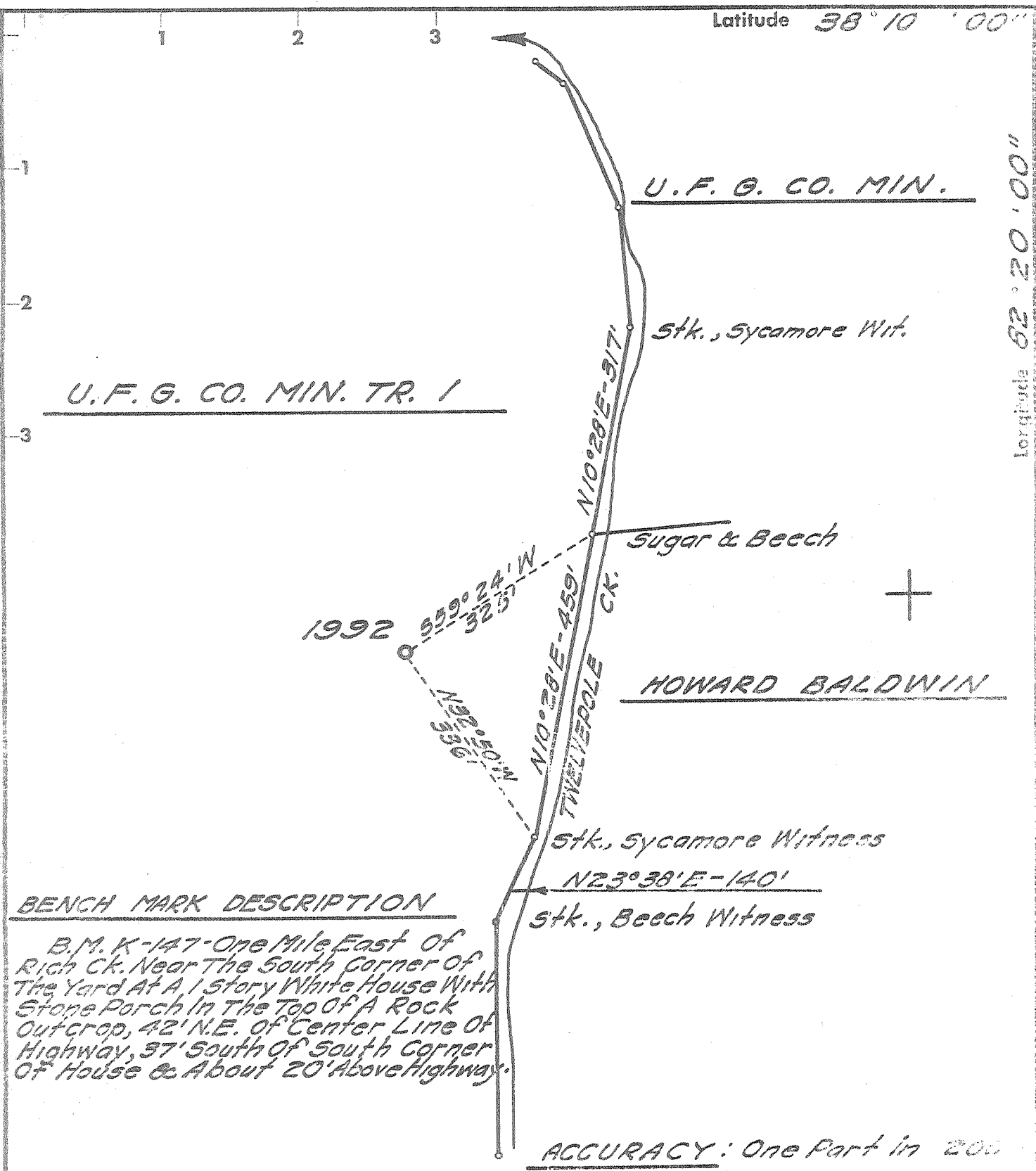


741000



BENCH MARK DESCRIPTION

B.M. K-147 - One Mile East of Rich Ck. Near The South Corner of The Yard At A 1 story White House With Stone Porch In The Top of A Rock Outcrop, 42' N.E. of Center Line of Highway, 97' South of South Corner of House & About 20' Above Highway.

ACCURACY: One Part in 200

- Fracture Before 6/5/29
- New Location
- Drill Deeper
- Redrill
- Abandonment *used*

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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.
The accuracy of this survey is within the limits and as proscribed in Paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations. 9-9-70

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm U.F.G. CO. MINERAL
 Tract 1 Acres 6,132.98 Lease No. 24689
 Well (Farm) No. _____ Serial No. 1992
 Elevation (Spirit Level) 715.61'
 Quadrangle WAYNE
 County WAYNE District STONEWALL
 Engineer Alvan E. Headman
 Engineer's Registration No. 2330
 File No. 22-41 Drawing No. _____
 Date SEPT. 3, '70 Scale 1" = 200'

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

WELL LOCATION MAP
 FILE NO. Way 41 (P)

+ 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 AND GAS WELLS DIVISION

OIL & GAS DIVISION
DEPT. OF MINES

- Rotary
- Spudder
- Cable Tools
- Storage

Oil or Gas Well Gas

(KIND)

Quadrangle Wayne
Permit No. WAY-41 (A)

WELL RECORD

Company United Fuel Gas Company
Address P. O. Box 1273 Charleston, W. Va. 25325
Farm (Guyandotte Land Assoc.) Acres 80,000
Location (waters) East Fork of 12-Pole Creek
Well No. 1992 Elev. 715.61'
District Stonewall (Formerly Grant) County Wayne
The surface of tract is owned in fee by United Fuel Gas Co.
Address _____
Mineral rights are owned by United Fuel Gas Co.
Address Charleston, W. Va.
Drilling commenced Sept. 3, 1928
Drilling completed Sept. 24, 1928
Date Shot _____ From _____ To _____
With _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer.....
16.....			
13.....			Size of.....
10.....	22'-2"	22'-2"	
8 1/4.....	360 Pulled		
6 3/4.....	1093'-8"	1093'-8"	Depth set.....
5 3/16.....			
4 1/2.....			
3.....	1354	1354	Perf. top.....
2.....			Perf. bottom.....
Liners Used.....			Perf. top.....
			Perf. bottom.....

Open Flow 44/10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 304,320 Cu. Ft.
Rock Pressure 525 lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.

Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) _____
Name of Service Co. _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES

WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) _____

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____ 304,320
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water _____ Feet _____ Salt Water 490' Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			20	20			
Slate			20	65			
Sand			65	125			
Slate			125	230			
Lime Shell			230	245			
Slate, broken			245	450			
Salt Sand			450	690			Hole full water at 490'
Slate, broken			690	765			
Sand, broken up			765	920			
Slate			920	925			
Maxon Sand			925	1040			
Little Lime			1040	1083			
Pencil Cave			1083	1085			
Big Lime			1085	1265			
Red Rock			1265	1277			
Lime			1277	1290			
Big Injun Sand			1290	1318			Gas from 1295-1312.
Slate & Lime Shell			1318	1321			Tubing Anchor Packer set at 1179'
Lime Shell			1321	1360			6-5/8" x 8-1/4" BH Packer set at 1089'
Total Depth			1360'				Steel Line Meas.