





Minimum Error of Closure 1 in 200'  
 Source of Elevation Elev. Well No. 2 = 958'

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: M. J. ...  
 Squares: N S E W

Company RAMCO OIL & GAS CORP.  
 Address P.O. Box 99, Balpre, Ohio.  
 Farm Abraham Talkington  
 Tract \_\_\_\_\_ Acres 161.75 Lease No. \_\_\_\_\_  
 Well (Farm) No. Three Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1228  
 Quadrangle Centerpoint NE  
 County Doddridge District McClellan  
 Engineer M. J. ...  
 Engineer's Registration No. 1227  
 File No. F.B.-82-3 Drawing No. \_\_\_\_\_  
 Date Nov. 16, 1972 Scale 1" = 400' = 660'

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

**WELL LOCATION MAP**

FILE NO. DOD-1717  
NO. 1729

+ 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 3

29-30  
3-51  
(a)

Quadrangle Centerpoint

Permit No. DOD-1729 (formerly DOD-1717)

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 Abe Talkington Acres 161.75  
Location (waters) Talkington Fork  
Well No. 3 Elev. 1228'  
District McClellan County Doddridge  
The surface of tract is owned in fee by \_\_\_\_\_  
Abe Talkington Heirs  
Address Centerpoint, W. Va.  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling Commenced 12/28/72  
Drilling Completed 5/27/73  
Initial open flow show cu. ft. \_\_\_\_\_ bbls.  
Final production 600,000 cu. ft. per day \_\_\_\_\_ bbls.  
Well open 24 hrs. before test 535# RP.  
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <u>x2-10"</u>	<u>580'</u>	<u>580'</u>	<u>75 sks.</u>
<u>9 5/8</u>			
<u>8 5/8</u>	<u>1311'</u>	<u>1311'</u>	
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>		<u>2285'</u>	<u>90 sks.</u>
<u>3</u>			
<u>2</u>			
Liners Used			

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

DOWELL - Fractured - 655 bbls. water; 500 gal. X acid; 36,000# 20/40 sand; 500# 10/20 sand.

Perforated: 2218' to 2231' - 14 holes.

Coal was encountered at 862' Feet 48" Inches  
Fresh water \_\_\_\_\_ Feet Salt Water \_\_\_\_\_ Feet  
Producing Sand Big Injun Depth 2214' - 2220'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock		Soft	0	20		
Slate		Soft	20	35		
Red Rock		Soft	35	60		
Sand		Hard	60	75		
Red Rock		Soft	75	90		
Slate		Soft	90	105		
Red Rock		Soft	105	125		
Sand		Hard	125	150		
Red Rock		Soft	150	165		
Slate		Soft	165	280		
Sand		Hard	280	310		
Slate & Shells		Soft	310	530		
Sand		Hard	530	580		
Lime		Hard	580	862		
Coal		Soft	862	866		
Shale		Soft	866	880		
Slate & Lime		Soft	880	940		
Sand		Hard	940	982		
Slate & Shells		Soft	982	1005		

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock		Soft	1005	1019		
Slate & Shells		Soft	1019	1035		
Sand		Hard	1035	1050		
Slate & Shells		Soft	1050	1080		
Red Shale		Soft	1080	1125		
Slate & Shells		Soft	1125	1290		
Sand		Hard	1290	1315		
Black Slate		Soft	1315	1320		
Slate & Shells		Soft	1320	1375		
Lime & Sand		Hard	1375	1435		
Slate & Shells		Soft	1435	1685		
Sand		Hard	1685	1710		
Slate & Shells		Soft	1710	1735		
Sand		Hard	1735	1775		
Slate & Shells		Soft	1775	1860		
Sand		Hard	1860	1945		
Slate & Shells		Soft	1945	2010		
Slate & Red Rock		Soft	2010	2090		
Little Lime		Hard	2090	2105		
Pencil Cave		Soft	2105	2124		
Big Lime		Hard	2124	2200		*Big Lime 2200'
Sand Injun		Hard	2200	2291		*Big Injun 2202'
TD			2291			

2124  
1228  
896

Date August 28, 19 73

APPROVED RAMCO OIL & GAS CORP., Owner

By \_\_\_\_\_, President  
(Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

APR 9 1973

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 November 9, 1972

Surface Owner Abe Talkington Heirs

Company RAMCO Oil & Gas Corp.

Address Centerpoint, W. Va.

Address P. O. Box 99, Belpre, Ohio 45714

Mineral Owner Abe Talkington Heirs

<sup>Abraham</sup> Farm (Abe) Talkington Acres 162

Address Centerpoint, W. Va.

Location (waters) Talkington Fork

Coal Owner Abe Talkington Heirs

Well No. 3 Elevation 1228'

Address Centerpoint, W. Va.

District McClellan County Doddridge

Coal Operator None - no coal is being mined

Quadrangle Centerpoint

Address in this area.

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 8-9-73.

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

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 March 18, 19 72 by M & M Oil & Gas Co. made to RAMCO Oil & Gas Corp. and recorded on the 1st day of April 19 72 in Doddridge County, Book 95 Page 681

/ 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: [Signature]  
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.

(Formerly DOD-1717)  
DOD-1729

PERMIT NUMBER

[Handwritten]

[Handwritten]





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
NOV 28 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 November 9, 1972

Surface Owner Abe Talkington Heirs  
Address Centerpoint, W. Va.  
Mineral Owner Abe Talkington Heirs  
Address Centerpoint, W. Va.  
Coal Owner Abe Talkington 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, Belore, Ohio 45714  
Farm Abe Talkington Acres 162  
Location (waters) Talkington Fork  
Well No. 3 Elevation 1228'  
District McClellan County Dodridge  
Quadrangle Centerpoint

INSPECTOR TO BE NOTIFIED Wm. Blosser  
Colfax, W. Va. PH: 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 3-28-73.

Robert S. Hall  
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 March 18, 1972 by M. S. M. Oil & Gas Co. made to RAMCO Oil & Gas Corp. and recorded on the 1st day of April 1972, in Dodridge County, Book 95 Page 581

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) by: Randall J. Hester, Dist. Sec.  
Well Operator  
P. O. Box 99

Address  
of  
Well Operator

Street  
Belore  
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.

DOD-1717

PERMIT NUMBER

January  
BOND DRILL

Nov 1729

**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 Garden Drilling Co. NAME Brod Crouse  
 ADDRESS Salem, Illinois ADDRESS Rt. 1, Box 174, Grantsville, W. Va.  
 TELEPHONE \_\_\_\_\_ TELEPHONE (304) 354-7557  
 ESTIMATED DEPTH OF COMPLETED WELL: 2280' 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	<u>200'</u>	<u>200' 875</u>	<u>200' 875</u>
7			
5 1/2			
4 1/2		<u>2280'</u>	<u>250'</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS 840' \_\_\_\_\_  
 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