



30955
1.19W
ok

Minimum Error of Closure 1 in 200'

Sources of Elevation U.S.G.S. elev. at Centerpoint = 790'

- 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: Matthew J. [Signature]
Squares: N S E W

Company	<u>BAMCO OIL & GAS CORP.</u>
Address	<u>P.O. Box 99, Beloit, Ohio</u>
Farm	<u>T. B. Harbert</u>
Tract	<u>Acres 85 Lease No.</u>
Well (Farm) No.	<u>Two Serial No.</u>
Elevation (Spirit Level)	<u>1133</u>
Quadrangle	<u>Centerpoint C</u>
County	<u>Doddridge District McClellan</u>
Engineer	<u>[Signature]</u>
Engineer's Registration No.	<u>1227</u>
File No.	<u>Drawing No.</u>
Date	<u>July 7, 1973</u> Scale 1" = 40 poles = 660'

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

WELL LOCATION MAP

FILE NO. Dodd-1744

+ 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. 47-017



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

39-30
5-44

Quadrangle Centerpoint

Permit No. DOD-1744

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 T. B. Harbert Acres 85
Location (waters) Round Bottom Run
Well No. 2 Elev. 1133'
District McClellan County Doddridge
The surface of tract is owned in fee by _____
Harold Terry
Address Vienna, W. Va.
Mineral rights are owned by T. B. Harbert Heirs
Address Salem, W. Va.
Drilling Commenced 9/29/73
Drilling Completed 10/5/73
Initial open flow _____ cu. ft. _____ bbls.
Final production 780MCF cu. ft. per day _____ bbls.
Well open 24 hrs. before test 420# 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	555'	555'	130 sks.
7			
5 1/2			
4 1/2		2195'	45 sks.
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record. Lawson Cementing Co., Inc.
Fractured: DOWELL - 630 bbls. water; 30,000# 20/40 sand; 500# 10/20 sand; 500 gals. 15% HCL.

Perforated: (2159' to 2178') - 12 holes.

Coal was encountered at 499' Feet 132" Inches
Fresh water _____ Feet Salt Water _____ Feet
Producing Sand Big Injun Depth 2159' to 2182'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand, Red Rock, Shale		Soft	0	410		
Sand & Red Rock		Soft	410	499		
Coal		Soft	499	510		
Sand		Hard	510	555		
Shale & Red Rock		Soft	555	650		
Sand & Red Rock		Soft	650	898		
Shale		Soft	898	1175		
Sand & Shale		Soft	1175	1325		
Sand & Red Rock		Soft	1325	1650		
Shale		Soft	1650	1750		
Sand, Shale, Red Rock		Soft	1750	2025		
Blue Monday		Hard	2025	2062		Big Lime 2042'
Big Lime		Hard	-2062	2157		Big Injun 2144'
Big Injun		Hard	2157	2192		

(over)

* Indicates Electric Log tops in the remarks section.

FEB 21 1974



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

423-9591

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE July 12, 1973

Surface Owner T. B. Harbert Heirs
Address Sadelia, W. Va.
Mineral Owner T. B. Harbert Heirs
Address Sadelia, W. Va.
Coal Owner T. B. Harbert Heirs
Address Sadelia, 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 T. B. Harbert Acres 85
Location (waters) Round Bottom Run McElroy Cr.
Well No. 2 Elevation 1133'
District McClellan County Doddridge
Quadrangle Centerpoint

INSPECTOR TO BE NOTIFIED Blasie
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 11-13-73.
Robert L. Padd
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 Dec. 8, 1972 by Columbia Gas Transmission Corp. made to RAMCO Oil & Gas Corp. and recorded on the _____ day of _____ 19____, in _____ County, Book _____ Page _____

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: Randall W. Burt
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

10 add-1744 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 Hank Snow - Snow Drilling Co., Inc. NAME Brad Crouse
 ADDRESS P.O.Box 426, Salem, W. Va. ADDRESS Rt. #1, Box 174, Grantsville, W. Va.
 TELEPHONE (304) 782-1356 TELEPHONE (304) 354-7657
 ESTIMATED DEPTH OF COMPLETED WELL: 2175' 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	640'	640'	cemented to surface
7			
5 1/2			
4 1/2		2175'	300'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS FEET SALT WATER FEET
 APPROXIMATE COAL DEPTHS 610'
 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