



Minimum Error of Closure 1 in 200'

Source of Elevation U.S.G.S.B.M. 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.

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

Map No. _____

Company RAMCO OIL & GAS CO.
 Address P.O. Box 99, Belpre, Ohio
 Farm J. L. Haddox
 Tract _____ Acres 62 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 942
 Quadrangle Centerpoint NE
 County Doddridge District McClellan
 Engineer Matthew J. [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date December 17, 1971 Scale 1" = 200' = 400'

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

WELL LOCATION MAP

FILE NO. 000-1658

+ 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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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

WELL RECORD

Quadrangle Centerpoint
Permit No. DOD-1658

Rotary Oil _____
Cable _____ Gas S. No. _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company RAMCO Oil & Gas Corp.
Address P. O. Box 99, Belpre, Ohio 45714
Farm J. L. Haddox Acres 63
Location (waters) Talkington Fork
Well No. 2 Elev. 942'
District McClellan County Doddridge
The surface of tract is owned in fee by
Guy B. Ash
Address Salem, W. Va.
Mineral rights are owned by C.W. Mutschelknaus
Address Salem, W. Va.
Drilling Commenced 12/28/71
Drilling Completed 1/2/72
Initial open flow mf cu. ft. _____ bbls.
Final production 1,350,000 ft. per day _____ bbls.
Well open 48 hrs. before test 650# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Concl. 13-10"			
9 5/8			
8 5/8	179'	179'	50 sacks
7			
5 1/2			
4 1/2		1960'	80 sacks
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record. Lawson Cementing Co.
DOWELL - Fractured, 1165 bbls. water, 50,000# 20/40 sand

Perforated - 1904' - 6 holes 1916' - 8 holes

Coal was encountered at 98 Feet 36 Inches
Fresh water 159 Feet Salt Water _____ Feet
Producing Sand Big Injun Depth 1902' to 1920'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil		soft	0	20		
Sand & Shale		soft	20	98		
Coal		soft	98	101		
Sand & Shale		soft	101	380	water at 159'	1892 942 950
Sand		hard	380	734		
Shale		soft	734	915		
Sand & Shale		soft	915	1713		
Red Rock		soft	1713	1785		
Pencil Cave		soft	1785	1808		
*Big Lime		hard	1808	1870		*Big Lime 1808' to 1870'
*Keener Sand		hard	1870	1890		*Keener Sand 1870' to 1890'
Shale		soft	1890	1892		
*Big Injun		hard	1892	1962		*Big Injun 1892' to 1962'
Squaw Sand		hard	1962	1986		
Shale		soft	1986	2028		
TD			2028			

(over)

* Indicates Electric Log tops in the remarks section.

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