



Minimum Error of Closure 1 in 200

Source of Elevation Elev. Well No. 2: 1057

- 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.

Signed: [Signature]
 Squares: N S E W

Company RAMCO OIL & GAS CORP.
 Address P.O. Box 99, Belpre, Ohio
 Farm James R. Boyce
 Tract Acres 132 Lease No. _____
 Well (Farm) No. Three Serial No. _____
 Elevation (Spirit Level) 940'
 Quadrangle Centerpoint SC
 County Doddridge District McClintock
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date March 28, 1972 Scale 1" = 40 p = 660'

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

WELL LOCATION MAP

FILE NO. Dodd-1725

+ 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

RECEIVED
JAN 8 1974

Oil and Gas Division
WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES

39-30
8-4
②

Quadrangle Centerpoint

Permit No. DOD-1725

Rotary Oil
Cable Gas NO. 1
Recycling Comb
Water Flood Storage
Disposal (Kind)

Company RAMCO Oil & Gas Corp.
Address P.O. Box 99, Belpre, Ohio 45714
Farm James R. Boyce Acres 133
Location (waters) Big Battle Run
Well No. 3 Elev. 940'
District McClellan County Doddridge
The surface of tract is owned in fee by Hickman
Address Centerpoint, W. Va.
Mineral rights are owned by James R. Boyce Heirs
Address Centerpoint, W. Va.
Drilling Commenced 4/7/73
Drilling Completed 4/18/73
Initial open flow cu. ft. bbls.
Final production 1,300MCF ft. per day bbls.
Well open 24 hrs. before test 565# 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	845'	845'	190 sks.
7			
5 1/2			
4 1/2		2139'	75 sks.
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record. Lawson Cementing Co., Inc.
Fractured: Halliburton - 685 bbls. water; 35,000# 20/40 sand; 500# 10/20 sand;
500 gals. 15% HCL.

Perforated: 2092' to 2112' - 14 holes.

Coal was encountered at none reported Feet Inches
Fresh water Feet Salt Water Feet
Producing Sand Big Injun Depth 2088' to 2114'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale		Soft	0	18		
Red Rock		Soft	18	235		
Shale		Soft	235	264		
Shale & Red Rock		Soft	264	375		
Sandy Shale		Soft	375	1355		
Sand		Hard	1355	1463		
Sand & Lime		Hard	1463	1600		
Sand		Hard	1600	1785		
Sand & Shale		Soft	1785	1964		
Shale & Lime		Soft	1964	2022		*Big Lime 1980'
Lime		Hard	2022	2079		*Big Injun 2074'
Sand		Hard	2079	2120		
Sand & Shale		Soft	2120	2160		
TD			2160			

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
MAR 30 1973
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 March 30, 1973
Company RAMCO Oil & Gas Corp.
Address P. O. Box 99, Belore, Ohio 45714
Farm James R. Boyce Acres 133
Location (waters) Big Bottle Run
Well No. 3 Elevation 940'
District McClellan County Doddridge
Quadrangle Centerpoint

Surface Owner Hickman
Address Centerpoint, W. Va.
Mineral Owner J. K. Boyce heirs
Address Centerpoint, W. Va.
Coal Owner J. K. Boyce heirs
Address Centerpoint, W. Va.
Coal Operator None - no coal is being mined in
Address this area.

INSPECTOR TO BE NOTIFIED Mr. Wm. Blessin
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 7/30/73.
Robert F. Ad
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 1972 by James F. Scott made to RAMCO Oil & Gas Corp. and recorded on the 10th 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.
by: Russell W. Sutton, Asst. Sect.
(Sign Name) _____
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.

BOND DRILL

Redd-1725 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 Grantsville, W. Va. _____
 TELEPHONE (304) 782-1356 _____ TELEPHONE (304) 354-7657 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 2070' _____ 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	620	620	
7			
5 1/2			
4 1/2		2070	70 scks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 590' _____, _____
 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