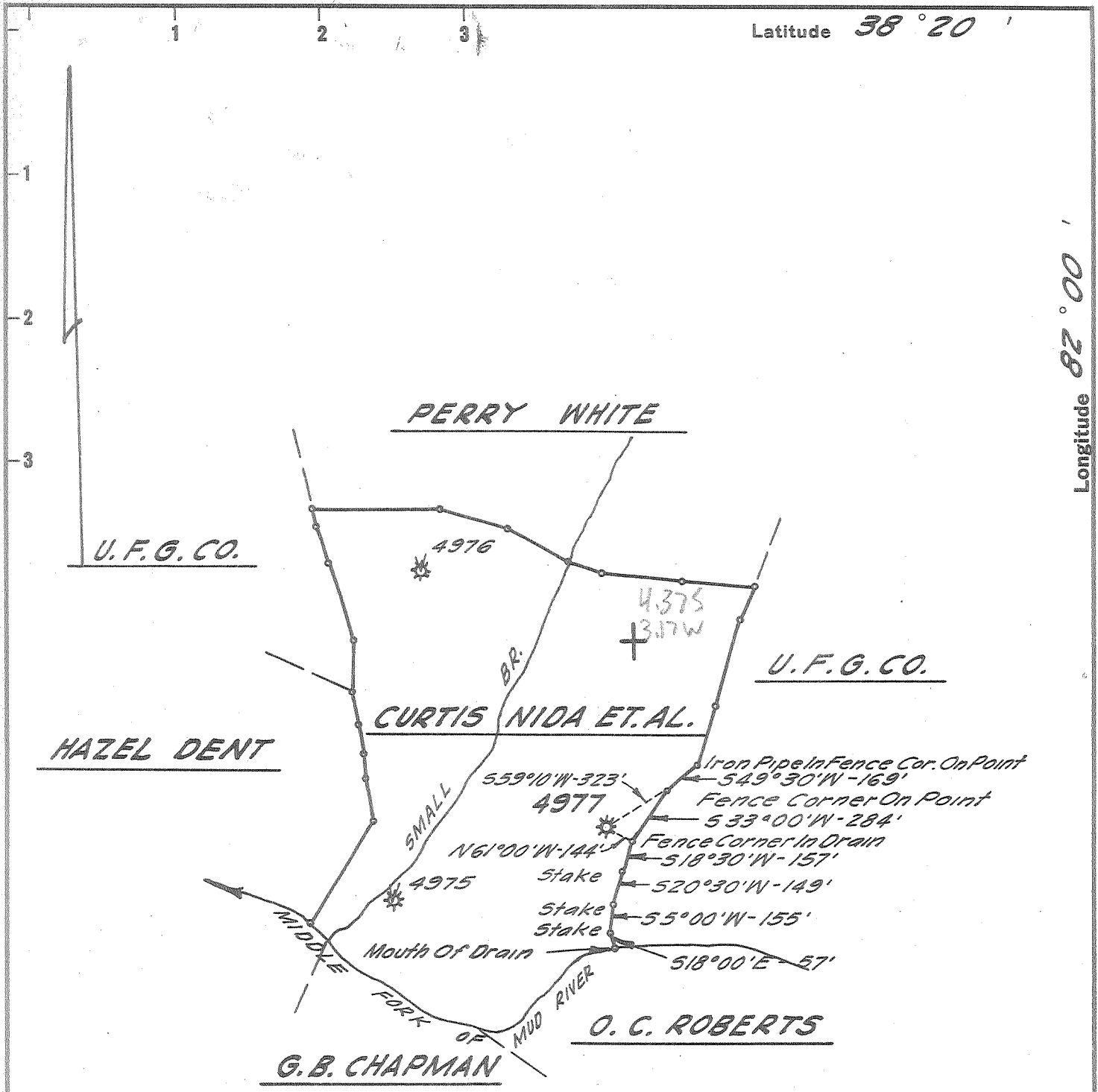


Latitude 38° 20'

Longitude 82° 00'



BENCH MARK
 Government B.M. #190 J.J.S. 1956
 Sweetland Post Office Along State Route
 No 3. Elev. 648.41'
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 a receipt of the ruler and regulations of the oil and gas section of the mining laws of West Virginia.

Sybert R. Howell

New Location ..
 Drill Deeper
 Abandonment

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm CURTIS NIDA ET. AL.
 Tract _____ Acres 72 Lease No. 43410
 Well (Farm) No. _____ Serial No. 4977
 Elevation (Spirit Level) 833.45'
 Quadrangle MILTON - SE
 County LINCOLN District CARROLL
 Engineer Sybert R. Howell
 Engineer's Registration No. 2529
 File No. 38-53 Drawing No. _____
 Date AUG. 25 '65 Scale 1"=660'

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

WELL LOCATION MAP
 FILE NO. LIN-1313-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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Milton

Permit No. Lin 1313

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Company
Address P.O. Box 1273 Charleston, W. Va. 25325
Farm Curtis Nida, et al Acres 86
Location (waters) Middle Fork
Well No. 4977 Elev. 833.45
District Carroll County Lincoln
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by R. E. Williamson, et al
Address _____
Drilling commenced 10-5-26
Drilling completed 11-24-26
Date Shot _____ From _____ To _____
With _____
Open Flow 60/10ths Water in _____ 2 Inch
_____ /10ths Merc. in _____ Inch
Volume _____ 327 McE Cu. Ft.
Rock Pressure _____ 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			
10		16'	Size of
8 1/4			
6 1/2		1771'	Depth set
5 3/16			1960'
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
	FEET	INCHES	FEET
	FEET	INCHES	FEET

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	17			
Slate			17	125			
Sand			125	210			
Slate			210	360			
Sand			360	420			Production before shot 2/10 W 2"
Slate			420	490			opening.
Sand			490	570			Production 10 min. after shot 60/10
Slate			570	610			W 2" opening.
Sand			610	650			Cleaning out time four day.
Slate			650	725			Tubing Packer set at 1960'.
Sand			725	840			
Slate			840	925			
Sand			925	960			
Slate			960	995			
Salt Sand			995	1110			
Slate			1110	1160			
Salt Sand #2			1160	1330			
Slate			1330	1335			
Maxon Sand			1335	1478			
Little Lime			1478	1505			
Pencil Cave			1505	1510			
Big Lime			1510	1700			
Red Rock			1700	1710			
Injun Sand			1710	1760			
Slate			1760	1900			
Big Shell			1900	2010			
Slate			2010	2185			
Brown Shale			2185	2195			
Berea Sand			2195	2215			
Total Depth			2245'				

