



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

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: [Signature]
 Squares: N E W

Company RAMCO OIL & GAS CORP.
 Address P.O. Box 99, Balpre, Ohio
 Farm Abraham Talkingington
 Tract _____ Acres 161.75 Lease No. _____
 Well (Farm) No. Ramco Nat Serial No. _____
 Elevation (Spirit Level) 1038
 Quadrangle Centerpoint NE
 County Doddridge District McClellan
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Nov. 13, 1972 Scale 1" = 400' x 660'

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

WELL LOCATION MAP
FILE NO. DODD-1704

+ 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 DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

39-30
3-51
②

Quadrangle Centerpoint

Permit No. DOD-1704

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

Company RAMCO Oil & Gas Corp.
Address P. O. Box 99, Belpre, Ohio 45714
Farm Abe Talkington Acres 162
Location (waters) _____
Well No. 1 Elev. 1000'
District McClellan County Doddridge
The surface of tract is owned in fee by _____
Ralph Ash
Address Reno, Ohio
Mineral rights are owned by Abe Talkington Heirs et al
Address Centerpoint, W. Va.
Drilling Commenced 11/12/72
Drilling Completed 11/18/72
Initial open flow _____ cu. ft. _____ bbls.
Final production 1,500 MCF 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	209'	209'	100 sks.
7			
5 1/2			
4 1/2		2103'	75 sks.
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record. Lawson Cementing Co., Inc.
Fractured - DOWELL - 633 bbls. water; 31,000# 20/40 sand; 500# 10/20 sand; 500 gals. acid.

Perforated: 2003' - 2010' - 7 holes; 2026' - 2028' - 3 holes; 2043' - 2045' - 3 holes.

Coal was encountered at none reported Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2001'-2015'; 2026'-2032'; 2042'-2050'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil		Soft	0	33		
Sand & Shale		Soft	33	360		
Lime & Sand		Hard	360	740		
Sand & Shale		Soft	740	1870		
Little Lime		Hard	1870	1887		
Pencil Cave		Soft	1887	1904		
*Big Lime		Hard	1904	1970		
Keener		Hard	1970	1992		
*Big Injun		Hard	1992	2050		
*Squaw		Hard	2050	2100		
TD			2100			

1904
1038
866

(over)

* Indicates Electric Log tops in the remarks section.

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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NOV 9 1972

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
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, Belpre, Ohio 45714
Farm Abe Talkington Acres 162
Location (waters) Talkington Fork
Well No. 1 Elevation 1000'
District McClellan County Doddridge
Quadrangle Centerpoint

INSPECTOR TO BE NOTIFIED Mr. W.M. Blosser
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 3-9-73.

Robert A. 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, 1972 by M. S. M. Oil & Gas Co. made to RAMCO Oil & Gas Corp. and recorded on the 1st day of April 1972, 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,
(Sign Name) by: Randall V. Roten Well Operator
RAMCO Oil & Gas Corp.
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-1704 PERMIT NUMBER
Sweeney

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 Company NAME Brad Crouse
 ADDRESS Salem, Illinois ADDRESS Rt. 1, Box 174, Grantsville, W. Va.
 TELEPHONE _____ TELEPHONE (304) 354-7657
 ESTIMATED DEPTH OF COMPLETED WELL: 2110' 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	200'	200'	200'
7			
5 1/2			
4 1/2		2110'	350'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 660' _____
 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