



Minimum Error of Closure 1 in 200'

Source of Elevation Elev. Location No. 1 = 962'

- Fracture
- New Location
- Drill Deeper
- Abandonment

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.

Signed: M. S. Hays  
 Squares: N S E W

Company RAMCO OIL & GAS CORP.  
 Address P.O. Box 99, Belpra, Ohio  
 Farm Elizabeth Davis  
 Tract \_\_\_\_\_ Acres 314 Lease No. \_\_\_\_\_  
 Well (Farm) No. Two Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1022  
 Quadrangle Centerpoint SC  
 County Doddridge District Grant  
 Engineer M. S. Hays  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Sept. 29, 1972 Scale 1" = 400' = 660'

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

**WELL LOCATION MAP**  
 FILE NO. Road-11696

+ 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

Quadrangle Centerpoint  
Permit No. DOD-1696

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

Company <u>RAMCO Oil &amp; Gas Corp.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O. Box 99, Belpre, Ohio 45714</u>	Size			
Farm <u>Elizabeth Davis</u> Acres <u>314</u>	20-16			
Location (waters) <u>Flint Run</u>	Cond.			
Well No. <u>2</u> Elev. <u>1022'</u>	13-10"			
District <u>Grant</u> County <u>Doddridge</u>	9 5/8			
The surface of tract is owned in fee by <u>Elizabeth Davis Heirs</u>	8 5/8	<u>180'</u>	<u>180'</u>	<u>100 sks.</u>
Address <u>Centerpoint, W. Va.</u>	7			
Mineral rights are owned by <u>same</u>	5 1/2			
Address _____	4 1/2		<u>2078'</u>	<u>100 sks.</u>
Drilling Commenced <u>11/6/72</u>	3			
Drilling Completed <u>11/11/72</u>	2			
Initial open flow <u>72</u> cu. ft. _____ bbls.	Liners Used			
Final production <u>1,400,000</u> cu. ft. per day _____ bbls.				
Well open <u>24</u> hrs. before test <u>550#</u> RP.				

Well treatment details: Attach copy of cementing record. Lawson Cementing Co.  
Fractured - Halliburton - 705 bbls. water; 35,000# 20/40 sand; 500# 10/20 sand;  
1,500 gals. regular 15% acid.

Perforations: 2019' - 2023' 4 holes; 2025' - 2029' 8 holes; 2033' - 2035' 4 holes.

Coal was encountered at none reported Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Big Injun Depth 2015' - 2039'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay		Soft	0	20		
Red Rock & Shale		Soft	20	122		
Sandy Shale		Soft	122	265		
Sand		Hard	265	285		
Sandy Shale		Soft	285	440		
Shale		Soft	440	525		
Shale & Sand		Soft	525	824		
Sandy Shale		Soft	824	1175		
Sand		Hard	1175	1289		
Sand & Shale		Soft	1289	1755		
Sand & Lime		Hard	1755	1906		
Big Lime		Hard	1906	1972		
Keener		Hard	1972	2000		
<u>Big Injun</u>		Hard	2000	2043		
Squaw		Hard	2043	2070		
Shale		Soft	2070	2079		
TD			2079			

(over)

\* Indicates Electric Log tops in the remarks section.

JUL 24 1973



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

OCT 10 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 10, 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. 2 Elevation 1022'  
District Grant County Doddridge  
Quadrangle Centerpoint

INSPECTOR TO BE NOTIFIED Mr Tom Blasse  
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 2-10-73.

Robert L. 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 T. Scott made to RAMCO Oil & Gas Corp. and recorded on the 10th 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.  
by: Randall V. Koton  
(Sign Name) \_\_\_\_\_ 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

Rodd-1696 PERMIT NUMBER

**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 Mark Snow \_\_\_\_\_ NAME Bred Crowe \_\_\_\_\_  
 ADDRESS Salem, W. Va. \_\_\_\_\_ ADDRESS Rt. 1, Box 174, Grantville, W. Va. \_\_\_\_\_  
 TELEPHONE (804) 782-1356 \_\_\_\_\_ TELEPHONE (804) 354-7657 \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 2095' \_\_\_\_\_ 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		2095'	350'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 30 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