



Minimum Error of Closure 1 in 200'
 Source of Elevation Elev. at terminus of Flint Run Road at U.S. No. 50-938'

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.

Fracture
 New Location
 Drill Deeper
 Abandonment

Signed: Matthew J. [Signature]
 Squares: N S E W

Company Ramco Oil & Gas Corp
 Address P.O. Box 99, Balpre, Ohio
 Farm Elizabeth Davis tract
 Tract Acres 3/4 Lease No.
 Well (Farm) No. Ramco No. 1 Serial No.
 Elevation (Spirit Level) 962
 Quadrangle Centerpoint SE
 County Doddridge District Grant
 Engineer Matthew J. [Signature]
 Engineer's Registration No. 1227
 File No. Drawing No.
 Date Sept 18, 1972 Scale 1" = 400' = 660'

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

WELL LOCATION MAP

FILE NO. Road-1695

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

34-30
Q-3
(9)

Quadrangle Centerpoint
Permit No. DOD-1695

Rotary Oil
Cable _____ Gas
Recycling _____ Comb.
Water Flood _____ Storage
Disposal _____ (Kind)

Company RAMCO Oil & Gas Corp.
Address P.O. Box 99, Belpre, Ohio 45714
Farm Elizabeth Davis Acres 314
Location (waters) Flint Run
Well No. 1 Elev. 962'
District Grant County Doddridge
The surface of tract is owned in fee by Elizabeth Davis Heirs
Address Centerpoint, W. Va.
Mineral rights are owned by Elizabeth Davis Heirs
Address Centerpoint, W. Va.
Drilling Commenced 10/3/72
Drilling Completed 10/9/72
Initial open flow M cu. ft. _____ bbls.
Final production 1,500,000 cu. ft. per day _____ bbls.
Well open 24 hrs. before test 550 RP.

| Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
|-------------------|------------------|--------------|-------------------------------|
| Size 20-16 | | | |
| Cond. 13-10" | | | |
| 9 5/8 | | | |
| 8 5/8 | 180' | 180' | 50 sks. |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 2026' | 75 sks. |
| 3 | | | |
| 2 | | | |
| Liners Used | | | |

Well treatment details: Attach copy of cementing record. Lawson Cementing Co.
Fractured - Halliburton - 770 bbls. water; 42,000# 20/40 sand; 500# 10/20 sand;
1,500 gals regular 15% acid.

Perforations: 1940' - 1942' 2 holes; 1943' - 1945' 2 holes; 1948' - 1950' 2 holes;
1953' - 1955' 2 holes; 1960' - 1962' 3 holes; 1972' - 1974' 3 holes.

Coal was encountered at none reported Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 1940' - 1974'

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|--------------|-------|--------------|----------|-------------|-------------------|-----------|
| Shale | | Soft | 0 | 45 | | |
| Sand & Shale | | Soft | 45 | 755 | | |
| Shale | | Soft | 755 | 935 | | |
| Shale & Sand | | Soft | 935 | 1000 | | |
| Shale | | Soft | 1000 | 1205 | | |
| Sand & Shale | | Soft | 1205 | 1380 | | |
| Sand | | Hard | 1380 | 1430 | | |
| Sand & Shale | | Soft | 1430 | 1846 | | |
| * Big Lime | | Hard | 1846 | 1894 | | |
| * Keener | | Hard | 1894 | 1930 | | |
| * Big Injun | | Hard | 1930 | 1990 | | |
| * Squaw | | Hard | 1990 | 2008 | | |
| Shale | | Soft | 2008 | 2027 | | |
| TD | | | 2027 | | | |

(over)

* Indicates Electric Log tops in the remarks section.

JUL 24 1973



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

OCT 2 1972

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE October 2, 1972

Surface Owner Elizabeth Davis Heirs
Address Centerpoint, W. Va.
Mineral Owner Elizabeth Davis Heirs
Address Centerpoint, W. Va.
Coal Owner Elizabeth Davis Heirs
Address Centerpoint, W. Va.
Coal Operator None - no coal is being mined
Address in this area.

Company RAMCO Oil & Gas Corp.
Address P. O. Box 99, Belpre, Ohio 45714
Farm Elizabeth Davis Acres 314
Location (waters) Flint Run
Well No. 1 Elevation 962'
District Grant County Doddridge
Quadrangle Centerpoint

INSPECTOR TO BE NOTIFIED you own.
Blessen
Box 1857 PH: Fairmont
Calfax, 363-9105
W. Va. 26566

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 2-2-73.

Robert H. Todd
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 February 10, 19 72 by James F. Scott made to RAMCO Oil & Gas Corp. and recorded on the 18th day of February 19 72, in Doddridge County, Book 95 Page 619

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.

Very truly yours, RAMCO Oil & Gas Corp.
(Sign Name) Neal R. [Signature]

Well Operator
P. O. Box 99

Address
of
Well Operator

Street
Belpre

City or Town
Ohio 45714

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.

BOND DRILL

Dodd-1695 PERMIT NUMBER

[Signature]

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Hank Snow _____ NAME Erud Crouse _____
 ADDRESS Salem, W. Va. _____ ADDRESS Pt. #1, Box 174, Grantsville, W. Va. _____
 TELEPHONE (304) 782-1336 _____ TELEPHONE (304) 354-7657 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 2100' _____ ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun _____
 TYPE OF WELL: OIL _____ 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 - 10 | | | |
| 9 - 5/8 | | | |
| 8 - 5/8 | 150' | 150' | 150' |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 2100' | 350' |
| 3 | | | Perf. Top |
| 2 | | | Perf. Bottom |
| Liners | | | Perf. Top |
| | | | Perf. Bottom |

APPROXIMATE FRESH WATER DEPTHS 50 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS none _____
 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