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JUL 16 1973

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Centerpoint

Permit No. DOD-1706

Company RAMCO Oil & Gas Corp.  
Address P. O. Box 99, Belpre, Ohio 45714  
Farm Elizabeth Davis Acres 314  
Location (waters) Flint Run  
Well No. 6 Elev. 1068'  
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 same  
Address \_\_\_\_\_  
Drilling Commenced 12/6/72  
Drilling Completed 12/15/72  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production 1,600,000 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	254'	254'	80 sks.
7			
5 1/2			
4 1/2		2328'	75 sks.
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record. Lawson Cementing Co.  
Fractured - Halliburton - 645 bbls. water; 30,000# 20/40 sand; 500# 10/20 sand;  
1,500 gals. regular 15% acid.

Perforations: 2263' - 2265' 2 holes; 2277' - 2279' 4 holes; 2283' - 2285' 4 holes;  
2289' - 2291' 4 holes; 2297' - 2299' 2 holes.

Coal was encountered at none reported Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Big Injun Depth 2261' - 2306'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay		Soft	0	15		
Sand		Hard	15	30		
Sandy Shale		Soft	30	851		
Sand & Shale		Soft	851	1158		
Sandy Shale		Soft	1158	1265		
Sand		Hard	1265	1440		
Sand & Shale		Soft	1440	1680		
Sand		Hard	1680	1760		
Sand & Lime		Hard	1760	1875		
Sand & Shale		Soft	1875	2162		
* Big Lime		Hard	2162	2244		
* Keener		Hard	2244	2260		
* Big Injun		Hard	2260	2314		
Shale		Soft	2314	2331		
TD			2331			

(over)

\* Indicates Electric Log tops in the remarks section.

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Oil and Gas Division

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DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

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.

DATE November 9, 1972  
Company RAMCO Oil & Gas Corp.  
Address P. O. Box 99, Belpre, Ohio 45714  
Farm Elizabeth Davis Acres 314  
Location (waters) Flint Run  
Well No. 6 Elevation 1063'  
District Grant County Doddridge  
Quadrangle Centerpoint

INSPECTOR TO BE NOTIFIED Wm. Blosser  
Colfax, W. Va. PR: 363-9105

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 3-16-73

Robert 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, 1972 by James F. Scott made to RAMCO Oil & Gas Corp. and recorded on the 10th day of February 1972, in Doddridge County, Book 73 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,  
(Sign Name) Randall V. Roton Asst. Sect.  
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

DOD-1706

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 Hank Snow NAME Brad Crouse  
 ADDRESS Salem, W. Va. ADDRESS Rt. 1, Box 174, Grantsville, W. Va.  
 TELEPHONE (304) 782-1356 TELEPHONE (304) 334-7657  
 ESTIMATED DEPTH OF COMPLETED WELL: 2141' 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		2141'	250'
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