



Minimum Error of Closure 1 in 200'
 Source of Elevation U.S.G.S. elevation at mouth of run = 874'

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 RAMCO OIL & GAS CO.
 Address P.O. Box 99, Belpre, Ohio, U.S.A.
 Farm Clinton Oak
 Tract _____ Acres 64 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1242
 Quadrangle Centerpoint S
 County Doddridge District Grant
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Dec. 28, 1971 Scale 1" = 300' = 495'

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

WELL LOCATION MAP
 FILE NO. DOP-1661

+ 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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OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD 2

39-30
8-2
②

Quadrangle Centerpoint
Permit No. DODD-1661

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 Clinton Dock Acres 64
Location (waters) Big Flint
Well No. 1 Elev. 1242'
District Grant County Doddridge
The surface of tract is owned in fee by _____
Chester Wallace
Address Salem, W. Va.
Mineral rights are owned by Charles Welch et al
Address Parkersburg, W. Va.
Drilling Commenced December 31, 1971
Drilling Completed April 3, 1972
Initial open flow show cu. ft. _____ bbls.
Final production 500,000 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 <u>13"</u>			125 sks.
Cond. <u>20'</u>	<u>20'</u>	<u>20'</u>	
<u>3x10"</u>	<u>630'</u>	<u>630'</u>	80 sks.
<u>9 5/8</u>			
<u>8 5/8</u>	<u>1200'</u>	<u>685'</u>	
<u>7</u>			
<u>5 1/2</u>			
<u>4 1/2</u>		<u>2171'</u>	
<u>3</u>			
<u>2</u>			
Liners Used			

Well treatment details:
Attach copy of cementing record. Lawson Cementing Co., Inc.
Perforated - Hitt Well Surveys, Inc. - (2065' to 2078') - 15 holes
Fractured - Halliburton - 3/2/72 - 600 bbls. water, 18,000# 20/40 sand

Coal was encountered at 381' to 383' Feet 24" Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2070' to 2091'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Red Rock		Soft	0	18		
Sand		Hard	18	55		
Red Rock		Soft	55	65		
Lime		Hard	65	145		
Coal		Soft	145	146		
Slate		Soft	146	213		
Red Rock		Soft	213	245		
Slate		Soft	245	360		
Red Rock		Soft	360	365		
Slate		Soft	365	381		
Coal		Soft	381	383		
Slate		Soft	383	398		
Lime		Hard	398	579		
Slate		Soft	579	605		
Sand		Hard	605	665		
Slate		Soft	665	872		
Red Rock		Soft	872	906		
Slate		Soft	906	967		
Red Rock		Soft	967	980		
Slate		Soft	980	1090		

(over)

* Indicates Electric Log tops in the remarks section.

MAR 29 1973

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand		Hard	1090	1101		
Slate		Soft	1101	1240		
Sand		Hard	1240	1268		
Slate		Soft	1268	1306		
Lime		Hard	1306	1330		
Sand		Hard	1330	1380		
Lime		Hard	1380	1430		
Sand		Hard	1430	1467		
Slate		Soft	1467	1545		
Sand		Hard	1545	1859		
Red Lime		Hard	1859	1886		
Slate & Shale		Soft	1886	1899		
Lime		Hard	1899	1925		
Slate		Soft	1925	1930		
Big Lime		Hard	1930	1987	show oil 1985'-1990'	*1941'
<u>Sand, Big Injun</u>		Hard	1987	2130	show gas 2055'-2070'	*2005'
Slate		Soft	2130	2171	gas 2109' - 2115'	
TD			2171			

Date March 9, 19 73

APPROVED RAMCO Oil & Gas Corp., Owner

By Ned Rudder, President
(Title)