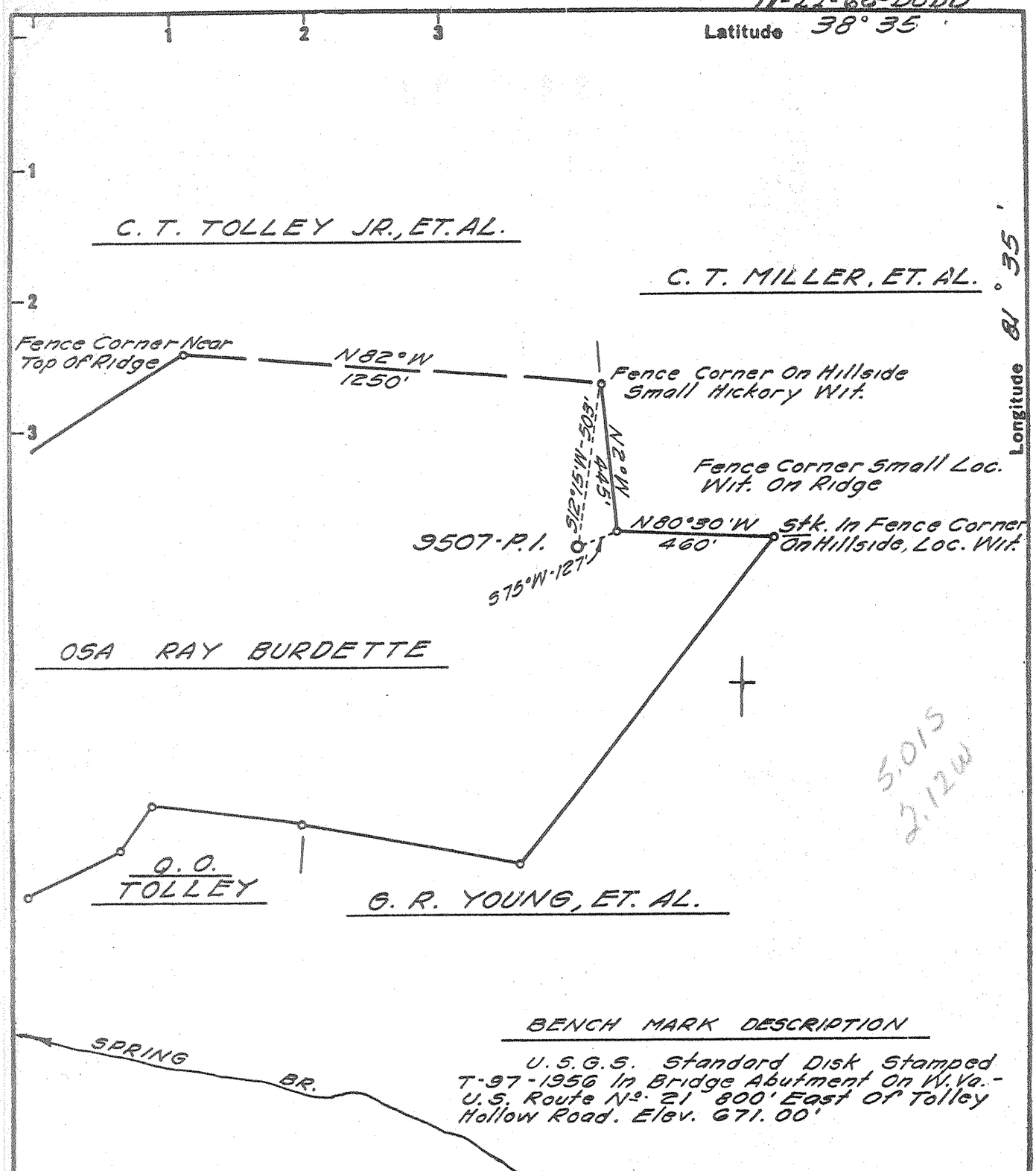
Plot ✓ Log ✓ Card ✓ CSD ✓ Mflm ✓

11-22-68-DODD



BENCH MARK DESCRIPTION

U.S.G.S. Standard Disk Stamped T-97-1956 In Bridge Abutment On W.Va.-U.S. Route No. 21 800' East Of Tolley Hollow Road. Elev. 671.00'

Fracture Before 6/5/29 ☐
New Location ■
Drill Deeper ☐
Redrill ☐
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 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 prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

Company UNITED FUEL GAS CO.
Address CHARLESTON, W. VA.
Farm OSA RAY BURDETTE, ET. AL.
Tract _____ Acres 273.70 Lease No. 62337 ET. AL.
Well (Farm) No. _____ Serial No. 9507-P.I.
Elevation (Spirit Level) 1057.09'
Quadrangle KENNA 3 C
County POCA District KANAWHA
Engineer Adrian E. Blackman
Engineer's Registration No. 2330
File No. 62-69 Drawing No. _____
Date OCT. 17, '68 Scale 1" - 400'

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

WELL LOCATION MAP
FILE NO. Kan-2337

+ 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.

BRUNING 44-560

Deep Well (Newburg) 6-6 Rocky Fork 312

DEC 04 1968

United Fuel - 71.4140%
Cities Svc. - 13.5622%
Pennzoil-United - 13.1531%
Allen Beard - 1.8707%

Map Square 62-69

Form OG-10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Rotary [X]
Spudder [ ]
Cable Tools [ ]
Storage [ ]

Oil or Gas Well GAS (KIND)

Quadrangle Kenna
Permit No. Kan.-2337

Company United Fuel Gas Company
Address P.O.Box 1273, Charleston, W. Va.
Farm Osa Ray Burdette et al Acres 273.70
Location (waters) Spring Branch Tuppers Creek 1069 KB
Well No. 9507 P.I. Elev. 1057.09
District Poca County Kanawha
The surface of tract is owned in fee by
Address
Mineral rights are owned by [illegible] et al
Address [illegible]
Drilling commenced November 28, 1968
Drilling completed December 5, 1968
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS)

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13 3/8"	91'	91'	
9 5/8"	2110'	2110'	Size of
8¼			
7"	5965'	5965'	Depth set
5 3/16			
4½			
3			Perf. top
2 3/8"	5935'	5912'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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 FRACTURED (DETAILS) Fractured Newburg 12-11-68 with 1,000 gallons mud acid, 33,920 gallons water, 30,000# 20/40 sand

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 94,000 M Four Point Potential Test 94,000,000
ROCK PRESSURE AFTER TREATMENT 1929-5 Deadweight HOURS
Fresh Water Feet Salt Water 1400' Feet
Producing Sand Newburg Depth 5965'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil & Sand			0	101			
Red Rock & Shale			101	555	5928		
Shale & Sand			555	1400	1069		
Salt Sand			1400	1668	4859		
Sand			1668	1800			
Big Lime			1800	1940			
Injun			1940	1970			
Shale			1970	5048			
Corniferous Lime			5048	5150			
Oriskany Sand			5150	5200	Show gas in Oriskany		
Lime & Dolomite			5200	5935			
Newburg			5935	5950	Gas (sulphur) show 5485' and 5800'		
Total Depth			5965'				
					Gas 5928-5936" Estimated 45,000 M		
			5935	5935			
			1069	5150			
			4866	785	Test before fracturing - 45 MMCF		
					Final open flow - 94 MMCF Four Point Potential Test		
					Casing Points:		
					13 3/8" 48# 60' Cemented 100 sacks		
					9 5/8" 32# 2101' Cemented 650 Poz 100 sacks Neat 2% CaCl.		
					7" 23# 5900' Cemented 175 sacks		
					2 3/8" 4.6# 5923'		
					LOGS RUN: Gamma Ray Density		

RECEIVED JAN 1969 West Virginia Dept. of Mines

Note PI Rpt 12/20/68 classifies this well as an outpost 5 but CS classifies it as a 6

JAN 26 1969