



LONGITUDE 80° 35'

Minimum Error of Closure 1 in 200'

Source of Elevation B. Met 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: [Signature]
 Squares: N S E W

Map No.

Company Ranco Oil & Gas Co.
 Address P.O. Box 99, Belpre, Ohio
 Farm Fred Freeman, et al
 Tract _____ Acres 16 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1083
 Quadrangle Centerpoint C
 County Doddridge District McClellan
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Dec. 4, 1971 Scale 1" = 200' = 330'

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

WELL LOCATION MAP

FILE NO. DDO-1655

+ 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 & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Centerpoint

Permit No. DOD-1655

Rotary Oil _____
 Cable _____ Gas NOLOG
 Recycling _____ Comb. _____
 Water Flood _____ Storage _____
 Disposal _____ (Kind)

Company <u>RAMCO Oil & Gas Corp.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P. O. Box 99, Belpre, Ohio 45714</u>				
Farm <u>Fred Freeman Heirs</u> Acres <u>46</u>	Size			
Location (waters) <u>Talkington Fork</u>	20-16			
Well No. <u>1</u> Elev. <u>1083'</u>	Cond.			
District <u>McClellan</u> County <u>Doddridge</u>	13-10"			
The surface of tract is owned in fee by <u>Fred Freeman Heirs</u>	9 5/8			
Address <u>Salem, W. Va.</u>	8 5/8	<u>177'</u>	<u>177'</u>	<u>70 sacks</u>
Mineral rights are owned by <u>Fred Freeman Heirs</u>	7			<u>80 sacks</u>
Address <u>Salem, W. Va.</u>	5 1/2			
Drilling Commenced <u>12/6/71</u>	4 1/2		<u>2146'</u>	<u>80 sacks</u>
Drilling Completed <u>12/22/71</u>	3			
Initial open flow <u>1,200,000</u> cu. ft. _____ bbls.	2			
Final production _____ cu. ft. per day _____ bbls.	Liners Used			
Well open <u>48</u> hrs. before test <u>550#</u> RP.				

Well treatment details: DOWELL - Fractured - 930 bbls. water, 50,000# 20/40 sand. Attach copy of cementing record. Lawson Cementing Co.

Perforated - 2053' - 6 holes, 2055' - 8 holes

Coal was encountered at 145' Feet 20" Inches
 Fresh water _____ Feet Salt Water _____ Feet
 Producing Sand Big Injun Depth 2046' to 2070'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil		soft	0	20		
Shale		soft	20	95		
Red Rock		soft	95	145		
Coal		soft	145	147		
Sand & Shale		soft	147	188		
Shale		soft	188	387		
Sandy Shale		soft	387	800		
Red Rock		soft	800	903		
Sand & Shale		soft	903	1505		
Shale		soft	1505	1630		
Sand & Shale		soft	1630	1930		
Pencil Cave		soft	1930	1956		
* Big Lime		hard	1956	2016		*Big Lime 1956' to 2016'
* Keener Sand		hard	2016	2036		*Keener Sand 2016' to 2036'
* Big Injun		hard	2036	2076		*Big Injun 2036' to 2076'
* Squaw Sand		hard	2076	2120		*Squaw Sand 2076' to 2120'
Shale		soft	2120	2156		
TD			2156			

(over)

* Indicates Electric Log tops in the remarks section.

MAY 15 1972