



Minimum Error of Closure 1 in 200  
 Source of Elevation Elev. A.C. Ballouz Well No. 1 = 631'

- 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.

Map No. \_\_\_\_\_ Signed: [Signature]  
 Squares: N S E W

Company RAMCO OIL & GAS CO.  
 Address P.O. Box 99, Balpre, Ohio  
 Farm Maria D. Dye  
 Tract \_\_\_\_\_ Acres 68.3 Lease No. \_\_\_\_\_  
 Well (Farm) No. One Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 967'  
 Quadrangle Centerpoint  
 County Doddridge District McGlellan  
 Engineer [Signature]  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date July 22, 1972 Scale 1" = 448' 660'

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

**WELL LOCATION MAP**  
 FILE NO. DOD - 1683

+ 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.



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OIL & GAS  
DEPT. OF MINES

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Rotary  Oil  
Cable  Gas   NO LI  
Recycling  Comb.   
Water Flood  Storage   
Disposal  (Kind)

Quadrangle Centerpoint

Permit No. DODD-1683

Company RAMCO Oil & Gas Corp.  
Address P. O. Box 99, Belpre, Ohio 45714  
Farm Maria Dye Acres 68.3  
Location (waters) Pike Fork  
Well No. 1 Elev. 967'  
District McClellan County Doddridge  
The surface of tract is owned in fee by Mary Davis, Agent  
Address New Martinsville, W. Va.  
Mineral rights are owned by Mary Davis, Agent  
Address New Martinsville, W. Va.  
Drilling Commenced 9/7/72  
Drilling Completed 9/13/72  
Initial open flow 1,000,000 cu. ft. 1 bbls.  
Final production 1,000,000 cu. ft. per day 1 bbls.  
Well open 550 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	182'	182'	90 sks.
7			
5 1/2			
4 1/2		2000'	60 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record. Lawson Cementing Co., Inc.

Perforated - Hitt Well Surveys, Inc. - 1906' to 1909' - 5 holes;  
1917' to 1919' - 5 holes;  
1933' to 1937' - 5 holes.

Fractured - DOWELL - 11/17/72 - 998 bbls. water, 40,000# 20/40 sand - perf balls.

Coal was encountered at none feet 0 inches  
Fresh water 0 feet Salt Water 0 feet  
Producing Sand Big Injun Depth 1905' to 1926' 1932' to 1943'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay & Shale		Soft	0	40		
Sandy Shale		Soft	40	168		
Red Rock		Soft	168	172		
Shaly Sand		Soft	172	195		
Sand & Shale		Soft	195	400		
Sand & Lime		Hard	400	635		
Sand w/Shale Stks.		Soft	635	875		
Shale		Soft	875	1057		
Shaly Sand		Soft	1057	1225		
Sandy Shale		Soft	1225	1445		
Sand		Hard	1445	1525		
Sand w/Shale Stks.		Soft	1525	1620		
Red & Gray Shale		Soft	1620	1788		
Little Lime		Hard	1788	1792		
Pencil Cave		Soft	1792	1820		
Big Lime		Hard	1820	1878		
Keener		Hard	1878	1893		
Shale		Soft	1893	1902		
Big Injun		Hard	1902	1960		
Squaw		Hard	1960	2004		
TD			2004			

(over)

\* Indicates Electric Log tops in the remarks section.

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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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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 July 27, 1972

Surface Owner Mary B. Davis, Agent  
Address New Martinsville, W. Va.  
Mineral Owner Mary B. Davis, Agent  
Address New Martinsville, W. Va.  
Coal Owner Mary B. Davis, Agent  
Address New Martinsville, 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 Maria D. Dye Acres 68.3  
Location (waters) Sycamore  
Well No. 1 Elevation 967'  
District McClellan County Doddridge  
Quadrangle Centerpoint

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the ~~Code~~ Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 12-1-72.

William Blosser  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED William Blosser  
Colfax, W. Va. PH: 363-9105

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 18th day of February 1972, 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) by: Nea Riddle  
Well Operator

Address  
of  
Well Operator

P. O. Box 99  
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

DOB-1683  
DOB-1683

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) 354-7657  
 ESTIMATED DEPTH OF COMPLETED WELL: 2,100' 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	180'	180'	180'
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