



Minimum Error of Closure 1 in 200

Source of Elevation U.S.G.S. elev. at Centerpoint = 790

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 S E W

Map No. _____

Company SAMCO OIL AND GAS CORP.

Address P.O. Box 99, Belors, Ohio

Farm T. B. Harbert

Tract Acres 85 Lease No. _____

Well (Farm) No. One Serial No. _____

Elevation (Spirit Level) 942

Quadrangle Centerpoint C

County Doddridge District McClallen

Engineer [Signature]

Engineer's Registration No. 1227

File No. _____ Drawing No. _____

Date July 7, 1973 Scale 1" = 400' = 660'

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

WELL LOCATION MAP

FILE NO. Dodd-1743

+ 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
② 5-45

Quadrangle Centerpoint

Permit No. DOD-1743

Rotary Oil _____
Cable _____ Gas No. _____
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. 1 Elev. 942'
District McClellan County Doddridge
The surface of tract is owned in fee by _____
Ford Heirs
Address Salem, W. Va.
Mineral rights are owned by T.B. Harbert Heirs
Address Salem, W. Va.
Drilling Commenced 10/6/73
Drilling Completed 10/10/73
Initial open flow _____ cu. ft. _____ bbls.
Final production 600MCF cu. ft. per day _____ bbls.
Well open 24 hrs. before test 410# 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	525'	525'	213 sks.
7			
5 1/2			
4 1/2		2108'	75 sks.
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record. Lawson Cementing Co., Inc.
Fractured: DOWELL - 689 bbls. water; 500 gals. 15% HCL; 30,000# 20/40 sand; 500# 10/20 sand.
Perforated: (1920' to 1932') - 13 holes

Coal was encountered at 405' Feet 96" Inches
Fresh water _____ Feet Salt Water _____ Feet
Producing Sand Big Injun Depth 1918' to 1932'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale, Sand, Red Rock		Soft	0	19		
Red Rock		Soft	19	255		
Sand		Hard	255	377		
Sand & Shale		Soft	377	405		
Coal		Soft	405	413		
Sand & Shale		Soft	413	525		
Sand		Hard	525	703		
Sand, Shale, Red Rock		Soft	703	1180		
Sand & Shale		Soft	1180	1494		
Sand, Shale, Red Rock		Soft	1494	1816		
Big Lime		Hard	-1816	1875		Big Lime 1810'
Sand - <u>Big Injun</u> + Keener		Hard	1875	2006		Keener 1874'
Shale		Soft	2006	2025		<u>Big Injun 1906'</u>

(over)

* Indicates Electric Log tops in the remarks section.



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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 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) Salmon Run Round Bottom Run / McElroy Cr
Well No. 1 Elevation 942'
District McClellan County Doddridge
Quadrangle Centerpoint

INSPECTOR TO BE NOTIFIED

Mr. Wm. Blasse
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 H. Fode
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 J. Rotom
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

Dodd-1743 PERMIT NUMBER
47-017

