

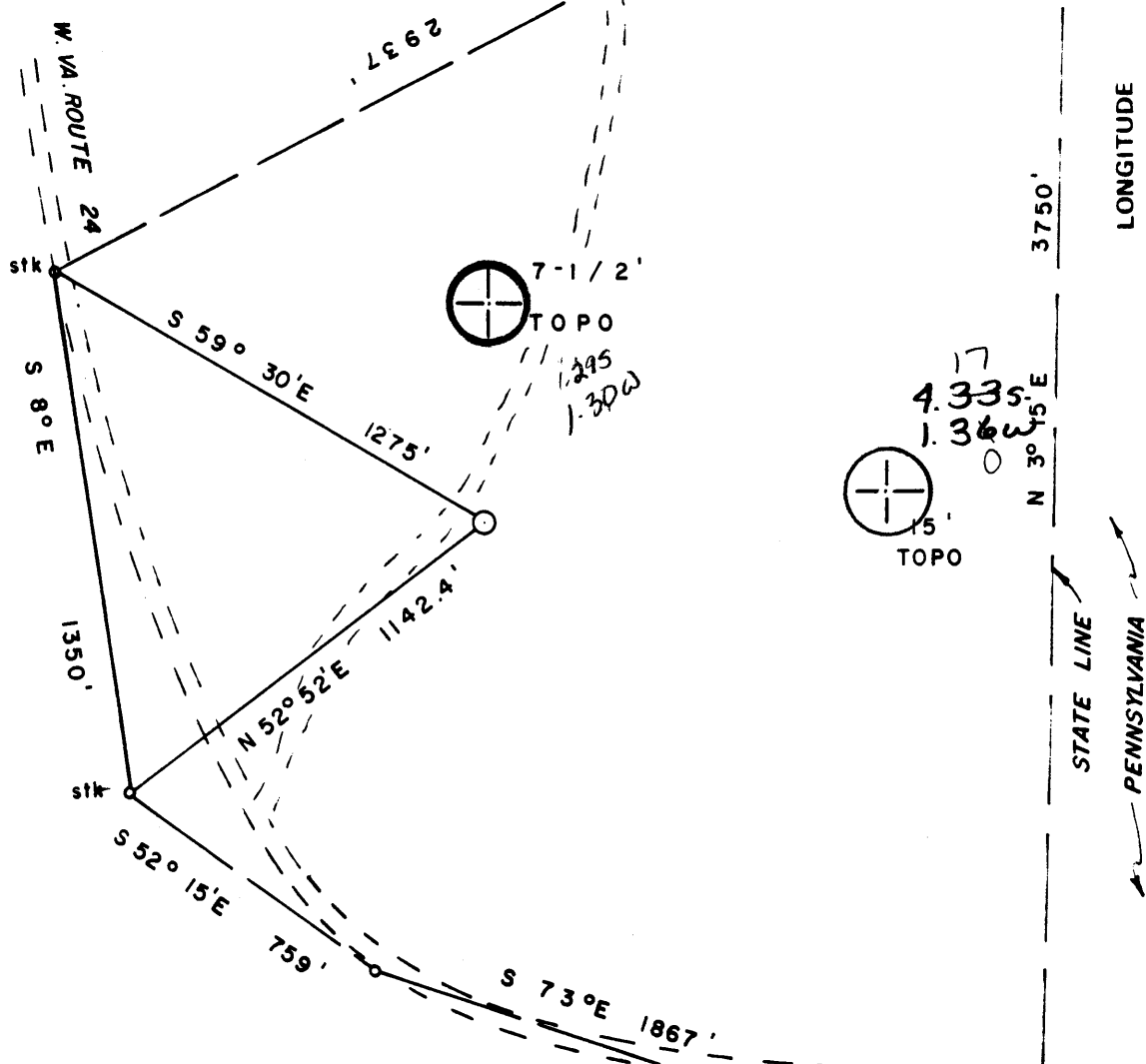
LATITUDE 40° 32' 30"
40° 35' 00"

T. B. PURDY

LONGITUDE 80° 30' 00"

6900'

NORTH



CARSON HEIRS

FILE NO 79 - 399 - PH
 DRAWING NO _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION STATE LINE MON. EL 1273
2300' S.E. of SITE

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) John Robert Taylor
 P.E. 5566 L.L.S. _____

PLACE SEAL HERE

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



DATE 7-7, 1982
 OPERATOR'S WELL NO. 2
 API WELL NO. _____
47 - 029 - 0108
 STATE COUNTY PERMIT

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 1300 WATER SHED OHIO RIVER
 DISTRICT CLAY COUNTY HANCOCK
 QUADRANGLE ~~EAST LIVERPOOL SOUTH~~ Wellsville 15'SE
 SURFACE OWNER J. A. CARSON & S. H. CARSON Heirs ACREAGE 138
 OIL & GAS ROYALTY OWNER J. A. CARSON & S. H. CARSON LEASE ACREAGE 138
 LEASE NO. 358 HEIRS _____
 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 Green ESTIMATED DEPTH 1650'
 WELL OPERATOR CHALLENGE PETRO. DESIGNATED AGENT PATRICK G. HOSLER
 ADDRESS BOX 150 A ADDRESS BOX 191
NEW CUMBERLAND, W.V.A. 26047 NEW CUMBERLAND, W.V.A. 26047

JAN 31 1983



1) Date: _____, 19____
 2) Operator's Well No. _____
 3) API Well No. 47 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: _____ Watershed: _____
 District: _____ County: _____ Quadrangle: _____
- 6) WELL OPERATOR _____ Address _____
- 7) OIL & GAS ROYALTY OWNER _____ Address _____
 Acreage _____
- 8) SURFACE OWNER _____ Address _____
 Acreage _____
- 9) FIELD SALE (IF MADE) TO: _____ Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name _____ Address _____
- 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, _____
- 17) Estimated depth of completed well, _____ feet
- 18) Approximate water strata depths: Fresh, _____ feet; salt, _____ 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									Kinds
Fresh water									
Coal									Sizes
Intermediate									
Production									Depths set
Tubing									Perforations:
Liners									Top Bottom

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: _____

Signed: _____

My Commission Expires: _____

Its: _____

OFFICE USE ONLY

DRILLING PERMIT

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. 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
-------	--------	-------	--------	-----

Administrator, Office of Oil and Gas

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