



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

FILE NO. 80-5749  
 DRAWING NO. 80-5749-W  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1 IN 2500  
 PROVEN SOURCE OF ELEVATION U.S.G SURVEY STATION - WEST 1957 ON WILEYVILLE TOPO MAP

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.L.S. 98



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

DATE JUNE 2, 1983  
 OPERATOR'S WELL NO. WHIPPOORWILL #1  
 API WELL NO. 103  
47 WETZEL 1291  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1323' WATER SHED LYNN CAMP RUN  
 DISTRICT PROCTOR COUNTY WETZEL  
 QUADRANGLE WILEYVILLE Littleton 15' NC

SURFACE OWNER ARTHUR LISTON ACREAGE 62  
 OIL & GAS ROYALTY OWNER D. KISNER, SHIBEN ESTATE LEASE ACREAGE \_\_\_\_\_  
H. LEMASTERS & G. SNIDER LEASE NO. 324-607

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 GORDON ESTIMATED DEPTH 3350'  
 WELL OPERATOR HADDAD & BROOKS, INC. DESIGNATED AGENT HENRY M. PARSONS  
 ADDRESS 905 WASHINGTON ROAD, BOX 714 ADDRESS 121 GLENVIEW DRIVE  
WASHINGTON, PA. 15301-1153 NEW MARTINSVILLE, WV 26155

FORM IV-6 (8-78) H.T. HALL

DPD-425 3-3 Lynn Camp (36) 80-5749-W

AUG 01 1983

COUNTY NAME PERMIT

# RECEIVED

DEC 12 1983

## OIL & GAS DIVISION DEPT. OF MINES

IV-35  
(Rev 8-81)



### State of West Virginia Department of Mines Oil and Gas Division

Date December 8, 1983  
Operator's  
Well No. 1  
Farm Whippoorwill  
API No. 47 - 103 - 1291

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

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

LOCATION: Elevation: 1323 Watershed Lynn Camp Run  
District: Proctor County Wetzel Quadrangle Wileyville 7.5'

COMPANY Haddad and Brooks, Inc.  
ADDRESS 905 Washington Rd., Washington, PA 15301  
DESIGNATED AGENT Henry M. Parsons  
ADDRESS 121 Glenview Dr., N. Martinsville, WV 26155  
SURFACE OWNER Donald J. Kisner, et al  
ADDRESS 452 S. Prospect St., Ravenna, OH 44266  
MINERAL RIGHTS OWNER Same  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK Robert A. Lowther  
ADDRESS Middlebourne, WV 26149  
PERMIT ISSUED 7/29/83  
DRILLING COMMENCED 8/19/83  
DRILLING COMPLETED 9/6/83  
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 Cord.			
13-10"			
9 5/8			
8 5/8	1273'	1273'	285 sx Neat + 2% CaCl. 100 sx Neat + 4% CaCl
7			
5 1/2			
4 1/2	3415'	3415'	125 sx Thixo.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Gordon Depth 3283 feet  
Depth of completed well 3428 feet Rotary  / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh Unknown feet; Salt 2050 feet  
Coal seam depths: 1143 (Pittsburgh Coal) Is coal being mined in the area? No

#### OPEN FLOW DATA

Producing formation Gordon Stray Gordon Fourth Pay zone depth 3352-3320' feet  
Gas: Initial open flow N/A Mcf/d Oil: Initial open flow N/A Bbl/d  
Final open flow N/A Mcf/d Final open flow 18.2 Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure 650 psig (surface measurement) after 20 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 \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

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(Continue on reverse side)

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

Perforate Fourth Sand with 3 holes from 3316'-3318', Perforate Gordon Sand with 9 holes from 3276'-3280', perforate Gordon Stray Sand with 9 holes from 3254-3260'. Fractured with 860 barrels of gelled diesel, 48,600 lbs. of 20/40 sand. ATP 3100 psi. ATR 27 BPM. ISIP: 2775 psi.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Undifferentiated Sand & Shale			0	2356'	Pittsburgh Coal @ 1143' Salt Water @ 2050'.
Greenbrier		Tn-Wt H	2356'	2433'	
Big Injun		Clr-Wt M-H	2433'	2660'	
Shale & SLST		Gy-Bn M-S	2660'	2814'	
Weir		Wt H-S	2814'	2848'	
Shale & Slst		Gy-Gn S	2848'	3008'	
Berea		Clr. H	3008'	3049'	Broken, SG
Shale & Slst		Gy-Gn S	3049'	3252'	
Gordon Stray		Wt M	3252'	3261'	SG
Shale		Gy H-S	3261'	3273'	
Gordon		Wt M	3273'	3284'	SG
Shale		Gy-Bn S	3284'	3315'	
<u>Fourth</u>		Wt M	3315'	3319'	SG
Shale		Gy S	3319'	3428'	PD

All depths from G.L.

3428  
3284

T44 expl ftg.

(Attach separate sheets as necessary)

Haddad & Brooks, Inc.

Well Operator

By:

Carl A. Boe

Date:

December 8, 1983

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 coal, encountered in the drilling of a well."





1) Date: June 28, 19 83  
 2) Operator's Well No. Whippoorwill #1  
 3) API Well No. 47 103 1291  
 State County Permit

DRILLING CONTRACTOR:  
Clint Hurt Associates  
Charleston, WV

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

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production  / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow )
- 5) LOCATION: Elevation: 1323' / Watershed: Lynn Camp Run  
 District: Proctor / County: Netzel / Quadrangle: Wileyville 7.5
- 6) WELL OPERATOR Haddad and Brooks, Inc. / 11) DESIGNATED AGENT Henry M. Parsons  
 Address 905 Washington Rd., P.O. Box 714 / Address 121 Glenview Drive  
Washington, PA 15301-1153 / New Martinsville, WV 26155
- 7) OIL & GAS ROYALTY OWNER See Attached List / 12) COAL OPERATOR N/A  
 Address \_\_\_\_\_ / Address \_\_\_\_\_
- 8) SURFACE OWNER See Attached List / 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
 Address \_\_\_\_\_ / Name See Attached List  
 Address \_\_\_\_\_ / Name \_\_\_\_\_  
 Address \_\_\_\_\_ / Address \_\_\_\_\_
- 9) FIELD SALE (IF MADE) TO:  
 Address N/A
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name Robert A. Lowther / Address Pittsburgh Midway Coal Company  
General Delivery / P. O. Box 339  
Middlebourne, WV 26149 / Madisonville, KY 42431
- 15) PROPOSED WORK: Drill  / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Fracture or stimulate   
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 16) GEOLOGICAL TARGET FORMATION, Gordon
- 17) Estimated depth of completed well, 3422 feet
- 18) Approximate water strata depths: Fresh, N/A feet; salt, 2360 feet.
- 19) Approximate coal seam depths: 1153 Is coal being mined in the area? Yes \_\_\_\_\_ / No

20) 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					60'	60'	35 sacks	Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8					1243'	1243'	325 sacks	
Production	4 1/2					3422'	3422'	200 sacks or as required by rule 15.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

21) EXTRACTION RIGHTS Lease assignments on file with permit Nos. 47-103-1285 & 47-103-1286.  
 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.)

22) ROYALTY PROVISIONS  
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing 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.

23) Required Copies (See reverse side.)  
 24) 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.

Notary: \_\_\_\_\_ / Signed: \_\_\_\_\_  
 My Commission Expires \_\_\_\_\_ / Its: Executive Vice President

OFFICE USE ONLY  
 DRILLING PERMIT  
 Permit number 47-103-1291 / Date July 29 19 83

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. 10) 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.)

Permit expires July 29, 1985 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
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Administrator, Office of Oil and Gas



## Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.  
"Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less than six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
- 15) Work that will be attempted—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.
- 16) Anticipated formation for which well will be completed
- 17) Self explanatory
- 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
- 19) All coal seam depths
- 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
- 21) Code 22-4-11(c) - In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
  - (1) A brief description of the tract of land including the district and county wherein the tract is located;
  - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
  - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
  - (4) A brief description of the royalty provisions of each such lease or contract.
- 22) Code 22-4-11(d) and 22-4-11(e).
- 23) 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.
- 24) 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.

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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.

### WAIVER

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.

Date: \_\_\_\_\_, 19\_\_\_\_\_

By \_\_\_\_\_

Its \_\_\_\_\_