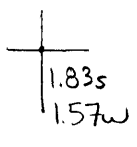


40°32'30"

Latitude

80°30'00"

Longitude



Top Location

7.5' Loc. _____ 15' Loc. _____
 _____ (calc.) _____

Company Challenge Petro

Farm John + Robert Conson # PGH-3

15' Quad _____
(sec.)

7.5' Quad East Liverpool South

District Clay

WELL LOCATION PLAT

County 029 Permit 106

8600'

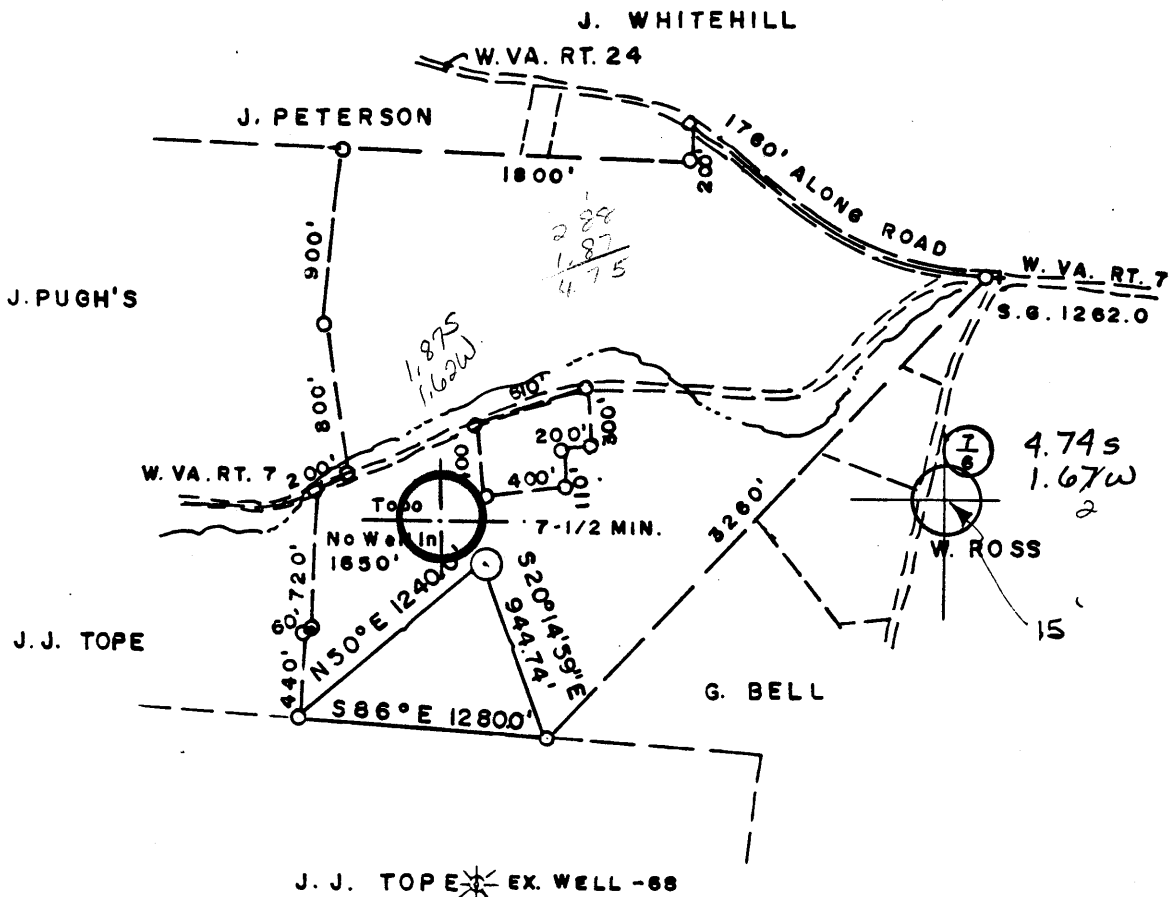
Plot Card CSD

LATITUDE 40° 32' 30"

40° 35'

LONGITUDE 80° 30' 00"

NORTH



J. J. TOPE EX. WELL - 68

FILE NO. 79-399-H
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION S.G. ELEV. 1262.0 ON W. VA. RT. 7 AT CO. RD. (7/6) 3000' N.E. OF WELL 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) _____
 R.P.E. 55 66 L.L.S. _____

PLACE SEAL HERE

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



DATE MARCH 4, 1982
 OPERATOR'S WELL NO. PGH 3
 API WELL NO. _____
47 - 029 - 0106
 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 1260.0 WATER SHED HARDIN RUN
 DISTRICT CLAY COUNTY HANCOCK
 QUADRANGLE EAST LIVERPOOL - SOUTH Wellsville 15' SE
 SURFACE OWNER JOHN L. & ROBERT L. CARSON ACREAGE 148
 OIL & GAS ROYALTY OWNER JOHN L. & ROBERT L. CARSON LEASE ACREAGE 148
 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 COAL ESTIMATED DEPTH 1900
 WELL OPERATOR CHALLENGE PATRO DESIGNATED AGENT PATRICK G. HOSLER
 ADDRESS RT 2 & X 158A ADDRESS ROUTE 2, BOX 191
NEW CUMBERLAND, W. VA. 26047

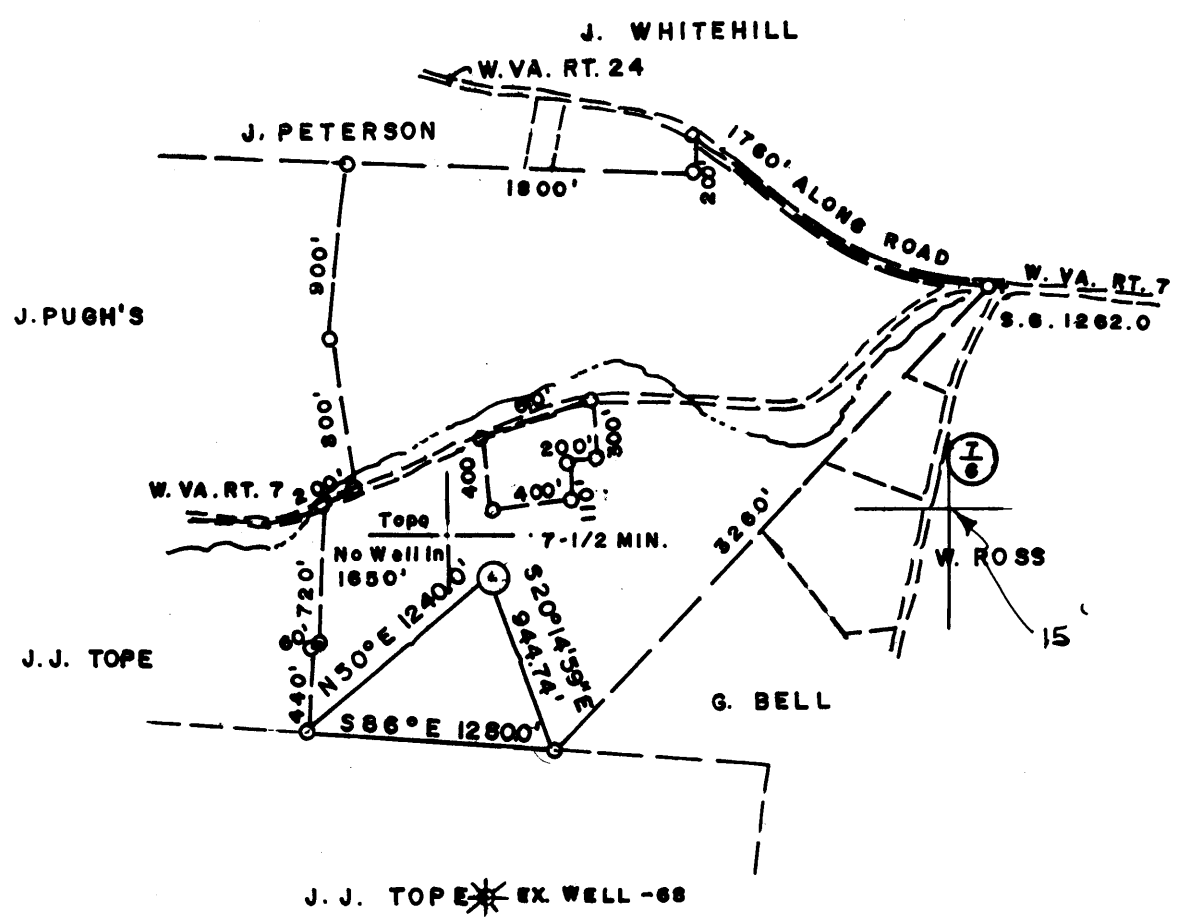
DEC 27 1982

8600'

LATITUDE 40° 32' 30"
40° 35'

LONGITUDE 80° 30' 00"
9066

NORTH



FILE NO. 79-399-H
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION S.G. ELEV. 1262.0 ON W. VA. RT. 7 AT CO. RD. (7/6) 3000' N.E. OF WELL 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 Galbreath
 R.P.E. 5566 L.L.S. _____



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



DATE MARCH 4, 1982
 OPERATOR'S WELL NO. PGH 3
 API WELL NO. Cancelled
47 - 029 - 0106
 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 1260.0 WATERSHED HARDIN RUN
 DISTRICT CLAY COUNTY HANCOCK
 QUADRANGLE EAST LIVERPOOL - SOUTH
 SURFACE OWNER JOHN L. & ROBERT L. CARSON ACREAGE 148
 OIL & GAS ROYALTY OWNER JOHN L. & ROBERT L. CARSON LEASE ACREAGE 148
 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 GORDON ESTIMATED DEPTH 1900
 WELL OPERATOR CHALLENGE PETRO DESIGNATED AGENT PATRICK G. MOSLER
 ADDRESS RT #3 BOX 188A NEW CUMBERLAND W.VA. 26047 ADDRESS ROUTE 2, BOX 191 NEW CUMBERLAND, W. VA. 26047

HAN-0106



1) Date: November 1, 19 83
 2) Operator's Well No. Carson #2
 3) API Well No. 47 029 0106
 State of West Virginia County Putnam

DRILLING CONTRACTOR:
Bonn Drilling, Inc.
Weston, W. Va.

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

AA

WELL TYPE: A Oil X / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /
 LOCATION: Elevation: 1260 Watershed: Hardins Run
 District: Clay County: Hancock Quadrangle: East Liverpool
 WELL OPERATOR Challenge Petroleum Co. Inc. DESIGNATED AGENT Patrick G. Hooper
 Address Rt. #3 Box 150A Address Rt. #2 Box 191
New Cumberland, W.Va. 26047

OIL & GAS ROYALTY OWNER John L. & Robert L. Carson COAL OPERATOR NONE
 Address Hardins Run Road Address
New Cumberland, W.Va. 26047
 Acreage 148
 SURFACE OWNER John L. & Robert L. Carson 13) COAL OWNER(S) WITH DECLARATION ON RECORD
 Address Hardins Run Road Name NONE
New Cumberland, W.Va. 26047 Address
 Acreage 148 Name
 FIELD SALE (IF MADE) TO: Address

OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Robert A. Leather
 Address General Delivery
Middlesboro, W.Va. 26149

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture of stratum
 Plug off old formation
 Other physical change in well (specify) Gordon
 GEOLOGICAL TARGET FORMATION Gordon
 Estimated depth of completed well 1900 feet
 Approximate water strata depths: Fresh 225 feet; salt 700 feet.
 Approximate coal seam depths: NONE Is coal being mined in the area? Yes

PIPE AND TUBING PROGRAM

| Casing or Tubing Type | SPECIFICATIONS | | FOOTAGE INTERNALS | | TEMPERATURE OR SACKS |
|-----------------------|----------------|-------|-------------------|-----------|----------------------|
| | Weight | Other | Length | Loss | |
| 15" 82 | 260 | X | 25' | 6 Sacks | |
| 10 3/4" 82 | 200 | X | 300' | 110 Sacks | |
| 7 1/2" 82 | 170 | X | 1100' | 55 Sacks | |

PROVISIONS OF THE OIL AND GAS ACT OF 1937 AND THE OIL AND GAS REVENUE ACT OF 1938
 The requirements of Code 22-2-1(a) (1) through (4) (See reverse side for specifics.)
 The applicant hereby certifies that the information furnished herein is true and correct to the best of his knowledge and belief.
 I, Patrick G. Hooper, hereby certify that the information furnished herein is true and correct to the best of my knowledge and belief.
 Signed: Patrick G. Hooper
 Title: Designated Agent

OFFICE USE ONLY
 DRILLING PERMIT
 August 20, 1983
 Agent:
 Administrator, Office of Oil and Gas