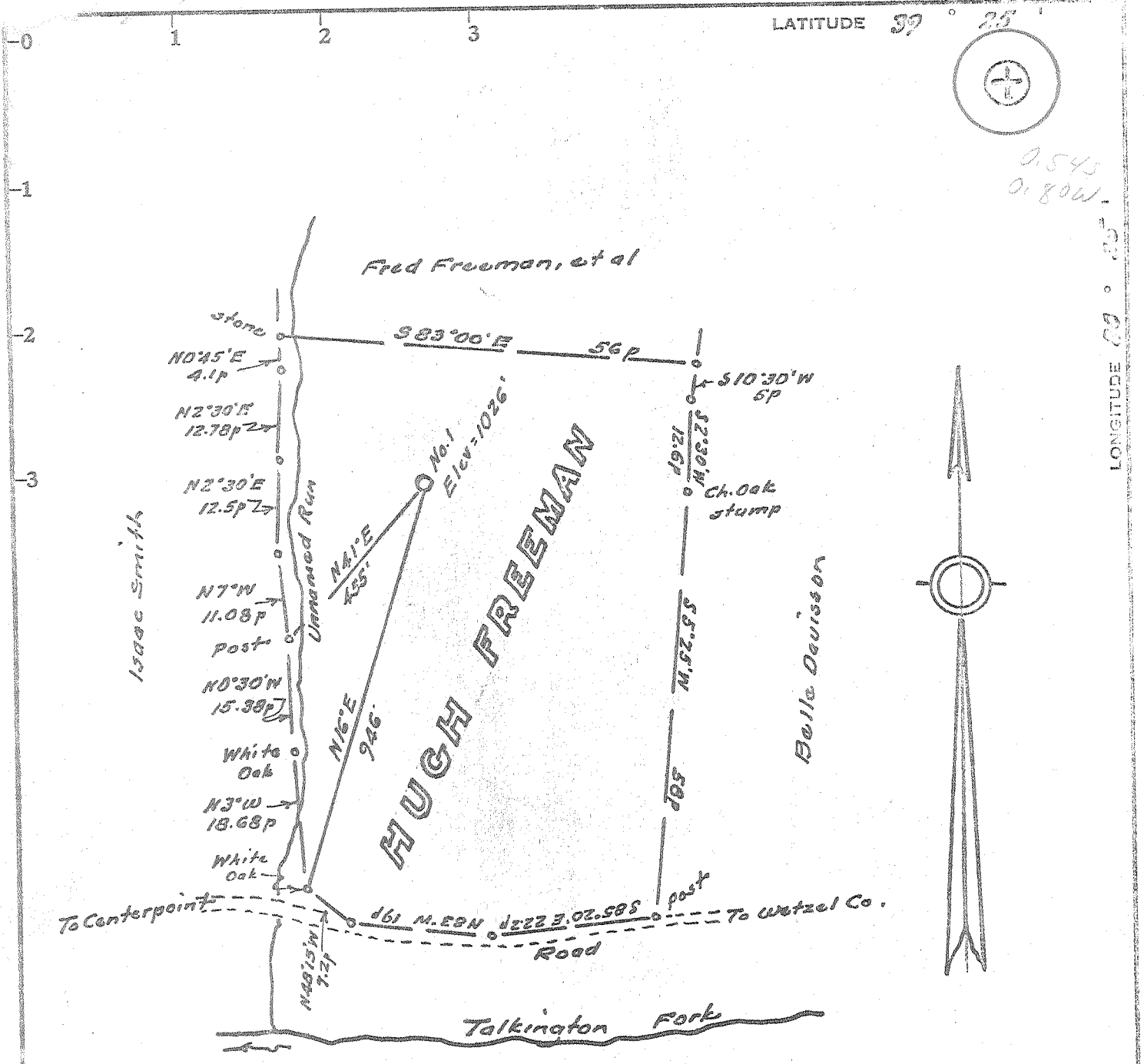


13-7-71



Minimum Error of Closure lin 200'

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

Map No. _____

Company Ramco Oil & Gas Corp.
 Address P.O. Box 99, Balpre, Ohio
 Farm Hugh Freeman, et al
 Tract _____ Acres 24 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 1026
 Quadrangle Centerpoint
 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. DOD-1654

+ 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

Rotary Oil
Cable Gas G. NO. 1
Recycling Comb.
Water Flood Storage
Disposal (Kind)

Quadrangle Centerpoint

Permit No. DOD-1654

Company RAMCO Oil & Gas Corp.
Address P. O. Box 99, Belpre, Ohio 45714
Farm Hugh Freeman et al Acres 24
Location (waters) Talkington Fork
Well No. 1 Elev. 1026'
District McClellan County Doddridge
The surface of tract is owned in fee by Freeman Heirs
Address Salem, W. Va.
Mineral rights are owned by Freeman Heirs
Address Salem, W. Va.
Drilling Commenced 12/6/71
Drilling Completed 12/14/71
Initial open flow 1,200,000^{mg} cu. ft. bbls.
Final production 1,200,000 ft. per day bbls.
Well open 48 hrs. before test 515# 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	545'	545'	160 sacks
7			
5 1/2			
4 1/2		2072'	80 sacks
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record. Lawson Cementing Co.

DOWELL - Fractured - 1091 bbls. water, 50,000# 20/40 sand, 1,000# 10/20 sand.

Perforated - 1931' - 34' - 6 holes 1944' - 47' - 6 holes

← Big Injun →

Coal was encountered at none Feet _____ Inches _____
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 1919' to 1952'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil		soft	0	20		
Sand		hard	20	50		
Sand & Shale		soft	50	283		
Sand		hard	283	300		
Shale		soft	300	360		
Sand		hard	360	371		
Sand & Shale		soft	371	613		
Red Rock		soft	613	615		
Sand & Shale		soft	615	955		
Shale		soft	955	1738		
Red Rock		soft	1738	1820		
Pencil Cave		soft	1820	1834		
*Big Lime		hard	1834	1892		*Big Lime 1834' to 1892'
*Keener Sand		hard	1892	1914		*Keener Sand 1892' to 1914'
Shale		soft	1914	1918		
*Big Injun		hard	1918	1970		*Big Injun 1918' to 1970'
Shale		soft	1970	1989		
*Squaw Sand		hard	1989	2026		*Squaw Sand 1989' to 2026'
Shale		soft	2026	2069		
TD			2069			

(over)

MAY 15 1972

* Indicates Electric Log tops in the remarks section.