



Minimum Error of Closure 1 in 200
 Source of Elevation U.S.G.S. B.M. 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]
 Map No. _____ Squares: N S E W

Company RAMCO OIL & GAS CO.
 Address P.O. Box 99, Belpre, Ohio
 Farm J. L. Haddox
 Tract _____ Acres 63 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 982'
 Quadrangle Centerpoint NE
 County Doddridge District McClellan
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Dec. 16, 1971 Scale 1" = 30 P = 495'

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

WELL LOCATION MAP
 FILE NO. DOD - 1657

+ 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
Oil and Gas Division
WELL RECORD

Quadrangle Centerpoint
Permit No. DOD-1657

Rotary _____ Oil _____
Cable Gas c. hole
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. 1 Elev. 982'
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 2/2/72
Initial open flow show cu. ft. _____ bbls.
Final production 863,000 cu. 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			
Cond. 13-10"			
10 3/4"	205'	205'	55 sacks
8 5/8			
7			
5 1/2			
4 1/2		2055'	40 sacks
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record. **Lawson Cementing Co.**
Halliburton fractured - 900 bbls. 40,000# 20/40 sand.

863 Mcf

Coal was encountered at none Feet _____ Inches _____
Fresh water 20 Feet hole full Salt Water 1303 to 1345 Feet _____
Producing Sand Big Injun Depth 1958' to 1971'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil		Soft	0	5		
Gravel		Soft	5	10		
Slate		Soft	10	60		water at 20' hole full
Black Slate		Soft	60	70		
Slate & Lime Shells		Soft	70	80		
Red Rock		Soft	80	96		
Slate & Shells		Soft	96	156		
Red Rock		Soft	156	170		
Slate & Shells		Soft	170	190		
Black Slate		Soft	190	195		
Slate & Shells		Soft	195	237		
Sand		Hard	237	275		
Slate		Soft	275	300		
Lime		Hard	300	445		
Slate & Shells		Soft	445	575		
Black Slate		Soft	575	585		
Slate & Shells		Soft	585	640		
Lime		Hard	640	650		
Slate & Shells		Soft	650	660		

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OIL & GAS DIVISION
DEPT. OF MINES

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet /	Bottom Feet	Oil, Gas or Water	* Remarks
Sand		Hard	660	695		
Slate		Soft	695	710		
Red Rock		Soft	710	731		
Sand		Hard	731	754		
Slate & Shells		Soft	754	772		
Red Rock		Soft	772	835		
Slate & Shells		Soft	835	880		
Red Rock		Soft	880	910		
Slate & Shells		Soft	910	970		
Sand		Hard	970	990		
Slate & Lime Shells		Soft	990	1010		
Sand		Hard	1010	1040		
Black Slate		Soft	1040	1055		
Sand		Hard	1055	1104	show of oil at 1086'	
Slate		Soft	1104	1165	show of gas at 1165'	
Sand		Hard	1165	1175		
Slate		Soft	1175	1180		
Sand		Hard	1180	1264		
Slate		Soft	1264	1278		
Sand		Hard	1278	1352	water 1303' to 1345'	
Slate & Lime Shells		Soft	1352	1395		
Sand		Hard	1395	1412		
Slate & Lime Shells		Soft	1412	1486		
Sand		Hard	1486	1500		
Slate & Lime Shells		Soft	1500	1504		
Sand		Hard	1504	1530		
Slate & Shells		Soft	1530	1600		
Sand		Hard	1600	1619		
Broken Sand		Hard	1619	1681		
Red Rock		Soft	1681	1691		
Slate & Shells		Soft	1691	1700		
Pink Rock		Soft	1700	1800		
Little Lime		Hard	1800	1843		
Pencil Cave		Soft	1843	1849		
* Big Lime		Hard	1849	1932	* Big Lime 1870' to 1942'	
* Big Injun		Hard	1932	2000	show of oil & gas at 1945' to 1953'	
Slate & Shells		Soft	2000	2030	* Big Injun 1946' to 2025'	
TD			2030			

1849
785
867

Date March 29, 19 72

APPROVED AMCO Oil & Gas Corp. Owner
By Neil Madden, President
(Title)