

BENCH MARK DESCRIPTION

Aluminium Disk Set In Concrete Monument. Marked 216 SK5 U.S. Geological Survey Across From Hard Camp School. Elev. 778.10'

DEGREE OF ACCURACY

One Part in 200

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.

J.R. Jewell

- New Location ..
- Drill Deeper
- Abandonment

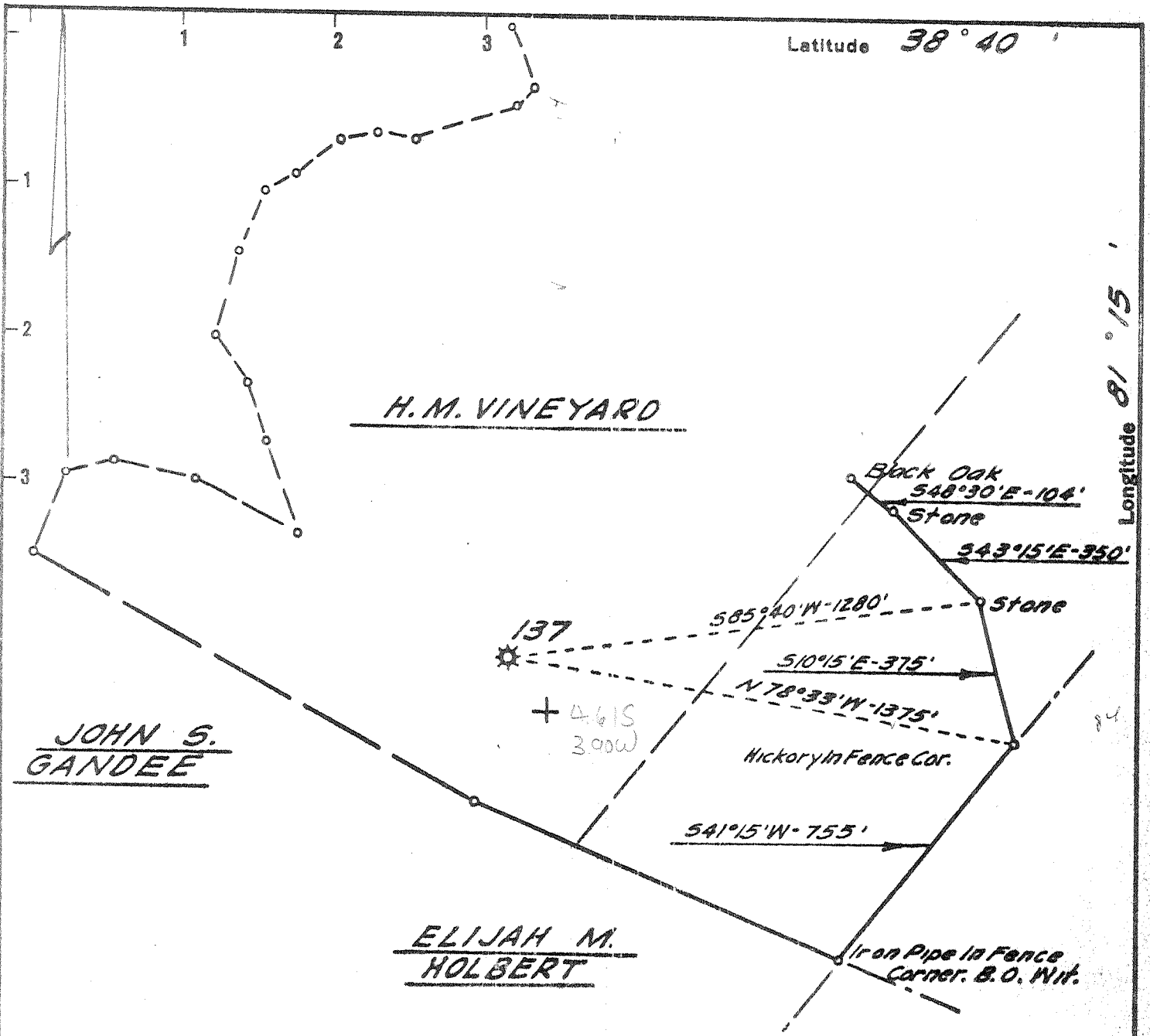
Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm H. M. VINEYARD
 Tract _____ Acres 30 Lesse No. 2361
 Well (Farm) No. _____ Serial No. 137
 Elevation (Spirit Level) 824.35'
 Quadrangle WALTON, - EC
 County ROANE District WALTON
 Engineer J.R. Jewell
 Engineer's Registration No. 2529
 File No. 78-75 Drawing No. _____
 Date OCT. 26 '65 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. BOA-1119-A

+ 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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S. R. Knevell

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

GAS
11/19/65

Quadrangle Walton
Permit No. Roq 1119A

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Company
Address P.O. Box 1273 Charleston, W. Va. 25325
Farm H. M. Vineyard Acres 30
Location (waters) Hard Camp Run
Well No. 137 Elev. 824.35'
District Walton County Roane
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by W. M. Sergent
Address Walton, W. Va. 25286
Drilling commenced 2-26-1910
Drilling completed 3-30-1910
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 5,549,000 Cu. Ft.
Rock Pressure 500 lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	16'		
10		150'	Size of
8 1/2	525'		
6 3/4		1561'	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT _____
ROCK PRESSURE AFTER TREATMENT _____
Fresh Water _____ Feet Salt Water 1250 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			100	120			
Red Rock			120	270			
Sand			270	440			
Slate			440	455			
Lime			455	485			
Slate			485	500			
Lime			500	525			
Sand			525	660			
Slate			660	700			
Sand			700	760			
Lime			760	840			
Sand			840	915			
Lime			915	975			
Salt Sand			1150	1455	Gas 1225-1250		
Little Lime			1480 ✓	1510 ✓			
Big Lime			1550	1675	Water 1250		
Big Injun			1678	1723			
Bottom of Sand			1729' ✓		Slate		

