

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. H-1326
API Well No. 47 - 085 - 5613
State County Perm

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

LOCATION: Elevation: 1042' Watershed: Wigner Run
District: Murphy County: Ritchie Quadrangle: Smithville 7½'

WELL OPERATOR Haught, Inc.
Address Rt. 3, Box 14
Smithville, WV 26178

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

OIL & GAS ROYALTY OWNER A.W. Flesher Heirs
Address C/O Robert R. Jones
P.O. Box 86
Sandfork, WV 26430

COAL OPERATOR None
Address

SURFACE OWNER Iva Hill Simmons
Address Box 16
Mahone, WV 26402
Acreage 100

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 Deo Mace
Address Rt. 1, Box 5
Sandridge, WV 25325

RECEIVED

MAY - 7 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease XX / other contract / dated Nov. 14, 1977, to the undersigned well operator from Robert R. Jones

[If said deed, lease, or other contract has been recorded:]

Recorded on Nov. 17, 1977, in the office of the Clerk of the County Commission of Ritchie County, West Virginia, in 124 Book 250 at page

PROPOSED WORK: Drill XX / 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.

04/19/2024

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

BLANKET BOND

Haught, Inc.
Well Operator
By Warren R. Haught
Its President

[08-78]

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Haught, Inc.
Address Rt. 3, Box 14
Smithville, WV 26178

GEOLOGICAL TARGET FORMATION, Shale

Estimated depth of completed well, 5000' feet Rotary XX / Cable tools /
Approximate water strata depths: Fresh, feet; salt, feet.
Approximate coal seam depths: None Is coal being mined in the area? Yes / No XX

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	J-55	20#	X		2000' 300	2000' 300	Cement to Surface	
Coal									Sizes
Intermediate						2000	2000		
Production	4 1/2	K-55	10.5#	X			5000'	500 Sacks	Depths set
Tubing									
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-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 **. THIS PERMIT SHALL EXPIRE**
IF OPERATIONS HAVE NOT COMMENCED BY 1-13-83

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.

04/19/2024

Date: , 19

By
Its



IV-9
(Rev 8-81)

DATE 30 APRIL, 1982

WELL NO. H-1326

API NO. 47 - 085 - 5613

State of West Virginia
Department of Mines
Oil and Gas Division
Construction & Reclamation Plan

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

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

Telephone (304) 477-3333

Telephone (304) 477-3333

LANDOWNER IVA HILL SIMMONS

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:

5-4-82

(Date)

Jarrett Newton
(SCD Agent)

ACCESS ROAD

LOCATION

Structure CROSS DRAIN (A)

Structure DIVERSION DITCH (1)

Spacing 45' TO 400' (AS NEEDED)

Material SOIL

Page Ref. Manual 2:4

Page Ref. Manual 2:10

Structure RIP-RAP (STONE-LOGS) (B)

Structure RIP-RAP (2)

Spacing SAME AS CROSS DRAIN

Material ROCK-LOGS

Page Ref. Manual N/A

Page Ref. Manual N/A

Structure DRAINAGE DITCH (C)

Structure _____ (3)

Spacing _____

Material _____

Page Ref. Manual 2:10

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 OR STRAW 2 Tons/acre

Mulch HAY OR STRAW 2 Tons/acre

Seed* KY 31 TALL FESCUE 40 lbs/acre

Seed* KY 31 TALL FESCUE 40 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.

04/19/2024

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.

LOGS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Nitrogen fraced by B.J..Hughes

1st. Stage-- 640,000 SCF
615,000 Vol. 500 Gal.
15% Acid.

LOG

FORMATION	Color	Hard, or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Shale	Gray	Soft	0	47	
Sand	White	Hard	47	56	
Shale	Gray	Soft	56	62	
R.R.	Red	Soft	62	71	
Shale	Gray	Soft	71	106	
R.R.	Red	Soft	106	124	
Sand	White	Hard	124	127	
Shale	Gray	Soft	127	202	
R.R.	Red	Soft	202	227	
Shale	Gray	Soft	227	419	
Sand	White	Hard	419	433	
R.R.	Red	Soft	433	458	
Shale	Gray	Soft	458	786	
Sand	White	Hard	786	793	
Shale	Gray	Soft	793	934	
Sand	White	Hard	934	958	
Shale	Gray	Soft	958	1239	
Sand	White	Hard	1239	1257	
Shale	Gray	Soft	1257	1406	
Sand	White	Hard	1406	1423	
Shale	Gray	Soft	1423	1689	
Sand	White	Hard	1689	1701	
Shale	Gray	Soft	1701	1890	
Lime	White	Hard	1890	1967	
Sand	White	Hard	1967	2092	
Shale	Gray	Soft	2092	2206	
Sand	White	Hard	2206	2218	
Shale	Gray	Soft	2218	2445	
Sand	White	Hard	2445	2461	
Shale	Gray	Soft	2461	2647	
Sand	White	Hard	2647	2673	
Shale	Gray	Soft	2673	2809	
Sand	White	Hard	2809	2822	
Shale	Gray	Soft	2822	3017	
Sand	White	Hard	3017	3028	
Shale	Gray	Soft	3028	3153	
Sand	White	Hard	3153	3177	
Shale	Gray	Soft	3177	3296	
Sand	White	Hard	3296	3319	
Shale	Gray	Soft	3319	3441	
Sand	White	Hard	3441	3454	
Shale	Gray	Soft	3454	3607	
Sand	White	Hard	3607	3622	
Shale	Gray	Soft	3622	3741	
Sand	White	Hard	3741	3772	
Shale	Gray	Soft	3772	3916	
Sand	White	Hard	3916	3931	
Shale	Gray	Soft	3931	4066	
Sand	White	Hard	4066	4083	
Shale	Gray	Soft	4083	4223	
Sand	White	Hard	4223	4231	
Shale	Gray	Soft	4231	4309	
Sand	White	Hard	4309	4336	
Shale	Gray	Soft	4336	4552	

04/19/2024

Regulation 5.01(1) provides as follows:

"The well log on well log shall be a detailed description of all formations, including their thickness, color, texture, and other characteristics."

Well Operator

By

Its

FORM IV-35
Obverse

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Operator's
No. H-1326

108-78

WELL OPERATOR'S REPORT

API well No. 47 - 085 - 56
Date of entry per

DRILLING, FRACURING AND OR STIM LACING, A PHYSICAL CHANGE

5613

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

LOCATION: Elevation: 1042' Watershed: Wigner Run
District: Murphy County: Ritchie Quadrangle: Smithville, WV

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

PERMITTED WORK: Drill / Convert _____ / Drill deeper _____ / Redrill _____ / Fracture to stimulate _____
Plug off old formation _____ / Perforate new formation _____ /
Other physical change in well (specify) _____

PERMIT ISSUED ON May 7, 1982

OIL & GAS INSPECTOR FOR THIS WORK:
Name DEO Mace
Address Rt. 1, Box 5
Sandridge, WV 25325

(IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
_____, 19____

GEOLOGICAL TARGET FORMATION: Devonian Shale Depth 4336-4552 feet
Depth of completed well, 4552 feet Rotary / Cable Tools _____
Water strata depth: Fresh, _____ feet; salt, _____ feet.
Coal seam depths: None Is coal being mined in the area? No
Work was commenced May 25, 1982, and completed May 31, 1982

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	TANKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water	7" casing		17#	x		1280'	1280'	250 sacks
Coal								Sizes
Intermediate								
Production	4 1/2"	J-55	10.5#	x			4508'	Depth set
Tubing								
Liners								Perforations:

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JUL 6 - 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

312-4474

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 4312-4474 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, 3,500 Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, 8 hours
Static rock pressure, 1000 psi (surface measurement) after 12 hours

04/19/2024

Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, _____ Mcf/d Final open flow, _____ Bbl/d

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

RECEIVED

AUG 15 1983

FINAL INSPECTION REQUEST

INSPECTOR'S COMPLIANCE REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 085 5613 County Ritchie
 Company ~~Jerry~~ Haught Inc Farm Flogher
 Inspector Jerry L. Tephahol Well No. _____
 Date 8 10 83

RULE	DESCRIPTION	IN COMPLIANCE	
		Yes	No
23.06	Notification Prior to starting Work	_____	_____
25.04	Prepared before Drilling to prevent waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strength	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to prevent Waste	_____	_____
23.03	Reclaimed Drilling Site	_____ ✓	_____
23.04	Reclaimed Drilling Pits	_____ ✓	_____
23.05	No surface or underground Pollution	_____ ✓	_____
7.03	Identification Markings	_____ ✓	_____

COMMENTS: Release

I have inspected the above well and (HAVE) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED: Jerry L. Tephahol
 DATE: 8 10 83

04/19/2024



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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

August 24, 1983

Haught, Inc.
4424 Emerson Avenue
Parkersburg, W. Va. 26101

Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

<u>PERMIT NUMBER</u>	<u>FARM AND WELL NUMBER</u>	<u>DISTRICT</u>
RIT-5085	G. W. Hammer/Jack Bonner, #H-1213	Murphy
RIT-5613	A. W. Fleisher Heirs/Iva Hill Simmons, #H-1326	Murphy
RIT-5649-REN	John & Nina Scott/H. S. Wilson, #H-1331	Grant
RIT-6034	A. M. Douglas Heirs/Doy Cornell, #H-1363	Grant
RIT-6088	Creed Hendrickson/Ora M. Sams, #H-828	Murphy
RIT-6098	Warren R. Haught, #H-1366	Murphy
RIT-6239	A. M. Douglas Estate/Doy Cornell, #H-1372	Grant
RIT-6240	A. M. Douglas Estate/L. G. Morris, #H-1373	Grant
RIT-6410	N. M. Welch/W. R. Hays Estate, #H-1410	Murphy
RIT-6411	N. M. Welch/W. R. Hays Estate, #H-1411	Murphy

In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.....

Very truly yours,

Theodore M. Streit, Administrator
Office of Oil & Gas-Dept. Mines

04/19/2024

RECEIVED
JUL 06 1982

40121

47-085-5613

OIL & GAS DIVISION
DEPT. OF MINES

1.0	Well number (If not available, leave blank. 14 dig. ts.)	47-085-5613			
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.)	1042' feet			
4.0	Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Name Haught, Inc. Warren R. Haught, Agent		Seller Code	
		Street Smithville, WV		26178 Zip Code	
		City		State	
5.0	Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Murphy District Field Name			
		Ritchie County		WV State	
	(b) For OCS wells:	N/A Area Name			
		Date of Lease: Mo. Day Yr.		Block Number OCS Lease Number	
	(c) Name and identification number of this well: (35 letters and digits maximum.)	A.W. Flesher Heirs H-1326			
	(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.)	Cabot Corporation Name			
				Buyer Code	
	(b) Date of the contract:	015 11 018 12 Mo. Day Yr.		RF1-532	
	(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 Name Title			
	Agency Use Only	Signature Warren R. Haught			
	Date Received by Juris. Agency	July 2, 1982		477-3333 Phone Number	
	Date Received by FERC				

04/19/2024

DEC. 22 1982

BUYER (OWNER) CODE

REGISTRATION NO.:

WELL OPERATOR:

Haught, Inc.

FIRST PURCHASER:

Cabot Corp.

OTHER:

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
920706 -107-085-5613
 Use Above File Number on all Communications
 Relating to Determination of this Well

~~WRONG AFFIDAVIT~~

Appeal

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

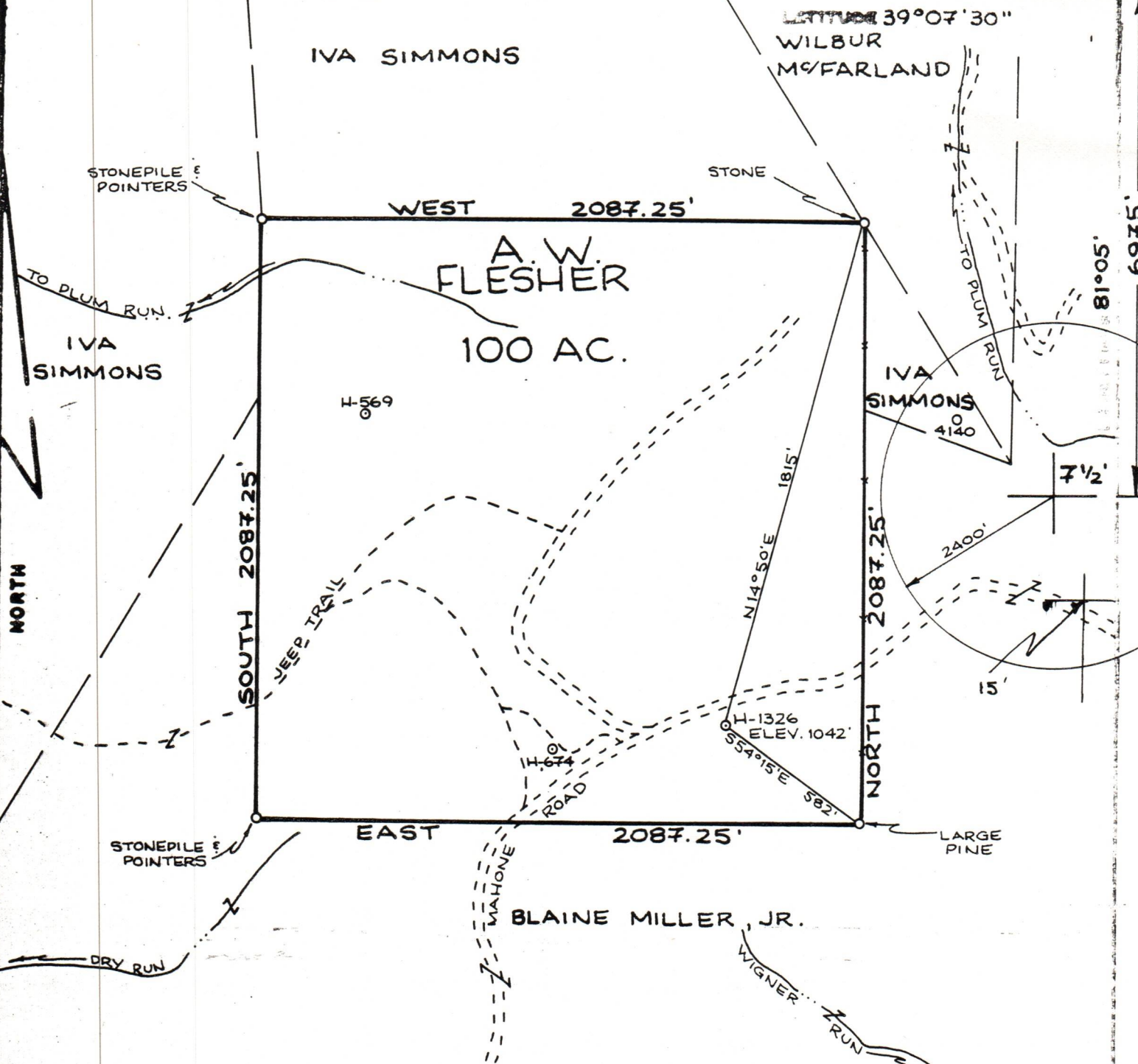
- 1. FERC -121 Items not completed - Line No. 2048.0 Deregulated
- 2. IV-1 Agent Warren R. Haught
- 3. IV-2 Well Permit
- 4. IV-6 Well Plat
- 5. IV-35 Well Record Drilling Deepening
- 6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio
- 7. IV-39 Annual Production years
- 8. IV-40 90 day Production 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: 5-25-82 Date completed 5-31-82 Deepened
- (5) Production Depth: 4312-4474
- (5) Production Formation: Devonian Shale
- (5) Final Open Flow: 3500 MCF
- (5) After Frac. R. P. 1000# 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 Rep.
- (9) 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? yes
- Additional information Does computer program confirm?
- Was Determination Objected to By Whom?

04/19/2024

7B

5/11/82

900'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION RD. INT. ELEV. 1048'

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) _____
 R.P.E. _____ L.L.S. 551

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-79)



DATE 30 APRIL 1982
 OPERATOR'S WELL NO. H-1326
 API WELL NO. 47-085
 STATE COUNTY PERMIT 5613

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1042' WATER SHEET WIGNER RUN
 DISTRICT MURPHY COUNTY RITCHIE
 QUADRANGLE SMITHVILLE 7 1/2' QUAD.
 SURFACE OWNER IVA HILL SIMMONS ACRES 100
 OIL & GAS ROYALTY OWNER A.W. FLESHER LEASE ACRES 100
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION SHALE ESTIMATED DEPTH 5000'
 WELL OPERATOR HAUGHT, INC. DESIGNATED AGENT WARREN HAUGHT
 ADDRESS SMITHVILLE, W.VA. 26178 ADDRESS SMITHVILLE, W.VA. 26178

04/19/2024

DEPARTMENT OF MINES OIL AND GAS DIVISION

Operator's
Well No. H-1326

API Well No.
47 - 085 - 5613
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 1042'

Watershed Wigner Run

WELL OPERATOR Haught, Inc.

ADDRESS Rt. 3, Box 14
Smithville, WV 26178

Dist. Murphy County Ritchie Quad. Smithville

GAS PURCHASER Cabot Corporation

ADDRESS P.O. Box 1473
Charleston, WV 25325

Gas Purchase
Contract No. RF1-532

Meter Chart Code _____

Date of Contract May 10, 1982

* * * * *

Date surface drilling began: 5-25-82

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

Pws = Pwh e $\frac{(.01875)(SG)(D)}{Z T}$	Bottom Hole Pressure = 1100
Pws = Static Bottom Hole Pressure	Pwh = 1000
Pwh = Wellhead Pressure	SG = .70
SG = Specific Gravity	D = 4444
D = Depth to center of Perforations	Z = .94
Z = Average Compressibility factor	T = 664
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 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 2nd day of July, 1982, has acknowledged the same before me, in my county aforesaid. 04/19/2024

Given under my hand and official seal this 2nd day of July, 1982.
My term of office expires on the 18th day of May, 1986.

(NOTARIAL SEAL)

Lenna G. Haught
Notary Public