

A. N9-31E 431.50'
 B. S11-33E 1255.60'
 C. N22-00W 873.57'

New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 in 200
 Source of Elevation Jana, W. Va. Sec Rts. 9 + 11 Elev. 838'

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." *Wayne D. Norton*

Company Petroleum Development Corp.
 Address 103 E 35th Main St., Bridgeport, W. Va.
 Farm Harrison Ritchie Oil + Gas, C.M. FORD
 Tract _____ Acres 87 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 980'
 Quadrangle Smithburg 7.5'; CENTERPOINT 15'
 County Doddridge District Grant
 Engineer Wayne D Norton
 Engineer's Registration No. 624
 File No. _____ Drawing No. _____
 Date Dec. 27 1978 Scale 1" = 500'

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

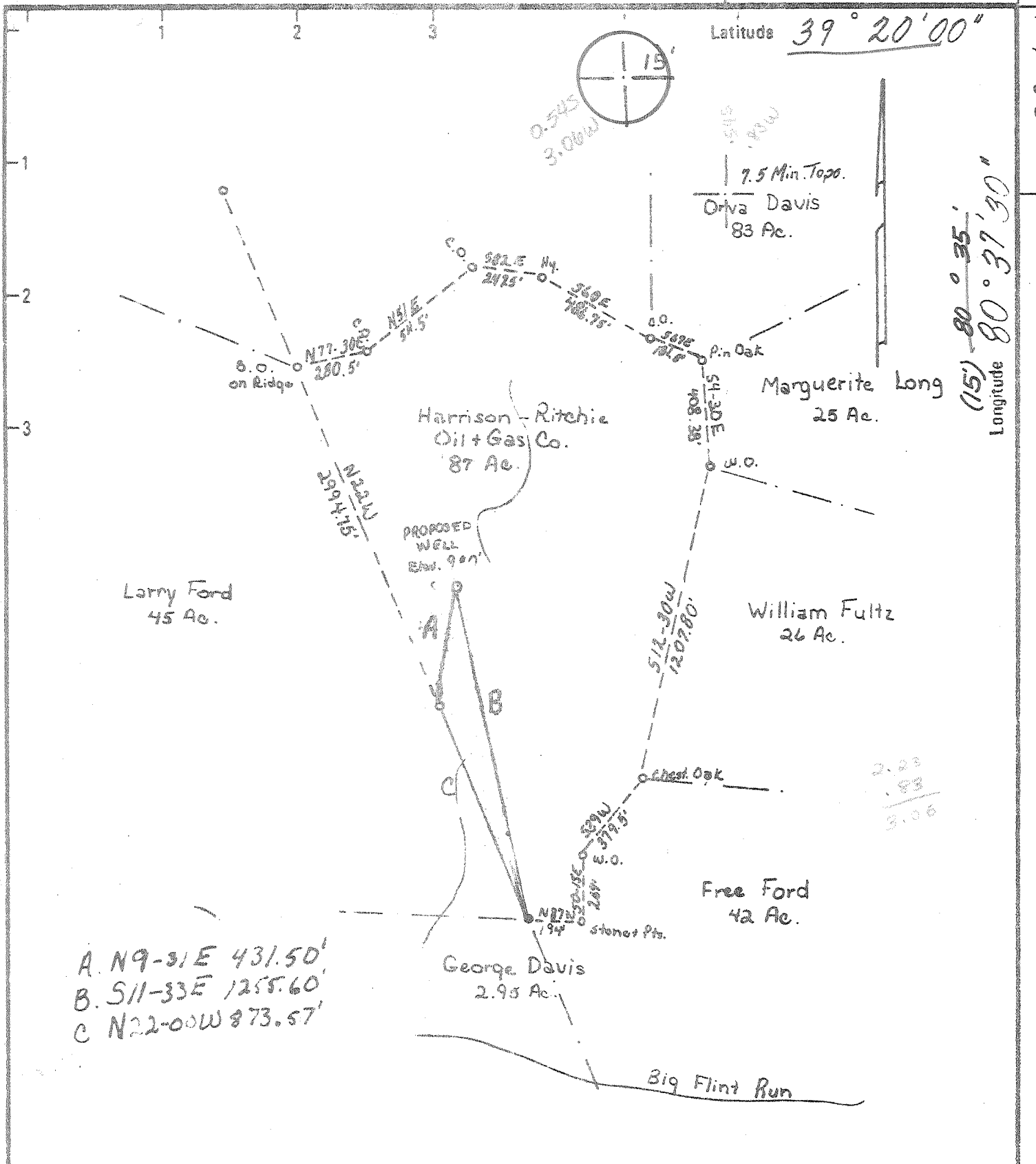
WELL LOCATION MAP
 FILE NO. 47-017-2333

C as called

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

JAN 16 1984



A. N9-31E 431.50'
 B. S11-33E 1255.60'
 C. N22-00W 873.57'

New Location <input checked="" type="checkbox"/> Drill Deeper <input type="checkbox"/> Abandonment <input type="checkbox"/>	Minimum Error of Closure <u>1 in 200</u> Source of Elevation <u>June, W. Va. Sec Rts. 3 + 11 Elev. 838'</u> "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." <i>Wayne D. Norton</i>
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Company Petroleum Development Corp.
 Address 103 East Main St., Bridgeport, W. Va.
 Farm Harrison Ritchie Oil + Gas, C.M. FORD
 Tract _____ Acres 87 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 980' SC
 Quadrangle Smithburg 7.5'; CENTERPOINT 15'
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WELL LOCATION MAP
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FEB 6 1979



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JAN 16 1979

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 January 12, 1979

Surface Owner C.M. Ford
Address Route 2, Salem, WV
Mineral Owner Harrison-Ritchie O & G Company
Address Clarksburg, West Virginia
Coal Owner C. M. Ford
Address Route 2, Salem WV
Coal Operator _____
Address _____

Company Petroleum Development Corporation
Address P.O. Box 26 Bridgeport, WV 26330
Farm Harrison-Ritchie O&G Co. Acres 87
Location (waters) Flint Run
Well No. One Elevation 980'
District Grant County Doddridge
Quadrangle Smithburg

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 9-17-79.

INSPECTOR
TO BE NOTIFIED Paul Garrett
ADDRESS Clarksburg, West Virginia 26301
PHONE 622-3871

[Signature]
Deputy Director - Oil & Gas Division

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 April 26th 1978 by Harrison-Ritchie O & G Co made to C. W. Mutschelknaus and recorded on the 2nd day of October 1978, in Doddridge County, Book 104 Page 744

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,
PETROLEUM DEVELOPMENT CORPORATION
(Sign Name) [Signature]
Well Operator
Address P. O. BOX 26 Street
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

47-017-2333

PERMIT NUMBER

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, WY 26330
 TELEPHONE _____ TELEPHONE 842-6256
 ESTIMATED DEPTH OF COMPLETED WELL: 4800' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS XX 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 - 10 11 3/4	40'	40'	Surface
9 - 5/8			
8 - 5/8	900'	900'	Surface
7			
5 1/2			
4 1/2		4750'	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 25' FEET 100' SALT WATER _____ FEET

APPROXIMATE COAL DEPTHS 200' 650'

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