



LONGITUDE 81° 00' 00"

11,750'

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION USGS BM 1049'

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) Paul K. Marshall
 R.P.E. _____ L.L.S. 580

PLACE SEAL HERE

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



DATE DECEMBER 6 1982
 OPERATOR'S WELL NO. JONES #2
 API WELL NO. _____
47 - 095 - 1015
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WVDEP database plugged 6/30/83

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 875' WATER SHED PLUM RUN
 DISTRICT MEADE COUNTY TYLER
 QUADRANGLE BENS RUN St. Marys 15' EC
 SURFACE OWNER HARRY A. JONES ACREAGE 114
 OIL & GAS ROYALTY OWNER HARRY A. JONES LEASE ACREAGE 114
 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 COW RUN ESTIMATED DEPTH 2000'
 WELL OPERATOR Grant Grim Drilling Co. DESIGNATED AGENT DURL FLUHARTY
 ADDRESS BOX 394 TIONESTA, PA. 16353 ADDRESS 425 S. SPRING ST. HARRISVILLE, W.VA.

DEC 20 1982

DRILLER'S RECORD

Previously Requested, but NOT
AVAILABLE

DATE: _____

<u>095</u> COUNTY	<u>1015</u> PERMIT
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ID: COUNTY: .095 (TYLER) PERMIT: 1015 SFX: 0 (New Location)

REASSIGNED ID #: ()

COMPLETION INFO: ELEVATION: COMP REC FLAG: (not@DOE/OGIS)
 ELEVATION TYPE: () RIG TYPE: 0 (unknown)

* LOCATION TAX DST: 4 (Meade)
 * INFO: DEGREES MINUTES MILES
 * 7.5' LATITUDE: 00 00.0 0.005
 * LONGITUDE: 00 00.0 0.00W
 * QUADRANGLE: (?)
 * 15' LATITUDE: 39 25 2.275
 * LONGITUDE: 81 00 0.50W
 * QUADRANGLE: 116 (St Marys)
 * 5' SECT: 6 (East Central)

CLASSIFICATION: DATES: MM/DD/YYYY
 INITIAL: (unclassified) SPUD: / / WELL TYPE:
 FINAL: (unclassified) COMP: / / ()
 FIELD: 000 BATCH: / / CMLP METH: 0
 (Unnamed) YEAR RPTD: (unknown)

OPEN GAS-BEFORE TREATMENT: (MCFPD) OIL-BEFORE TREATMENT: (BOPD)
 FLOW: GAS-AFTER TREATMENT: (MCFPD) OIL-AFTER TREATMENT: (BOPD)

* UTM: EASTING: 499186.5 NORTHING: 4359138.4
 * COORDINATE DIGITIZED (Y/N): N

ROCK NATURAL (PSI): 0 TIME (NATURAL, IN HOURS): 0
 PRESSURE: TREATED (PSI): 0 TIME (TREATED, IN HOURS): 0

* OWNER STATUS: DATE:
 * INFO: SURFACE OWNER:
 * OIL&GAS OWNER:
 * COMPANY NUMBER:
 * OPERATOR:

DEPTHS: TOTAL FTG: 0 NEW FTG: 0 EXPL FTG: 0

DEEPEST FM: AT TOTAL DEPTH: 999 TESTED: 999
 (undetermined unit) (undetermined unit)

MECHANICAL LOG INFO:

STATUS: RANGE OF INTERVALS: 396- 1022 DEEPEST FM LOGGED:
 LOGS AVAILABLE: GR,D,N,I,* MICROFILM ROLL NUMBER(S): 140
 COMMENT:
 LOG TYPES: GR-gamma ray; D-density; T-temperature; I-induction; N-neutron; S-sonic; *Other types not noted



1) Date: December 6, 1982
 2) Operator's Well No. Jones #2
 3) API Well No. 47 095 1013
 State _____ County _____ Permit _____

DRILLING CONTRACTOR:

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: 875' Watershed: Blue Run
 District: Meade County: Loyal Quadrangle: Blue Run
- 6) WELL OPERATOR Grant Oil Drilling Co.
 Address Box 374
Moneta, Pa. 16353
- 7) OIL & GAS ROYALTY OWNER Harry A. Jones
 Address Route 1
Cairo, W.V. 26337
 Acreage _____
- 8) SURFACE OWNER Harry A. Jones
 Address Route 1
Cairo, W.V. 26337
 Acreage 114
- 9) FIELD SALE (IF MADE) TO:
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Robert Lowther
 Address General Delivery
Middlebourne, W.V. 26149
- 11) DESIGNATED AGENT
 Address _____
- 12) COAL OPERATOR
 Address _____
- 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name _____
 Address _____
 Name _____
 Address _____
- 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name _____
 Address _____
- 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, Cow Run
- 17) Estimated depth of completed well, 2000' feet
- 18) Approximate water strata depths: Fresh, 850' feet; salt, 500' feet.
- 19) Approximate coal seam depths: _____ 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	<u>11 3/4"</u>								Kinds
Fresh water									Sizes
Coal									Depths set
Intermediate	<u>8 7/8"</u>						<u>250' Cemented</u>		Perforations:
Production	<u>2 3/8"</u>								Top Bottom
Tubing						<u>2000'</u>			
Liners									

- 21) 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.)
- 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: _____
 My Commission Expires June 3, 1991

Signed: _____
 Its: _____

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-095-1013 Date December 13, 1982

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 _____ unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: _____	Agent: _____	Plat: _____	Casing: _____	Fee: <u>124</u>
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Administrator, Office of Oil and Gas

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

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.

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 _____