018	4028
Shale	4028	4109
Sand	4109	4117
Shale	4117	4324

RECEIVED
JUL 3 - 1985



OIL & GAS DIVISION
DEPT. OF MINES

IV-35
(Rev 8-81)

RECEIVED
MAY 23 1985

State of West Virginia
Department of Mines
Oil and Gas Division

Date May 21, 1985
Operator's Well No. Davis H-854
Farm Ingersoll
API No. 47 - 085 - 4483
FRAC

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil XX / Gas XX / Liquid Injection / Waste Disposal /
(If "Gas," Production XX / Underground Storage / Deep / Shallow XX /)

LOCATION: Elevation: 935 Watershed Devilhole Creek
District: Grant County Ritchie Quadrangle Cairo

COMPANY Haught, Inc.
ADDRESS 4424 Emerson Ave., Parkersburg, WV 26104
DESIGNATED AGENT Warren R. Haught
ADDRESS Rt. 3 Box 14, Smithville, WV 26178
SURFACE OWNER Vernon & Elicia Ingersoll
ADDRESS Sourex Rd., Adkron, Ohio 44313
MINERAL RIGHTS OWNER I.A. Eddy Hr.
ADDRESS c/o Thomas Davis, Harrisville, WV 26362
OIL AND GAS INSPECTOR FOR THIS WORK Samuel Hersman
ADDRESS Smithville, WV 26178

PERMIT ISSUED 11-8-84
DRILLING COMMENCED 11-10-84
REWORK
DRILLING COMPLETED 11-29-84

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8		1049	178 sks
7			
5 1/2			
4 1/2		3835	250 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Depth feet
Depth of completed well 4416' feet Rotary n/a / Cable Tools n/a
Water strata depth: Fresh n/a feet; Salt n/a feet
Coal seam depths: n/a Is coal being mined in the area? NO

OPEN FLOW DATA
Producing formation Big Injun Pay zone depth 1934-2022 feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow 120 Mcf/d Oil: Final open flow 4 Bbl/d
Time of open flow between initial and final tests hours

Static rock pressure No Test psig (surface measurement) after hours shut in
(If applicable due to multiple completion--)

05/03/2024

Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

7
T
4
4
8
3
-
F
R
A
C

Operator's Well No. Davis H-854

API Well No. 47 - 085 - 448
 State County Permi Frac

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

WELL OPERATOR'S REPORT
 OF
INITIAL GAS-OIL RATIO TEST

WELL OPERATOR Haught, Inc.
 Address 4424 Emerson Ave.
Parkersburg, WV 26104

DESIGNATED AGENT Warren R. Haught
 Address Rt. 3 Box 14
Smithville, WV 26178

GEOLOGICAL TARGET FORMATION: Injun Depth _____ feet
 Perforation Interval 1934-2022 feet

GUIDELINES FOR TESTING:

- 1- A minimum of gas vented or flared
- 2- A 24 hour preflow into pipelines or tanks
- 3- Uniform producing rate during the 24 hour test per test period
- 4- Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation 21.01)
- 5- Separate Form IV-36 for each producing formation in a multiple completion

TEST DATA				
START OF TEST-DATE	TIME	END OF TEST-DATE	TIME	DURATION OF TEST
TUBING PRESSURE	CASING PRESSURE	SEPARATOR PRESSURE	SEPARATOR TEMPERATURE	
OIL PRODUCTION DURING TEST bbls.	GAS PRODUCTION DURING TEST Mcf	WATER PRODUCTION DURING TEST & SALINITY bbls. ppm.		
OIL GRAVITY °API	PRODUCING METHOD (Flowing, pumping, gas lift, etc.)			

GAS PRODUCTION		
MEASUREMENT METHOD FLANGE TAP <input type="checkbox"/> PIPE TAP <input type="checkbox"/> L-10 <input type="checkbox"/>	POSITIVE CHOKE <input type="checkbox"/> CRITICAL FLOW PROVER <input type="checkbox"/>	
ORIFICE DIAMETER	PIPE DIAMETER (INSIDE DIAM.)	NOMINAL CHOKE SIZE - IN.
DIFFERENTIAL PRESSURE RANGE	MAX. STATIC PRESSURE RANGE	PROVER & ORIFICE DIAM. - IN.
DIFFERENTIAL	STATIC	GAS GRAVITY (Air-1.0) MEASURED _____ ESTIMATED _____
GAS GRAVITY (Air-1.0)	FLOWING TEMPERATURE	GAS TEMPERATURE _____ °F
24 HOUR COEFFICIENT.	24 HOUR COEFFICIENT _____ PRESSURE - _____ psia	

TEST RESULTS			
DAILY OIL 4 bbls.	DAILY WATER 0 bbls.	DAILY GAS 120 Mcf.	GAS-OIL RATIO 30/1 SCF/STB

Haught, Inc.
 Well Operator
 By: David C. Jackson
 Its: Well Administrator

RECEIVED
 JUL 3 - 1985
 OIL & GAS DIVISION
 DEPT. OF MINES
 05/03/2024

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

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APR 20 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-4483

Oil or Gas Well _____

Company <u>Hought</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>T. Davis</u>	16			
Well No. <u>854</u>	13			
District <u>Grant</u> County <u>Pit</u>	10			
Drilling commenced <u>4-10-82</u>	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			
Volume _____ Cu. Ft.	Liners Used			
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED <u>8 5/8</u> FEET <u>1048'</u> <u>4-11-82</u>			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY <u>Hought</u>			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Rig # 15

Remarks:

4-15-82

DATE

W. M. Mace

05/03/2024

DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location	Amount	Packer	Location	
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE
LOST					

Drillers' Names: _____

Remarks: _____

_____, DATE _____ I hereby certify I visited the above well on this date.

05/03/2024

DISTRICT WELL INSPECTOR



State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

April 2, 1985

Theodore M. Streit
Administrator

Barton B. Lay, Jr.
Director

Haught, Inc.
4424 Emerson Avenue
Parkersburg, WVa. 26104
Attn: Warren Haught

In Re: Permit No: RIT-4483-FRAC
 Farm: Emerson & Beulah Rugh
 Well No: Davis # H-854
 District: Grant
 County: Ritchie
 Issued: 11-8-84

Gentlemen:

Please send an Original and Two Copies of the completion drilling record (IV-35) for the above described well location. This record must be submitted before we can request the district inspector to make a "Final Inspection."

Administrative Regulations - Rule 16.02 Filing of Well Record and related Forms.

(a) Within 90 days after the completion of permitted work, three copies of Form IV-35, "Well Operator's Report of Drilling, Fracturing and/or Stimulating or Physical Change," containing the geological information required by Code 22-4-8b in the form specified shall be filed with the Administrator, Office of Oil & Gas - Dept. Mines.

Sincerely,

Theodore M. Streit
Administrator-Oil & Gas

MS/ chm

P.S. This well was released in error (2-21-85) on reclamation... We need the results after Well was Fractured.....

Well record (with Fracture) received 7-3-85



RECEIVED
FEB 20 1985

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

COMPANY Haught, Inc.
4424 Emerson Avenue
Parkersburg, WV 26104

PERMIT NO 085-4483
FARM & WELL NO DAVIS - H854
DIST. & COUNTY GRANT - Ritchie

oute 3, Box 14, Smithville, WV26178

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.04	Prepared before Drilling to Prevent Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.03	High-Pressure Drilling	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.01	Required Permits at Wellsite	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.03	Adequate Fresh Water Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.02	Adequate Coal Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.01	Adequate Production Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.04	Adequate Cement Strenght	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.05	Cement Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.02	Maintained Access Roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.01	Necessary Equipment to Prevent Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.04	Reclaimed Drilling Pits	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.05	No Surface or Underground Pollution	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.07	Requirements for Production & Gathering Pipelines	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.01	Well Records on Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.02	Well Records Filed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.05	Identification Markings	<input checked="" type="checkbox"/>	<input type="checkbox"/>

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Nike Underwood
DATE 2-14-85

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T.H. v. B.
Administrator-Oil & Gas Division

February 21, 1985

DATE

FERC-121

1.0 API well number: (If not available, leave blank. 14 digits.)	47-085-4483			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA	Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	4416 feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Haught, Inc. Name		Seller Code	
	Route #3, Box 14			
	Smithville City	WV State	26178 Zip Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Grant District Field Name			
	Ritchie County		WV State	
(b) For OCS wells:	N/A Area Name			
	Block Number			
	Date of Lease: Mo. Day Yr.			
	OCS Lease Number			
(c) Name and identification number of this well: (35 letters and digits maximum.)	Thomas R. Davis H-854			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	Devonian Shale			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Roaring Fork Gas Corp. Name		Buyer Code	
(b) Date of the contract:	05 8 2 Mo. Day Yr.			
(c) Estimated annual production:	20 MMcf.			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	DEREGULATED	---	---	---
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	DEREGULATED	---	---	---
9.0 Person responsible for this application:	Warren R. Haught Agent & Co-Owner			
Agency Use Only	Name			
Date Received by Juris. Agency	Signature			
Date Received by FERC	Title			
JUN 2 1982	May 27, 1982			
Date Received by FERC	Date Application is Completed		477-3333 Phone Number	

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's
Well No. H-854

API Well No.

47 - 085 - 4483
State County Permit

WELL CLASSIFICATION FORM
HIGH COST GAS WELL - DEVONIAN SHALE
NGPA Section 107

DESIGNATED AGENT Warren R. Haught

ADDRESS Smithville, WV 26178

LOCATION Elevation 935'

Watershed Devil Hole Creek

Dist. Grant County Ritchie Quad. Cairo

Gas Purchase
Contract No. _____

Meter Chart Code _____

Date of Contract _____

WELL OPERATOR Haught, Inc.

ADDRESS Rt. 3, Box 14
Smithville, WV 26178

GAS PURCHASER Roaring Fork Gas Corp.

ADDRESS 1400 Charleston National Plaza
P.O. Box 3752
Charleston, WV 25337

* * * * *

Date surface drilling began: April 9, 1982

Indicate the bottom hole pressure of the well and explain how this was calculated.

Pws = Pwh $\frac{(.01875)(SG)(D)}{(Z)(T)}$	Bottom Hole Pressure = 397
Pws = Static Bottom Hole Pressure	Pwh = 360
Pwh = Wellhead Pressure	SG = .70
SG = Specific Gravity	D = 3835
D = Depth to center of Perforations	Z = .92
Z = Average Compressibility factor	T = 558
T = Average Temperature (oR)	

AFFIDAVIT

I, Warren R. Haught, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log report described in subparagraph (3)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

Warren R. Haught

STATE OF WEST VIRGINIA

COUNTY OF Ritchie, TO-WIT:

I, Lenna G. Haught, a Notary Public in and for the state and county aforesaid, do certify that Warren R. Haught, whose name is signed to the writing above, bearing date the 10th day of January, 19 83, has acknowledged the same before me, in my county aforesaid.

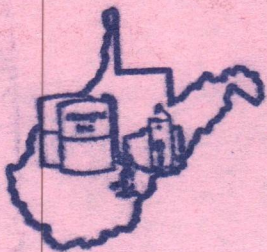
Given under my hand and official seal this 10th day of January, 19 83.

My term of office expires on the 18th day of May, 19 86.

05/03/2024

(NOTARIAL SEAL)

Lenna G. Haught
Notary Public

**HAUGHT, INC.**

4424 Emerson Avenue
Parkersburg, WV 26104
(304) 424-5075

TO: ▷

Emerson + Beulah Haught
212 Locust Ave.
Troy, W. Va. 26180

DATE

10/23/84

SUBJECT

Ref No H-854

Mr. Haught,

We plan to re-fracture a well which we already operate on your property in Putnam Co. W. Va. If you would sign and return the blue copy to us, it would hasten the time needed for us to get the work permit.

RECEIVED

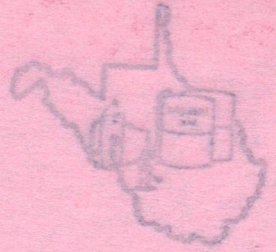
NOV 01 1984

OIL & GAS DIVISION
DEPT. OF MINES

Thank You
Dave Jackson

MEMO

HAUGHT, INC.
4424 Emerson Avenue
Parkersburg, WV 26101
(304) 424-5075



DATE
SUBJECT

to

RECEIVED

1984

DEPT. OF MINES
OIL & GAS DIVISION

November 6, 1984

COPY

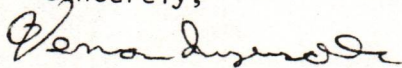
Mr. Warren Haught
Haught, Inc.
4424 Emerson Avenue
Parkersburg, West Virginia 26104

Dear Mr. Haught:

Please let this serve as official notice that the land previously owned by Emerson and Beulah Rugh in the Devil Hole Water Shed, Grant District, Ritchie County, Cairo 7.5 Quadrangle, is now the property of Vernon and Elicia Ingersoll, effective October 26, 1984.

We have signed and enclosed the application for a Well Work Permit, but have forwarded comments to the Oil and Gas Division of the state Department of Mines.

Sincerely,



Vernon Ingersoll

encl.

cc: West Virginia Department of Mines, Administrator of
the Office of Oil and Gas

Vernon & Elicia Ingersoll
2919 Laurel Road
Akron OH 44313

05/03/2024

RECEIVED

NOV 01 1984

OIL & GAS DIVISION
DEPT. OF MINES

FROM: *Naught, Inc.*
7724 Emerson Ave
Pandenburg WV 26104

Customer Number, if any:

TO: *Emerson + Beulah Rugh*
#12 Forest Ave
Troy, NY 12180

* U.S.G.P.O. 1983-400-104 Label 11-B, Apr. 1983

PS Form 3811, July 1982

● **SENDER:** Complete Items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one). .60

Show to whom and date delivered

Show to whom, date, and address of delivery

2. RESTRICTED DELIVERY.....
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$9.95

3. **ARTICLE ADDRESSED TO:**
Emerson + Beulah Rugh, #12 Forest Ave.
Troy, NY 12180

4. TYPE OF SERVICE: <input type="checkbox"/> REGISTERED <input type="checkbox"/> INSURED <input type="checkbox"/> CERTIFIED <input type="checkbox"/> COD <input checked="" type="checkbox"/> EXPRESS MAIL	ARTICLE NUMBER
---	-------------------------------

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE Addressee Authorized agent
B Rugh

5. DATE OF DELIVERY OCT 26 1984	POSTMARK <small>(may be on reverse side)</small> OCT 26 1984
---	---

6. **ADDRESSEE'S ADDRESS (Only if requested)**

7. **UNABLE TO DELIVER BECAUSE:**

7a. **EMPLOYEE'S INITIALS**

RETURN RECEIPT

* GPO: 1982-379-593

EXPRESS MAIL SERVICE

POST OFFICE TO ADDRESSEE

UNITED STATES POSTAL SERVICE

B 49547270

Customer Receipt

EXPRESS MAIL SERVICE

Customer Receipt

ORIGIN:
 Initials of Receiving Clerk: *RR*
 P.O. ZIP Code: *26104*
 Date in (month) (day) (year): *10-24-1984*

Return Receipt Service:
 To Whom & Date Del
 To Whom, Date & Address of Del

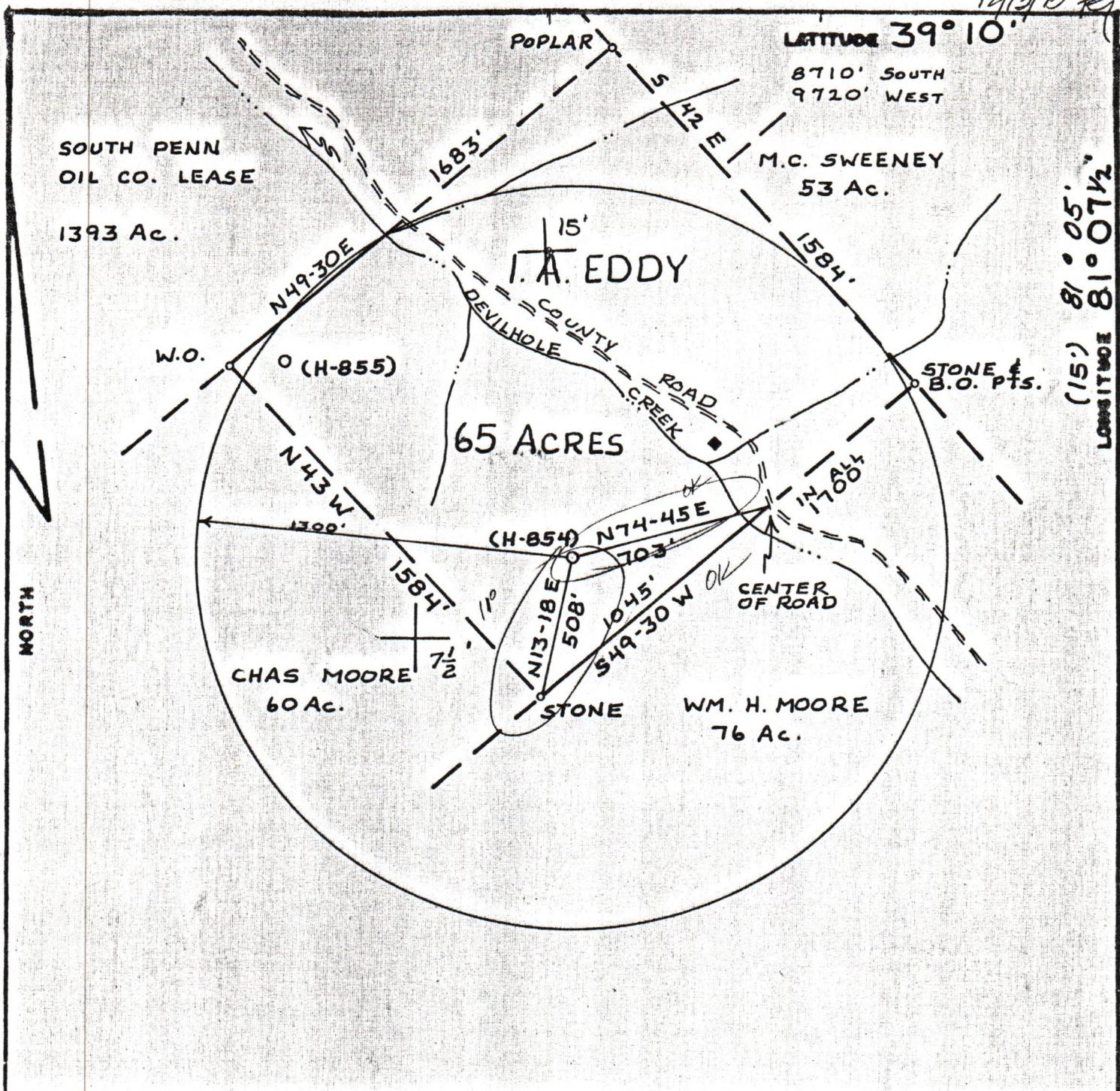
Weight: *1* Lbs
Postage & Fees \$: *9.95*

SERVICE GUARANTEE:
 Domestic mailings under this service made at designated USPS facilities on or before a specified deposit time will be accepted for Express shipment to a designated USPS delivery area having a delivery time of 1-3 business days. If the mailing is not accepted for Express shipment, the carrier will deliver the mailing on or before the time specified by the USPS at mailing. USPS will refund upon application to originating office the postage for any shipments mailed under this service and not meeting the service standard except for those delayed by strike or work stoppage. See **INSURANCE COVERAGE:**
 See USPS Notice 7 on Notice 63 for exclusions of coverage. (1) Document Reconstruction Insurance: Non negotiable documents are insured against loss, damage or rifling up to \$50,000 per piece, subject to a limit of \$500,000 per occurrence. (2) Registered Mail: Insured against loss, damage or rifling up to a maximum of \$500.

• Signature is required upon delivery.
 • Claims for delay, loss, damage or rifling must be made within 90 days. Claim forms may be obtained at the post office of mailing.
 • This receipt must be presented when a claim is filed.


05/03/2024

12/13/20



FILE NO. _____ DRAWING NO. _____ SCALE <u>1"=500'</u> MINIMUM DEGREE OF ACCURACY <u>1:200</u> PROVEN SOURCE OF ELEVATION <u>B.M. ELEV. 719'</u>	I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF MINES. (SIGNED) <u>William R. Moscoe</u> R.P.E. _____ L.L.S. <u>551</u>	PLACE SEAL HERE
---	---	-----------------

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE 26 SEPTEMBER, 1979
 OPERATOR'S WELL NO H-854
 API WELL NO. 47-085-4483-Frac
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 935' WATER SHED DEVILHOLE CREEK
 DISTRICT GRANT COUNTY RITCHIE
 QUADRANGLE CAIRO, W.VA. 7 1/2' QUAD. HARRISVILLE 15'
 SURFACE OWNER RUGH, EMERSON R. & BEULAH ACREAGE 58.7 Ac.
 OIL & GAS ROYALTY OWNER DAVIS, THOMAS J. JR. & ALICE ANN LEASE ACREAGE 58.7 LEASE NO. _____ DATE 05/05/2024
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BIG INJUN ESTIMATED DEPTH 2100'
 WELL OPERATOR Haughton Inc & Sons DESIGNATED AGENT WARREN HAUGHT
 ADDRESS 54424 Emerson Ave ADDRESS SMITHVILLE, W.VA. 26178
Parlarsburg WVA 26164

210' ± 18' EOR 1500' ± 18' (51) RIT 4483 - FRAC

Operator's Well No. H-854

API Well No. 47 - 085 - 4483
State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. _____
(If Applicable)

WELL OPERATOR Haight, Inc.
ADDRESS Rt. 3, Box 14
Smithville, WV 26178

DESIGNATED AGENT Warren R. Haight
ADDRESS Smithville, WV 26178

Gas Purchase Contract No. _____ and Date _____
(Month, day and year)

Meter Chart Code _____

Name of First Purchaser Roaring Fork Gas Corporation
1400 Charleston National Plaza P.O. Box 3752
(Street or P. O. Box)
Charleston WV 25337
(City) (State) (Zip Code)

FERC Seller Code _____ FERC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) 107 Section of NGPA Category Code _____
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

Warren R. Haight Agent
Name (Print) Title

Signature _____

Rt. 3, Box 14
Street or P. O. Box

Smithville, WV 26178
City State (Zip Code)

(304) 477-3333
Area Phone Number
Code

(Certificate of Proof of Service to Purchaser)

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).

The Department of Mines has received a request, for certification of the above described well as meeting the requirements of Section _____ under the Natural Gas Policy Act of 1978. (NGPA); or for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA); or for determination of a seasonally affected well under Section 108 of (NGPA)

All interested parties are hereby notified that on the _____ day of _____, 19____, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. _____

Initial review of information submitted indicates the well is, is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

WEST VIRGINIA DEPARTMENT OF MINES

JUN 2 1982

Date received by _____
Jurisdictional Agency

By [Signature]
Title _____
Director

05/03/2024

DEC. 8 1982

PARTICIPANTS:

DATE: _____

BUYER-SELLER CODE

WELL OPERATOR: Haught, Inc.

FIRST PURCHASER: Rearing Fork Gas Corp.

OTHER: _____

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
820602-107-085-4483
 Use Above File Number on all Communications
 Relating to Determination of this Well

Log checked

QUALIFIED ~~_____~~

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. 7,048.0 Deregulated
- 2. IV-1 Agent Warren R. Haught
- 3. IV-2 Well Permit
- 4. IV-6 Well Plat
- 5. IV-35 Well Record Drilling Deepening
- 6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio
- 7. IV-39 Annual Production _____ years
- 8. IV-40 90 day Production _____ Days off line: _____
- 9. IV-48 Application for certification. Complete?
- 10-17. IV Form 51 - 52 - 53 - 54 - (55) - 56 - 57 - 58 Complete? Affidavit Signed
- 18-28. Other: Survey _____ Logs _____ Geological Charts _____
 Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
 Gas Analyses _____
- (5) Date commenced: 4-9-82 Date completed 4-16-82 Deepened
- (5) Production Depth: 3555-3628
- (5) Production Formation: Devonian Shale
- (5) Final Open Flow: 145 MCF
- (5) After Frac. R. P. 360 # 12 hr.
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: _____
- (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
- (8) Line Pressure: _____ PSIG from Daily Report
- (5) Oil Production: _____ From Completion Report _____
- 10-17. Does lease inventory indicate enhanced recovery being done NO
- 10-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information 05/03/2024
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

JB