

RECEIVED
SEP 12 1985



1) Date: August 26, 1985

2) Operator's Well No. Sturm #1

3) API Well No. 47-049-0818
State _____ County _____ Permit _____

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

- 4) WELL TYPE: A Oil / Gas _____
B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow _____)
- 5) LOCATION: Elevation: 937' Watershed: BOOTH'S CREEK
District: Grant 2 County: Marion Quadrangle: Fairmont West 373
- 6) WELL OPERATOR Haddad & Brooks, CODE: 20450 7) DESIGNATED AGENT Henry M. Parsons
Address P.O. Box 714, 905 Washington Rd. Address 121 Glenview Drive
Washington, PA 15301-1153 New Martinsville, WV 26155
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Donald Ellis 9) DRILLING CONTRACTOR: Name Not yet known
Address 2604 Crabapple Lane Address _____
Fairmont, WV 26554
- 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, Fifth Sandstone
- 12) Estimated depth of completed well, 2670' feet
- 13) Approximate trata depths: Fresh, 897' feet; salt, N/A feet.
- 14) Approximate coal seam depths: 57', 782', 922' 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	11 3/4"	H-40	38#		X	40'	40'		Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8"	J-55	23#	X		1100'	1100'	300 sacks	CTS by rule 45.0 Depths set
Production	4 1/2"	J-55	10.5#	X			2670'	150 sacks	
Tubing									Perforations:
Lin.									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-049-0818

October 2 19 85
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 October 2, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>GB</u>	Plat: <u>MJM/MJ/12022</u>	Casing	Fee	WPCP <input checked="" type="checkbox"/>	S&E <input checked="" type="checkbox"/>	Other
---	------------------	---------------------------	--------	-----	--	---	-------

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

[Signature]
Director, Division of Oil and Gas

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

12/08/2023

OFFICE USE ONLY

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

Booths Creek
 20450
 131 Glenview Drive
 New Martinsville, WV 26155
 Not yet known
 2044 Grapdale Lane
 Fairmont, WV 26554
 Donald Ellis
 Washington, PA 15301-1153
 P.O. Box 114, 805 Washington Rd.
 Haddad & Brooks
 Grant

OFFICE USE ONLY

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

	Date	Date(s)
Application received		Follow-up inspection(s)
Well work started		" "
Completion of the drilling process		" "
Well Record received		" "
Reclamation completed		" "

OTHER INSPECTIONS

Reason: _____

Reason: _____

WW-9

RECEIVED
SEP 12 1985



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of ENERGY
Oil and Gas Division

DATE August 16, 1985

WELL NO. Sturm #1

API NO. 47 - 049 - 0818

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Haddad and Brooks, Inc.

DESIGNATED AGENT Henry M. Parsons

Address P.O. Box 714, Washington, PA 15301-1153

Address 121 Glenview Dr., N. Martinsville, WV 26155

Telephone 412-228-8811

Telephone 304-455-3472

LANDOWNER Howard and Kathryn Sturm
Karl and Regina Shaver

SOIL CONS. DISTRICT Monongahela

Revegetation to be carried out by Haddad and Brooks, Inc. (Agent)

This plan has been reviewed by Monongahela SCD. All corrections and additions become a part of this plan:

August 21, 1985
(Date)
Earl H. Kern, Jr.
(SCD Agent)

ACCESS ROAD

LOCATION

Structure 24" Culvert Pipe 30' Long (A)
Spacing _____
Page Ref. Manual 2:3, 2:4, 2:5

Structure Drilling Pit (1)
Material Earthen (Plastic Lined)
Page Ref. Manual _____

Structure Cross Drains (B)
Spacing As required
Page Ref. Manual 2:1, 2:4

Structure _____ (2)
Material _____
Page Ref. Manual _____

Structure _____ (C)
Spacing _____
Page Ref. Manual _____

Structure _____ (3)
Material _____
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

Lime 2 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* Annual Rye Grass 30 lbs/acre
KY 31 Tall Fescue 40 lbs/acre
_____ lbs/acre

Treatment Area II

Lime 2 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* Annual Rye Grass 30 lbs/acre
KY 31 Tall Fescue 40 lbs/acre
_____ lbs/acre

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

PLAN PREPARED BY James H. Cropp

ADDRESS P.O. Box 714, 905 Washington Road
Washington, PA 15301-1153

PHONE NO. 412-228-8811

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

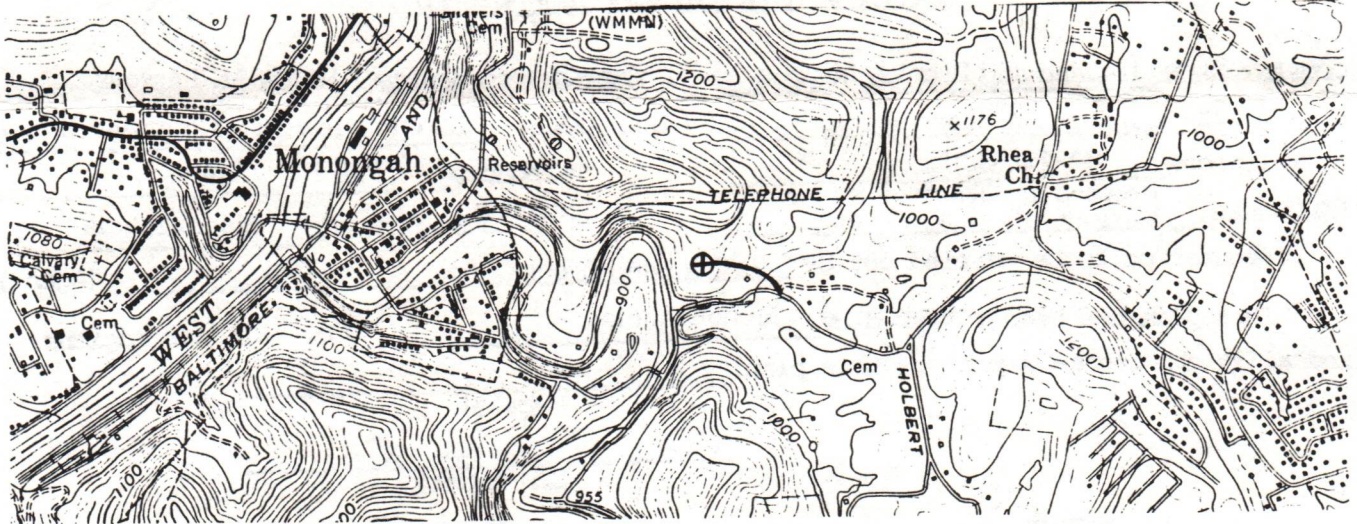
received
8/19/85

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Fairmont West 7 1/2'

LEGEND

Well Site ⊕

Access Road ———

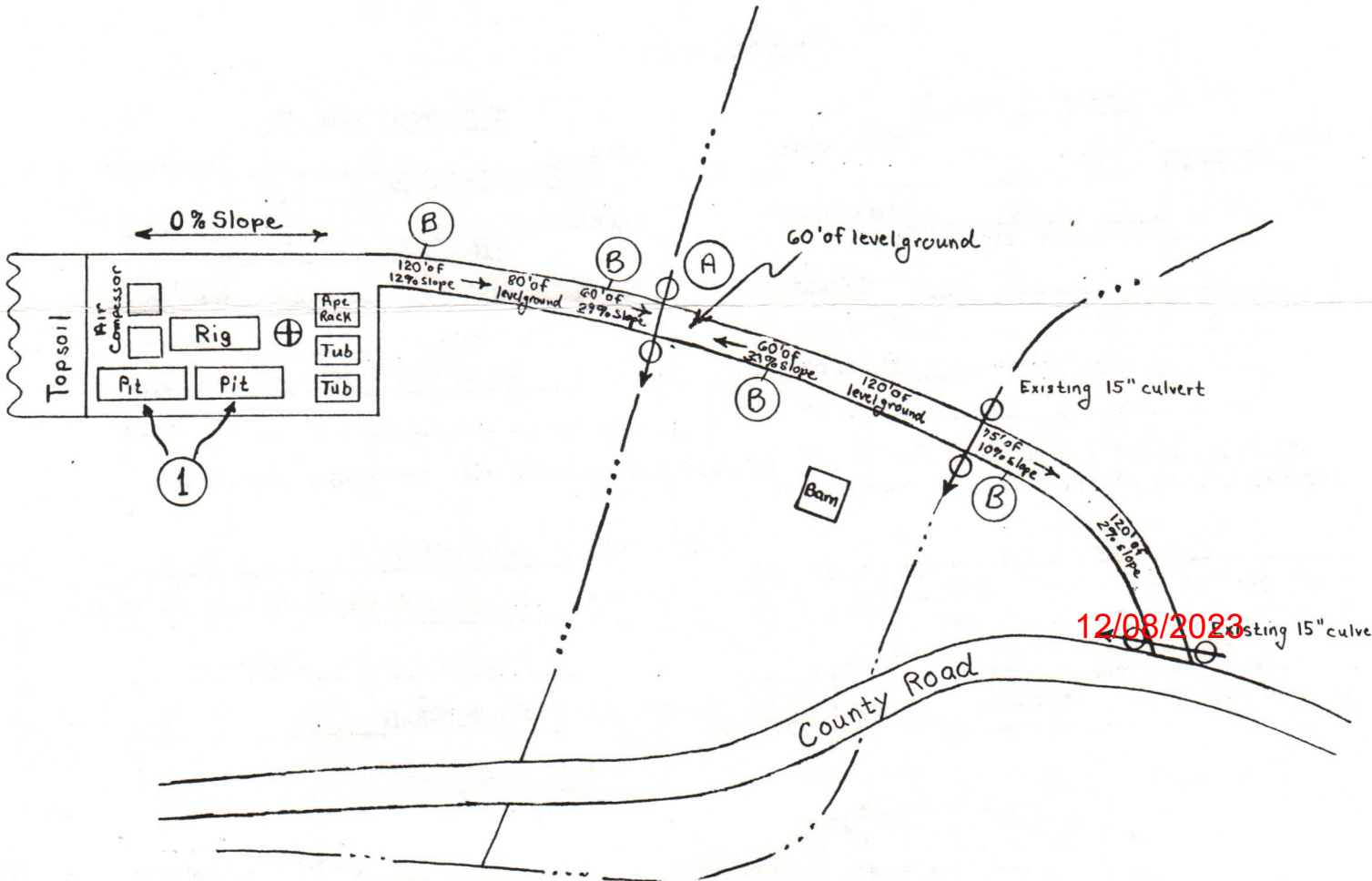


WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, well site, 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 — x — x —	Wet spot ☼
Planned fence — / — / —	Building ■
Stream ~ ~ ~ ~ ~	Drain pipe — ○ — ○ — ○ —
Open ditch — ···· — ···· — ···· —	Waterway ⇐ = = = = ⇒





DATE November 19, 1985

WELL NO. Sturm #1

API NO. 47 - 049 - 818

RECEIVED
NOV 25 1985
State of West Virginia
Department of ENERGY
Oil and Gas Division

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
CONSTRUCTION AND RECLAMATION PLAN
Revised

COMPANY NAME Haddad & Brooks, Inc. DESIGNATED AGENT Henry M. Parsons
Address P.O. Box 714, Washington, PA 15301-1153 Address 121 Glenview Dr., N. Martinsville, WV 26155
Telephone 412-228-8811 Telephone 304-455-3472
LANDOWNER Howard and Kathryn Sturm SOIL CONS. DISTRICT Monongahela
Karl and Regina Shaver
Revegetation to be carried out by Haddad and Brooks, Inc. (Agent)

This plan has been reviewed by Monongahela SCD. All corrections and additions become a part of this plan:

(Date)

(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>16" Culvert</u> (A)	Structure <u>Drilling Pit</u> (1)
Spacing _____	Material <u>Earthen</u>
Page Ref. Manual <u>2:3, 2:4, 2:5</u>	Page Ref. Manual _____
Structure <u>36" Culvert</u> (B)	Structure _____ (2)
Spacing _____	Material _____
Page Ref. Manual <u>2:3, 2:4, 2:5</u>	Page Ref. Manual _____
Structure <u>Diversion</u> (C)	Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual <u>1:10</u>	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	
Lime <u>2</u> Tons/acre	or correct to pH <u>6.5</u>
Fertilizer <u>600</u> lbs/acre	(10-20-20 or equivalent)
Mulch <u>Hay</u> 2 Tons/acre	
Seed* <u>Annual Rye Grass</u> 30 lbs/acre	
<u>KY 31 Tall Fescue</u> 40 lbs/acre	
_____ lbs/acre	

Treatment Area II	
Lime <u>2</u> Tons/acre	or correct to pH <u>6.5</u>
Fertilizer <u>600</u> lbs/acre	(10-20-20 or equivalent)
Mulch <u>Hay</u> 2 Tons/acre	
Seed* <u>Annual Rye Grass</u> 30 lbs/acre	
<u>KY 31 Tall Fescue</u> 40 lbs/acre	
_____ lbs/acre	

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

PLAN PREPARED BY James H. Cropp
ADDRESS P. O. Box 714, 905 Washington Road
Washington, PA 15301-1153
PHONE NO. 412-228-8811

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

Landowners Approval:
Howard Sturm
Howard Sturm
Karl S. Shaver
Karl Shaver

David R. Bell
Oil & Gas Insp.

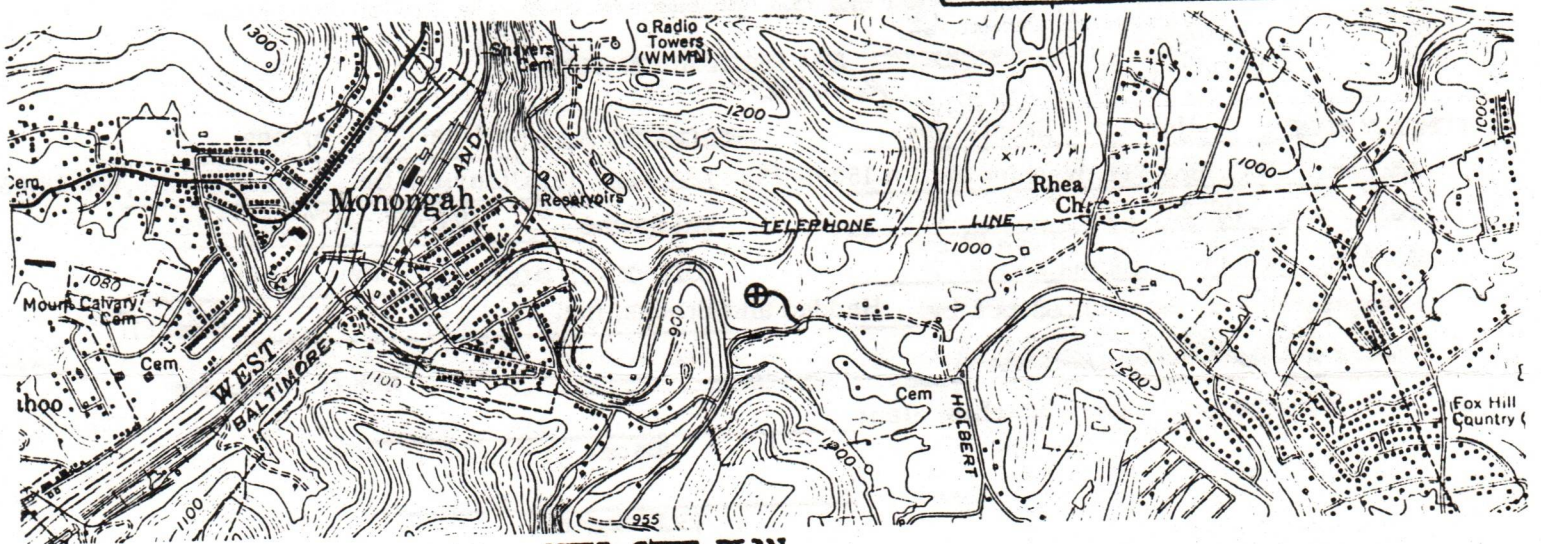
12/08/2023

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE Fairmont West 7 1/2'

LEGEND

Well Site ⊕

Access Road ———

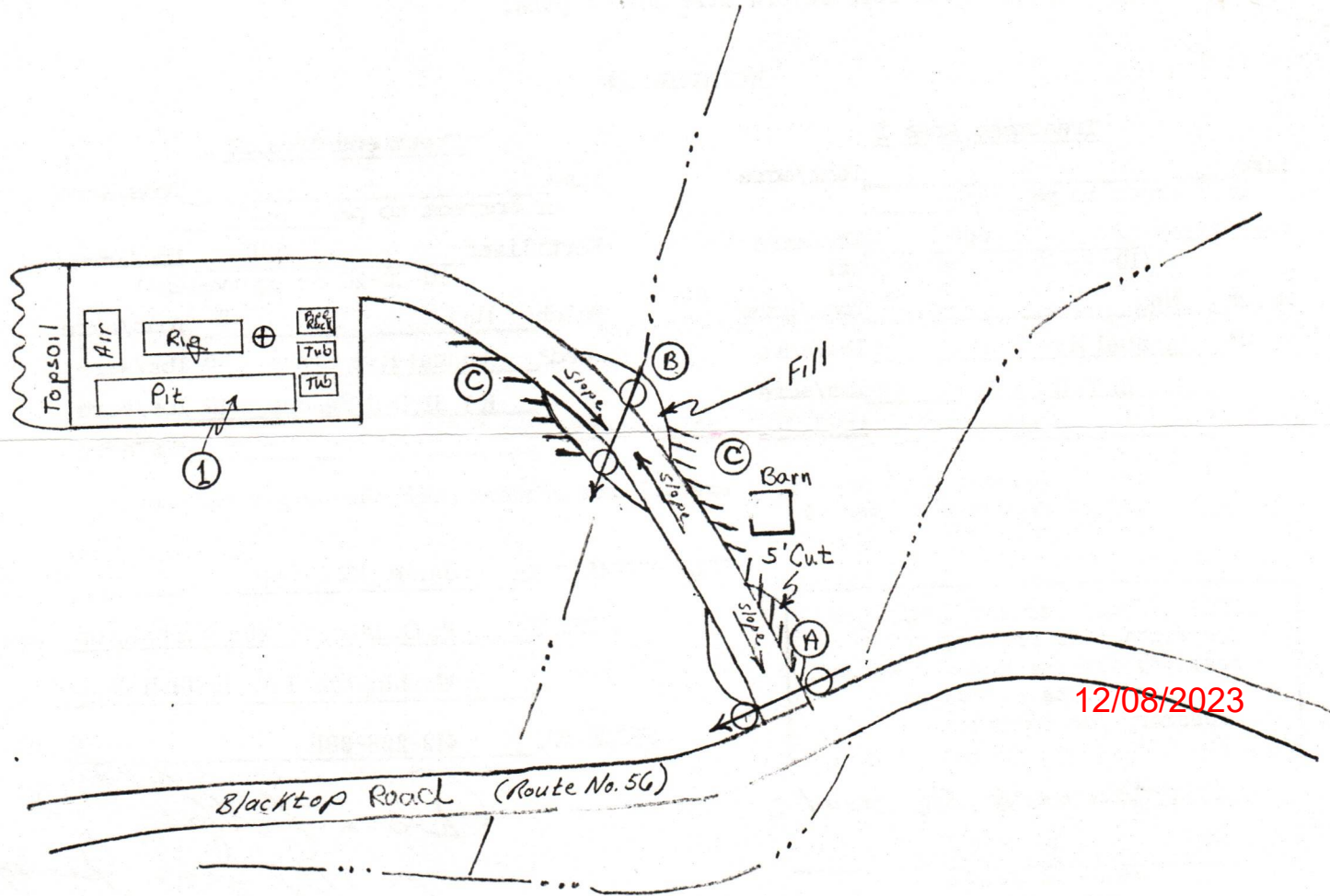


WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, well site, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

<p>Property boundary ————</p> <p>Road = = = = =</p> <p>Existing fence — x — x —</p> <p>Planned fence — / — / —</p> <p>Stream ~ ~ ~ ~ ~</p> <p>Open ditch ———→</p>	<p>Diversion // // // //</p> <p>Spring ○ →</p> <p>Wet spot ☼</p> <p>Building ■</p> <p>Drain pipe — ○ — ○ — ○ — →</p> <p>Waterway ⇐ = = = =</p>
---	--



HB

TELEPHONE
(412) 228-8811

HADDAD AND BROOKS, INC.
905 WASHINGTON ROAD
P.O. BOX 714
WASHINGTON, PENNSYLVANIA 15301-1153

November 22, 1985

RECEIVED
NOV 25 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Energy
Division of Oil and Gas
307 Jefferson Street
Charleston, WV 25305

Re: Sturm No. 1 Well
Permit No. 47-049-818

Gentlemen:

Please find enclosed a revised Construction and Reclamation Plan for our Sturm No. 1 well in Marion County, West Virginia. This revised plan is being submitted to you due to a change in the location of our access road. It was necessary that we change the access when we learned that our previously planned access crossed over a major water line that runs through the property. The water line is very old and has the potential to cause significant damage and affect several communities if it were to be accidentally crushed or broken.

Work has already begun on this site with the approval of Donald Ellis, West Virginia Oil and Gas Inspector. Please note the signatures of approval by the landowners and Mr. Ellis at the bottom of the front page of the plan. Copies of this revised plan are being submitted to the landowners, Donald Ellis, Monongahela SCD, Oil and Gas Division, and Water Resources Division.

Very truly yours,

HADDAD AND BROOKS, INC.



James H. Cropp

JHC:khd
Enclosure

1) Date: August 26, 19 85
Operator's _____
2) Well No. Sturm #1
3) API Well No. 47 - 049 - 0818
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name Howard Sturm
Address 97 Sabraton Avenue
Fairmont, WV 26554

(ii) Name Karl S. Shaver, Jr.
Address 26 Outlook Road
Fairmont, WV 26554

(iii) Name _____
Address _____

5 (i) COAL OPERATOR None
Address _____

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

Name _____
Address _____

5 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

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 WW-2(B) 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 WW-6, and
- (3) The Construction and Reclamation Plan on Form WW-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 WW-2(B) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B 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 Director of the Division of Oil and Gas, with respect to a well at the location described on attached Application and depicted on attached Form WW-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 Director of the Division of Oil and Gas.

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 22B-1-8(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 WW-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

this 4th day of September, 1985,
My commission expires _____, 19____.

Notary Public, _____ County,
State of _____
MY COMMISSION EXPIRES MAY 25, 1989
Member, Pennsylvania Association of Notaries

WELL OPERATOR Haddad and Brooks, Inc.
By [Signature]
Its President
Address P.O. Box 714, 905 Washington Road
Washington, PA 15301-1153
Telephone 412-228-8811

12/08/2023

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 Division 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 §22B-1-9(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, ii(i)) See Code §22B-1-36.
- 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 §22B-1-6 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 §22B-1-2C and the reclamation required by Code §22B-1-30 and Regulation 23; (iv) unless previously paid on the same well, the fees required by Code §22B-1-2(c) and 22B-1-29, and (v) if applicable, the consent required by Code §22B-1-21 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 § § 22B-1-9, 22-B-1-13 and 22B-1-14.

INFORMATION SUPPLIED UNDER CODE §22B-1-8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(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:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book</u>	<u>page</u>
Karl S. & Regina D. Shaver, Jr. and Howard & Katheryn Sturm	Haddad & Brooks	1/8	847	131

12/08/2023

RECEIVED
SEP 12 1985

SITE REGISTRATION APPLICATION FORM
STATE OF WEST VIRGINIA/NPDES GENERAL PERMIT FOR OIL AND GAS
DRILLING PIT WASTE DISCHARGE
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1. Company Name Haddad and Brooks, Inc.
2. Mailing Address 905 Washington Road, P.O. Box 714, Washington, PA 15301-1153
3. Telephone 412-228-8811 street city state zip
4. Well Name Sturm #1
5. Latitude 14,600' south of 39°30' Longitude 9750' west of 80°10'
6. NPDES # WV0073343 7. Dept. Oil & Gas Permit NO. 47-049-0818
8. County Marion 9. Nearest Town Monongah
10. Nearest Stream Unnamed 11. Tributary of Booth's Creek and West Fork River
12. Will Discharge be Contracted Out? yes X no
13. If Yes, Proposed Contractor Unknown at this time
Address
Telephone

14. Proposed Disposal Method: UIC Land application X
Off Site Disposal Reuse Centralized Treatment
Thermal Evaporation Other

15. Attach to this application a topographic map (a duplicate of the one submitted to the Office of Oil and Gas) showing the outline of the facility, location of wells, springs, rivers and other surface water bodies, and drinking water wells known to the applicant in the area of the lease that may be impacted by any land application.

Nothing in the general permit shall be deemed in any way to create new, or enlarge existing, rights of riparian owners or others. Neither does anything in the general permit create new, or enlarge existing, obligations or duties of an operator pursuant to the requirements of W. Va. Code S22-4-1 et seq. The issuance of the general permit does not convey any property rights of any sort. Nor shall the issuance of the general permit give rise to any presumptions of law or findings of fact inuring to or for the benefit of persons other than the State of West Virginia.

12/08/2023

RECEIVED
SEP 12 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.
2. Restricted Delivery.

3. Article Addressed to:
Mr. Howard Sturm
97 Sabraton Ave.
Fairmont, WV 26554

4. Type of Service: Article Number
 Registered Insured
 Certified COD P-047-042-071
 Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
Howard Sturm

6. Signature - Agent
X

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

9/4 510

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.
2. Restricted Delivery.

3. Article Addressed to:
Mr. Karl S. Shaver, Jr.
26 Outlook Road
Fairmont, WV 26554

4. Type of Service: Article Number
 Registered Insured
 Certified COD P-047-042-072
 Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
Karl S. Shaver

6. Signature - Agent
X SEP 09 1985

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

9/4 510

12/08/2023

RECEIVED
MAR 26 1986

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY



State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date March 4, 1986
Operator's #1
Well No. _____
Farm Sturm
API No. 47 - 049 - 0818

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

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

LOCATION: Elevation: 937' Watershed Booths Creek
District: Grant County Marion Quadrangle Fairmont West

COMPANY Haddad and Brooks, Inc.
ADDRESS P.O. Box 714, Washington, PA 15301-1153
DESIGNATED AGENT Henry M. Parsons
ADDRESS 121 Glenview Drive, N. Martinsville, WV 26155
SURFACE OWNER Howard Sturm & Karl Shaver
ADDRESS Fairmont, WV 26554
MINERAL RIGHTS OWNER Howard Sturm & Karl Shaver
ADDRESS Fairmont, WV 26554
OIL AND GAS INSPECTOR FOR THIS WORK Donald Ellis
2604 Crabapple Lane
ADDRESS Fairmont, WV 26554
PERMIT ISSUED October 2, 1985
DRILLING COMMENCED November 27, 1985
DRILLING COMPLETED December 5, 1985
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON December 16, 1985

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 16 Cond.	40'	40'	Not Cemented
11 3/4"	144'	144'	Cemented to Surface
9 5/8			
8 5/8	1149'	1149'	Cemented to Surface
7			
5 1/2			
4 1/2	2692'	1522'	Top of Cement At 1230'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Fifth Sandstone Depth 2590 feet
Depth of completed well 2722 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 180 feet; Salt None feet
Coal seam depths: Open Mine 107-113' Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Fifth Sandstone Pay zone depth 2589-2633' feet
Gas: Initial open flow 75 Mcf/d Oil: Initial open flow 3 Bbl/d
Final open flow 20 Mcf/d Final open flow 3 Bbl/d
Time of open flow between initial and final tests 6 hours
Static rock pressure 740 psig (surface measurement) after 48 hours shut in
(If applicable due to multiple completion--)
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 12/08/2023 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)

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

Fracture treatment on 12/13/85.

Perforated Fifth Sandstone with 18 holes (2600-2619').
Treated with 467,000 SCF of Nitrogen and 41,800 pounds of sand.

Well was plugged and abandoned on 12/17/85. Cement plugs set at 1070' to 1170' and 0 to 100' ~~4~~ 2620' to 2495'.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
KB to GL			0	10'	
Sand and Shale			10'	107'	
Open Mine			107'	113'	
Sand and Shale			113'	1056'	1/2" stream of water 180'
Salt Sand			1056'	1147'	
Sand and Shale			1147'	1506'	
Greenbrier			1506'	1560'	
Big Injun			1560'	1710'	
Sand and Shale			1710'	2052'	
Gantz			2052'	2110'	
Shale			2110'	2124'	
Fifty-Foot			2124'	2200'	Show of Gas
Sand and Shale			2200'	2224'	
Thirty-Foot			2224'	2250'	
Sand and Shale			2250'	2451'	
Fourth			2451'	2534'	
Shale			2534'	2589'	
Fifth			2589'	2633'	Show of gas
Shale			2633'	2722'	
Total Depth				2722'	

(Attach separate sheets as necessary)

Haddad and Brooks, Inc.

Well Operator

By:

James J. Rupp

Date:

3/4/86

12/08/2023

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ..., encountered in the drilling of a well."

RECEIVED
MAR 26 1986



1) Date: March 17, 19 86
2) Operator's Well No. Sturm #1
3) API Well No. 47 - 049 - 0818 - P
State County Permit

STATE OF WEST VIRGINIA
DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

APPLICATION FOR A PERMIT TO PLUG AND ABANDON A WELL

- 4) WELL TYPE: A Oil / Gas _____ / Liquid injection _____ / Waste disposal _____
B (If "Gas", Production _____ / Underground storage) _____ / Deep _____ Shallow _____)
- 5) LOCATION: Elevation: 937' / Watershed: Booths Creek
District: Grant / County: Marion / Quadrangle: Fairmont West 343
- 6) WELL OPERATOR Haddad & Brooks, Inc. CODE 20450 / 7) DESIGNATED AGENT Henry M. Parsons
Address 905 Washington Road / Address 121 Glenview Drive
Washington, PA 15301-1153 / New Martinsville, WV 26155
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED / 9) PLUGGING CONTRACTOR
Name Donald Ellis / Name S. W. Jack Drilling Company
Address 2604 Crabapple Lane / Address P. O. Box 48
Fairmont, WV 26554 / Buckhannon, WV 26201

10) WORK ORDER: The work order for the manner of plugging this well is as follows:
 Pump 6% gel down 4 1/2" casing from TD to below perforations in Fifth Sandstone. Spot cement plug from 2620' to 2495' through 4 1/2" casing with 10 sacks Neat. Cut off 4 1/2" casing at 1170' and pull up hole to spot next plug. Load hole with 6% gel to top of 4 1/2" casing at 1170'. Spot cement plug from 1170' to 1070' at top of 4 1/2" (1170') and bottom of 8 5/8" (1149'). Pull remaining 4 1/2" out of hole and load the hole with 6% gel to 100'. Spot cement plug from 100' to ground level through 1 1/2" tubing with 30 sacks Neat. Set appropriate monument with identification.
 NOTE: This well was already plugged in continuous progression from drilling and completion. Plugging was performed on December 17, 1985 with the approval and supervision of Donald Ellis.

OFFICE USE ONLY

PLUGGING PERMIT

Permit number 47-049-0818-P Date March 27 1986

This permit covering the well operator and well location shown below is evidence of permission granted to plug 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 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, subject to any modifications and conditions on the reverse hereof.

Permit expires March 27, 1988 unless plugging is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing: <input checked="" type="checkbox"/>	WPCP: <input checked="" type="checkbox"/>	OTHER: <input checked="" type="checkbox"/>
---	--	---	---	---	--

John A. ...
Director, Division of Oil & Gas

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

5952

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED PLUGGING

WELL TYPE: A or B
 B. LOCATION: Elevation: _____
 C. WELL OPERATOR: _____
 D. PLUGGING CONTRACTOR: _____
 E. ON A GAS INSPECTOR TO BE NOTICED: _____

OFFICE USE ONLY

This part of Form WW-4(B) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Plugging started		
Plugging completed		
Well Record received		

OTHER INSPECTIONS

Reason: _____

Reason: _____

Approved	Checked	Plugged	Other
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

12/08/2023

RECEIVED
MAR 26 1986

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: March 17
Operator's
2) Well No. Sturm #1
3) API Well No. 47
State

STATE OF WEST VIRGINIA
DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

- 4) SURFACE OWNER(S) OF RECORD TO BE SERVED
- (i) Name Howard Sturm
Address 97 Sabraton Avenue
Fairmont, WV 26554
- (ii) Name Karl S. Shaver, Jr.
Address 26 Outlook Road
Fairmont, WV 26554
- (iii) Name _____
- 5 (i) COAL OPERATOR _____ Non
Address _____
- 5 (ii) COAL OWNER(S) WITH DECLARATION _____ Non
Name _____
Address _____
- 5 (iii) COAL LESSEE WITH DECLARATION _____ Non
Name _____

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.
2. Restricted Delivery.

3. Article Addressed to:
Mr. and Mrs. Howard Sturm
97 Sabraton Avenue
Fairmont, WV 26554

4. Type of Service: Article Number
 Registered Insured
 Certified COD P-047-042-121
 Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
Howard Sturm

6. Signature - Agent
Karl S. Shaver, Jr.

7. Date of Delivery
3-21-86

8. Addressee's Address (ONLY if requested and fee paid)
Fairmont, WV 26554

JHC 3/17/86

PS Form 3811, July 1983 447-845 **DOMESTIC RETURN RECEIPT**

Following documents:
sets out the
on and the

ING THE APPLICATION
THE APPLICATION
ACTION AT ALL.

igned well operator
uments for a
d Gas, West
ribed on the
Notice, the
delivered by hand
or before the day

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 Haddad and Brooks

By Howard Sturm
Its Signature

This 17th day of March, 1986.
My commission expires 5. 25, 1989.

Address 905 Washington Ro
Washington, PA 1

Kathrynann Willb
Notary Public, KATHRYNANN WILLS, NOTARY PUBLIC County,
SOUTH STRABANE TWP., WASHINGTON COUNTY
State of _____
MY COMMISSION EXPIRES MAY 25, 1989
Member, Pennsylvania Association of Notaries

Telephone 412-228-8811

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery. NO FEE B
2. Restricted Delivery.

3. Article Addressed to:
Mr. & Mrs. Karl Shaver, Jr.
26 Outlook Road
Fairmont, WV 26554

4. Type of Service: Article Number
 Registered Insured
 Certified COD P-042-269-274
 Express Mail

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
Karl Shaver

6. Signature - Agent
Karl Shaver

7. Date of Delivery
3-19-86

8. Addressee's Address (ONLY if requested and fee paid)
12/08/202

JHC 3/17/86

PS Form 3811, July 1983 447-845 **DOMESTIC RETURN RECEIPT**

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

NE ITEMS.

e of Notice.

r well name and number.

be filled out by the Division of Oil & Gas.

separate sheet if necessary.

face owner(s) of record to be served with Notice and Application.
ever, see also Code § 22B-1-9(b) if "more than three tenants in common
other co-owners of interest described in subsection (a) of this section
d interests in such lands".

al Operator" means any person, firm, partnership, partnership association
corporation that proposes to or does operate a coal mine.

Code § 22B-1-36.

REQUIRED COPIES FOR FILING AND SERVICE:

e § 22B-1-6 and Regulation 7.02 provide that the original and two copies
n must be filed with the Director, accompanied by (i) an original and
e Notice, (ii) an original and four copies of a plat in the form prescribed
and (iii) a bond in one of the forms prescribed by Regulation 12, or in
other security allowed by Code § 22B-1-26.

addition, service must be made on the surface owner(s) and the person(s)
in the coal. See Code § § 22B-1-9 and 22B-1-23.



OFFICIAL BUSINESS

SENDER INSTRUCTIONS
Print your name, address, and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

U.S. MAIL

PENALTY FOR PRIVATE USE, \$300

RETURN TO

Haddad & Brooks, Inc.
(Name of Sender)

905 Washington Rd., P.O. Box 714
(No. and Street, Apt., Suite, P.O. Box or R.D. No.)

Washington, PA 15301-1153
(City, State, and ZIP Code)

DEPARTMENT OF ENERGY
DIVISION OF OIL & GAS
MAR 26 1986

12/08/202

RECEIVED
APR - 3 1986

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

FORM WR-38
(Affidavit of Plugging)

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, one copy mailed to the Division, 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.

None
Coal Operator or Owner

Address

None
Coal Operator or Owner

Address

Howard Sturm & Karl Shaver, Jr.
Lease or Property Owner

97 Sabraton Ave. & 26 Outlook Rd., Fairmont
Address West Virginia 26554

Haddad and Brooks, Inc.

Name of Well Operator

905 Washington Rd., Washington, PA 15301-1153

Complete Address

Sturm No. 1 19 85

WELL AND LOCATION

Grant District

Marion County

WELL NO. 1

Sturm Farm

STATE INSPECTOR SUPERVISING PLUGGING Donald Ellis

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Marion

SS:

Jerrold J. Hopkins and

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 Haddad & Brooks, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 17th day of December, 19 85, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
TD - 2620'	6% Gel			
2620' - 2495'	Cement Plug			
2495' - 1170'	6% Gel			
1170' - 1070'	Cement Plug			
1070' - 100'	6% Gel			
100' - 0'	Cement Plug			
		16"	0	40'
		11 3/4"	0	144'
		8 5/8"	0	1149'
		4 1/2"	1170	1522'
Coal Seams		Description of Monument		
(Name) None-Pittsburgh Coal mined out		Monument constructed of 8"		
(Name)		casing approximately 5' high and		
(Name)		inscribed with proper identifica-		
(Name)		tion.		

Handwritten signature and date: 4/17/86

and that the work of plugging and filling said well was completed on the 17th day of December, 19 85.

And further deponents saith not.

Sworn to and subscribed before me this 1st day of April, 19 86.

Handwritten signature: Jerrold J. Hopkins
Handwritten signature: Notary Public

My commission expires
KOUOLA DIGBY, NOTARY PUBLIC
SOUTH STODANE TWP., WASHINGTON COUNTY
MY COMMISSION EXPIRES OCT. 4, 1988
Member, Pennsylvania Association of Rotaries

Permit No. 47-049-0818P

MARION 0818-P

APR - 2 1900

[Faint handwritten notes]

[Faint handwritten notes]

[Faint handwritten notes]

[Faint handwritten notes]

12/08/2023



10-2-85

INSPECTOR'S PERMIT SUMMARY FORM

WELL TYPE _____
ELEVATION 937
DISTRICT Grant
QUADRANGLE _____
COUNTY Monroe

API# 47-049-0818
OPERATOR Hoddy & Brooks
TELEPHONE _____
FARM Stern
WELL # 1

SURFACE OWNER _____ COMMENTS _____ TELEPHONE _____
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____

DATE STARTED _____
LOCATION 11-20-85 NOTIFIED Yes DRILLING COMMENCED 11-26-85

WATER DEPTHS 55', 180', 320', _____
COAL DEPTHS OPEN MINE 107-113, _____

CASING

Ran 144 feet of 11 3/4" pipe on 11-27-85 with 75% fill up
Ran 1148 feet of 8 5/8" pipe on 12-3-85 with 275% fill up
Ran _____ feet of _____" pipe on _____ with _____ fill up
Ran _____ feet of _____" pipe on _____ with _____ fill up

TD 2715 feet on 12-5-85

DEPARTMENT OF ENERGY
OIL AND GAS

PLUGGING

MAY 29 1986

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____

Field analysis _____ ph _____ fe _____ cl _____

Well Record received _____

Date Released 5-21-86

[Signature]
Inspector's signature
12/08/2023

API# 47049-0818

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1	11-20-85			Check + Change Road
2			on Rec Plan.	
3	11-26-85			Spud
4	11-27-85			Set Mine Strig.
5	12-3-85			Set Surpice
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes

✓ 011 IR-26
Obverse

3-27-86

INSPECTOR'S PERMIT SUMMARY FORM

WELL TYPE _____
ELEVATION 937
DISTRICT Brook's Grant
QUADRANGLE _____
COUNTY Marion

API# 47-049-0818-P
OPERATOR Haddock & Brooks
TELEPHONE _____
FARM Stuen
WELL # 1

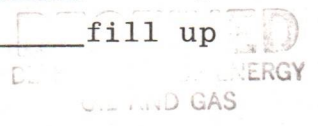
SURFACE OWNER Stuen COMMENTS _____ TELEPHONE _____
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____

DATE STARTED _____
LOCATION 11-20-85 NOTIFIED Yes DRILLING COMMENCED 11-26-85

WATER DEPTHS _____, _____, _____, _____
COAL DEPTHS _____, _____, _____, _____

CASING

Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up



TD 2715 feet on 12-5-85

PLUGGING

MAY 29 1986

Type	From	To	Pipe Removed
<u>Cut & Pulled 4 1/2</u>	<u>1170'</u>		
<u>Class A Cement</u>	<u>2650</u>	<u>2530</u>	
<u>6 1/2 gel</u>	<u>2530</u>	<u>1170</u>	
<u>Class A Cement</u>	<u>1170</u>	<u>1070</u>	
<u>6 1/2 gel</u>	<u>1070</u>	<u>100</u>	
<u>Cement Class A</u>	<u>100</u>	<u>0</u>	

Pit Discharge date: _____ Type _____
Field analysis ph _____ fe _____ cl _____
Well Record received _____

Date Released 5-21-86

12/08/2023

Inspector's signature

API# 47 049-0818-P

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2	5-21-86			Released
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 DIVISION OF OIL AND GAS
 1615 Washington Street, East
 Charleston, West Virginia 25311
 Telephone: 348-3500
 June 4, 1986

ARCH A. MOORE, JR.
 Governor

John Johnston
 Director

Haddad & Brooks, Incorporated
 Post Office Box 714
 Washington, Pennsylvania 15301

In Re: Permit No: 47-049-0818-P
 Farm: Howard Strum
 Well NO: 1
 District: Grant
 County: Marion
 Issued: 3-27-86

Gentlemen:

The FINAL INSPECTION REPORT for the above captioned well has been received in this office. ONLY the Column checked below applies:

XXXX The well designated by the above captioned permit number has been released under your Blanket Bond.

Please return the enclosed cancelled single bond which covered the well designated by the above captioned permit number to the surety company that executed said bond in your behalf, in order that they may give you credit on their records.

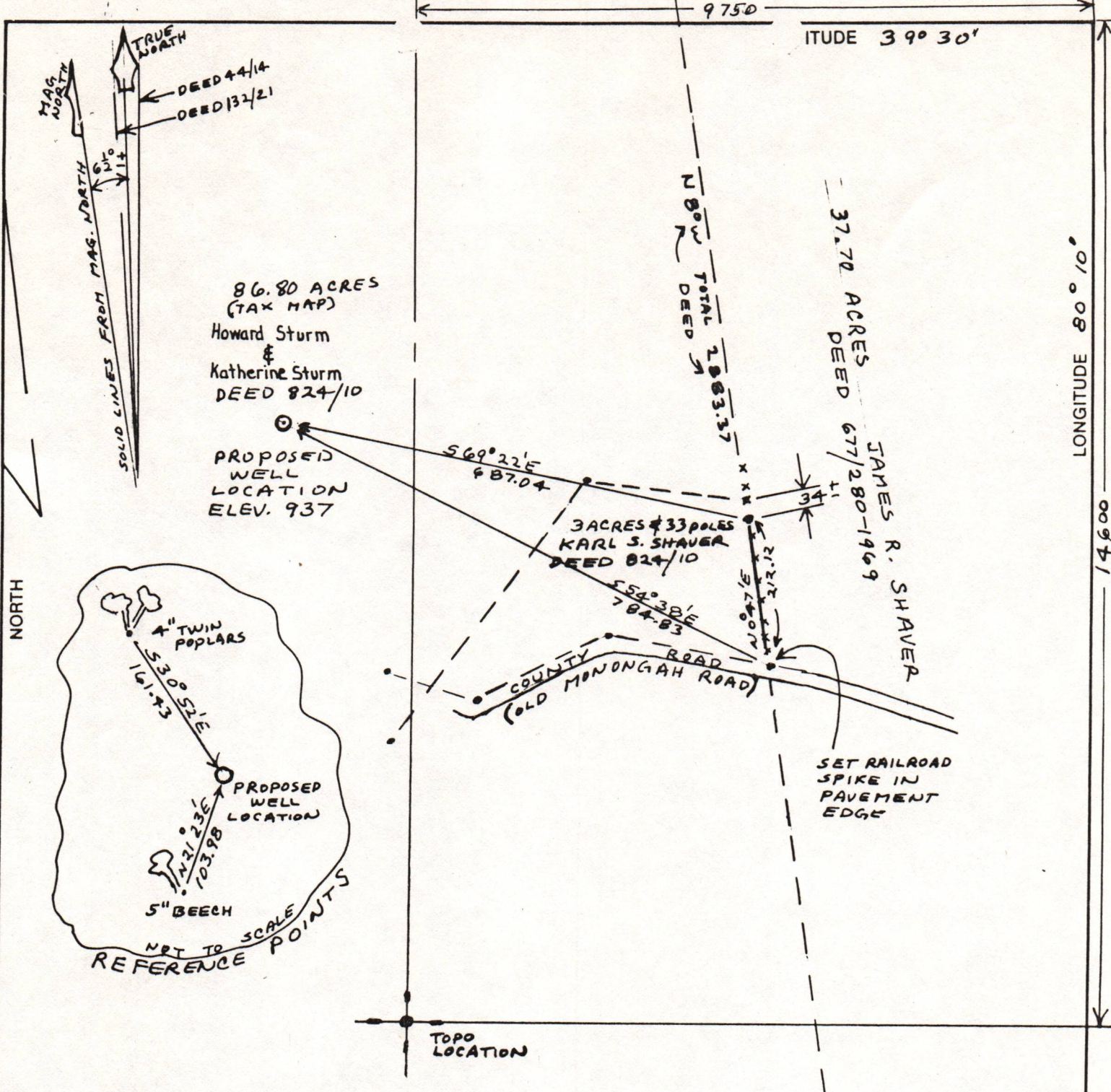
Your well record was received and reclamation requirements approved. In accordance with Chapter 22B, Article 1, Section 26, the above captioned well will remain under bond coverage for life of the well.

Respectively,

Theodore M. Streit
 Deputy Director--Inspection & Enforcement

TMS/ nw

12/08/2023



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 85-6578
 DRAWING NO. 85-6578-C
 SCALE 1" = 200
 MINIMUM DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION 955 ON FAIRMONT WEST TOPO

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) Henry M. Parsons
 R.P.E. _____ L.I.S. No. 98



PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE AUGUST 21, 1985
 OPERATOR'S WELL NO. Sturm #1
 API WELL NO. 47-049-0818-P

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 937 WATERSHED BOOTH'S CREEK
 DISTRICT GRANT COUNTY MARION
 QUADRANGLE FAIRMONT WEST

SURFACE OWNER HOWARD STURM ETAL. ACREAGE 86.80 (TAX MAP)
 OIL & GAS ROYALTY OWNER HOWARD STURM ETAL. LEASE ACREAGE 86.80
 LEASE NO. HB-322-10

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 FIFTH SANDSTONE ESTIMATED DEPTH 2670'
 WELL OPERATOR HADDAD AND BROOKS, INC. DESIGNATED AGENT HENRY M. PARSONS
 ADDRESS P.O. BOX 714, WASHINGTON, PA. 15301-1153 ADDRESS 121 GLENVIEW DRIVE, NEW MARTINSVILLE, WV. 26155

85-6578-C

FORM IV-6 (8-78)

COUNTY NAME PERMIT