

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF
ACCURACY 1" in 200'
PROVEN SOURCE OF
ELEVATION USGS BM LYNCH
CHAPEL HOUSE & RIVESVILLE Quad.

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 REGU-
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
MENT OF MINES.
(SIGNED) Walter D. Porter
R.P.E. _____ L.L.S. 624
Norton Surveys & Consulting, Inc.

PLACE SEAL HERE

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



DATE MARCH 4 1981
OPERATOR'S WELL NO. CORDRAY #1
API WELL NO.
47 - 061 - 0618
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

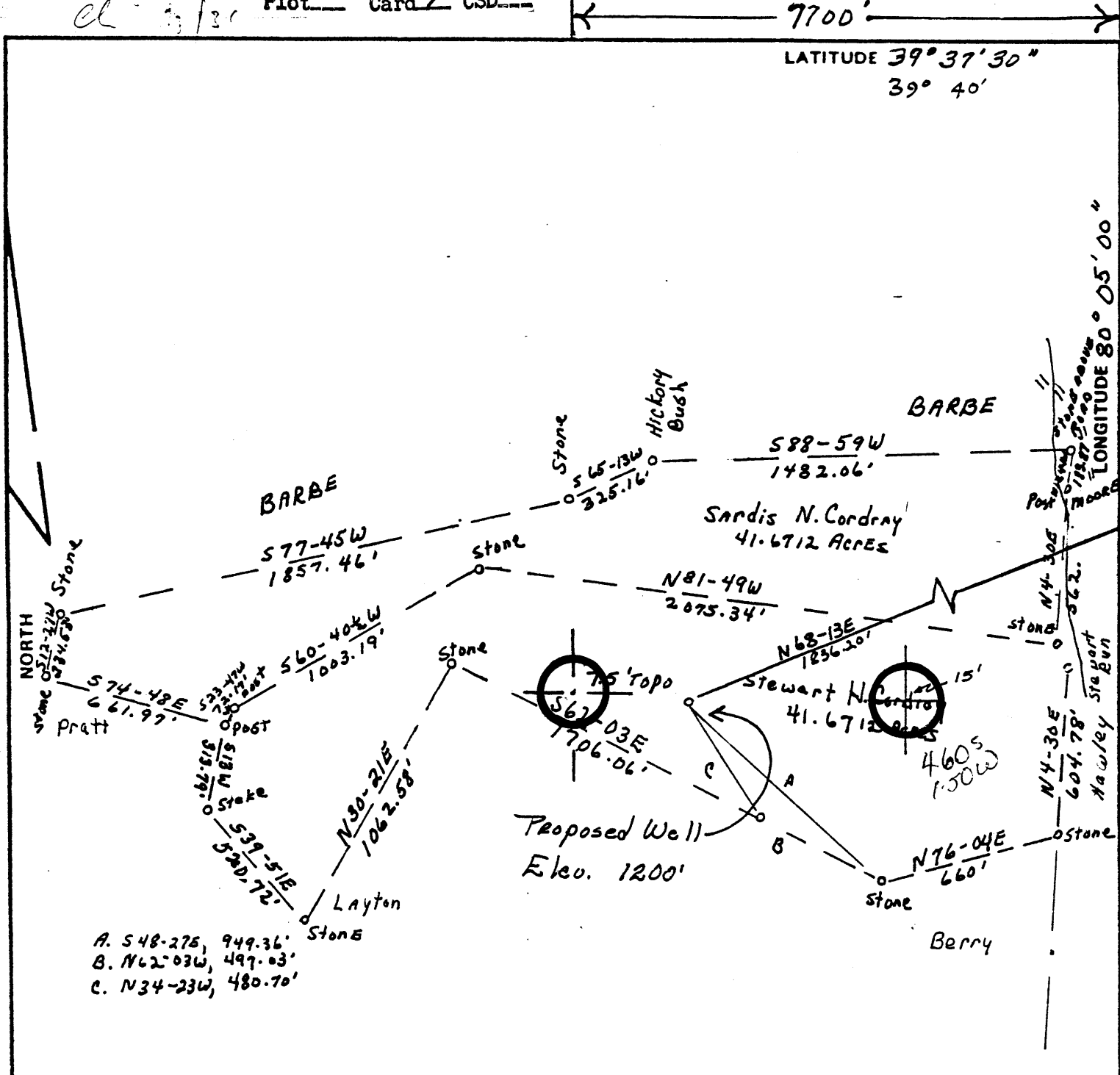
Cancelled

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS.") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____
LOCATION: ELEVATION 1200' WATER SHED STEWART RUN
DISTRICT GRANT COUNTY MONONGALIA
QUADRANGLE RIVESVILLE B.L. ACKS V. E.
SURFACE OWNER CLARENCE L. PENDLEY ACREAGE 84
OIL & GAS ROYALTY OWNER EDWARD + EVA CORDRAY LEASE ACREAGE 84

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 BENSON ESTIMATED DEPTH 5,000'
WELL OPERATOR PETROLEUM DEVELOPMENT DESIGNATED AGENT PETROLEUM DEVELOPMENT
ADDRESS 103 MAIN ST. ADDRESS 103 MAIN ST.
Bridgeport, W. Va. Bridgeport, W. Va.

DEC 03 1984



- A. S48-27E, 949.36'
- B. N62-03W, 497.03'
- C. N34-23W, 480.70'

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1" in 200'
 PROVEN SOURCE OF ELEVATION USGS BM LYNCH CHAPEL HOUSES RIVESVILLE Quad.

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) Harmon W. Porter
 R.P.E. _____ L.L.S. 624

PLACE SEAL HERE

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



DATE MARCH 4 19 81
 OPERATOR'S WELL NO. CORDRAY #1
 API WELL NO. _____
47 - 061 - 0618
 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 1200' WATER SHED STEWART RUN
 DISTRICT GRANT COUNTY MONONGALIA
 QUADRANGLE RIVESVILLE Blacksville C
 SURFACE OWNER CLARENCE L. PENDELEY ACREAGE 84
 OIL & GAS ROYALTY OWNER EDWARD + EVA CORDRAY LEASE ACREAGE 84
 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 BENSON ESTIMATED DEPTH 5,000'
 WELL OPERATOR PETROLEUM DEVELOPMENT DESIGNATED AGENT PETROLEUM DEVELOPMENT
 ADDRESS 103 MAIN ST. BRIDGEPORT, W. VA. ADDRESS 103 MAIN ST. BRIDGEPORT, W. VA.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

MAR 27 1981

Oil and Gas Division OIL & GAS DIVISION
DEPT. OF MINES
OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE March 13, 1981

Surface Owner Clarence L Pendley
Address Rt. 2 Box 284, Morgantown, WV
Mineral Owner Edward B. Cordray
401 Bridge St., Waynesburg, PA 15207
Address Eva H. Cordray
950 Chestnut Road, Morgantown, WV 26505
Coal Owner Consolidation Coal Co.
Address P. O. Box 1314
Morgantown, WV 26505
Coal Operator _____
Address _____

Company Petroleum Development Corporation
Address P. O. Box 26 Bridgeport, WV 26330
Farm Cordray Acres 84
Location (waters) Stewart Run
Well No. One (1) Elevation 1200'
District Grant County Monongalia
Quadrangle Rivesville

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,
of the W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations have not commenced by 12-11-81.

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED William Blosser
ADDRESS P. O. Box 1028 Colfax, WV 26566
PHONE _____

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated December 11 1980 by Edward B. Cordray et ux made to Petroleum Development and recorded on the 17th day of December 1980, in Monongalia County, Book 848 Page 339

XX NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Very truly yours,
[Signature]
(Sign Name) _____
Well Operator
PETROLEUM DEVELOPMENT CORPORATION
Address P. O. Box 26
of _____
Well Operator Bridgeport
City or Town
West Virginia 26330
State

*SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Unknown _____ NAME Petroleum Development Corp. _____
 ADDRESS _____ ADDRESS P. O. Box 26 Bridgeport, WV _____
 TELEPHONE _____ TELEPHONE (304) 842-6256 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 5,000 _____ ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson _____
 TYPE OF WELL: OIL XX GAS _____ COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16 13 3/8		20	20
13 - 10			
9 - 5/8			
8 - 5/8	1400	1400	Circulate
7			
6 1/2			250
4 1/2			Perf. Top
3			Perf. Bottom
2			Perf. Top
1 liners			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 480' _____
 IS COAL BEING MINED IN THE AREA? No _____ BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title