



Minimum Error of Closure lin 200'
 Source of Elevation Elev. Well No. 1 - location - = 1177

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: _____
 Map No. _____ Squares: N S E W

Company Ramco Oil & Gas Corp.
 Address P.O. Box 99 Belpre, Ohio
 Farm J. F. Randolph Lease
 Tract _____ Acres 51 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 1219 SC
 Quadrangle Salem 7 1/2; Centerpoint 15'
 County Doddridge District Grant
 Surveyor Engineer
 Surveyor's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Oct. 23, 1975 Scale 1" = 300' = 495'

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

WELL LOCATION MAP
 FILE NO. DODD - 1795

+ Denotes location of well on United States Topographic Maps, scale 1 to _____, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing. **47-017**



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SEP 21 1976

OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Salem
Permit No. DOD-1795

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 J. F. Randolph Acres 51
Location (waters) Big Flint
Well No. 2 Elev. 1219'
District Grant County Doddridge
The surface of tract is owned in fee by _____
W. G. Gaskins
Address Salem, W. Va. 26426
Mineral rights are owned by Edwin J. Bond et al
Address Williamsburg, Va. 23185
Drilling Commenced 11/19/75
Drilling Completed 12/ 1/75
Initial open flow _____ cu. ft. _____ bbls.
Final production 1,200 MCF cu. ft. per day _____ bbls.
Well open 24 hrs. before test 500# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 10 3/4	90	90	50 sks.
9 5/8			
8 5/8			
7	885	885	160 sks.
5 1/2			
4 1/2		2315	60 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record. Lawson, Inc.

Fractured by Halliburton - 859 bbls. water; 750 gals. 15% acid, 45,000# 20/40 sand.

Perforations: 2,224' to 2,230' - 4 holes; 2,235' to 2,239' - 3 holes;
2,245' to 2,257' - 7 holes.

Coal was encountered at 834' to 842' Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2219' to 2258'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand, Shale & Red Rock			0	570		
Sand			570	834		
Coal			834	842		
Sand & Shale			842	1315		
Sand			1315	1520		
Sand & Shale			1520	1630		
Sand			1630	1910		
Lime			1910	2080		
Pencil Cave			2080	2108		
Shale & Sand			2108	2117		
Big Lime			- 2117	2178		2117' - Top of Big Lime
Keener			2178	2210		2178' - Top of Keener
<u>Big Injun</u>			2210	2260		2210' - Top of Big Injun
Shale			2260	2307		

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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OCT 27 1975

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 27, 1975

Surface Owner W. G. Gaskins
Address Salem, W. Va. 26426
Mineral Owner Edwin J. Bond et al
Address Williamsburg, Va. 23185
Coal Owner Edwin J. Bond et al
Address Williamsburg, Va. 23185
Coal Operator None - no coal is being mined in this area
Address _____

Company RAMCO Oil & Gas Corp.
Address P. O. Box 99, Belpre, Ohio 45714
Farm J. F. Randolph Acres 51
Location (waters) Big Flint
Well No. 2 Elevation 1219'
District Grant County Doddridge
Quadrangle Salem

THIS PERMIT MUST BE POSTED AT THE WELL SITE.

All provisions being in accordance with Chapter 27 of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 2-27-76

Robert T. Bell
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Garrett
PH: 622-3871 ADDRESS Charlottesville, VA

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 September 4, 1974 by Harold H. Reynolds made to RAMCO Oil & Gas Corp. and recorded on the 16th day of October 1974, in Doddridge County, Book 99 Page 144

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.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505
AC 304-296-4461

Very truly yours, RAMCO Oil & Gas Corp.

(Sign Name) by: Paul E. Mann
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.

BLANKET BOND

Dodd-1795 PERMIT NUMBER
47-017

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 Snow Drilling Company NAME Deon Sturm
 ADDRESS Salem, W. Va. 26426 ADDRESS 3514 Cadillac Dr., Parkersburg, W. Va. 26101
 TELEPHONE (304) 782-1356 TELEPHONE (304) 422-2014
 ESTIMATED DEPTH OF COMPLETED WELL: 2,400' 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	950'	950'	cemented to surface
7			
5 1/2			
4 1/2		2,400'	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 910'
 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