

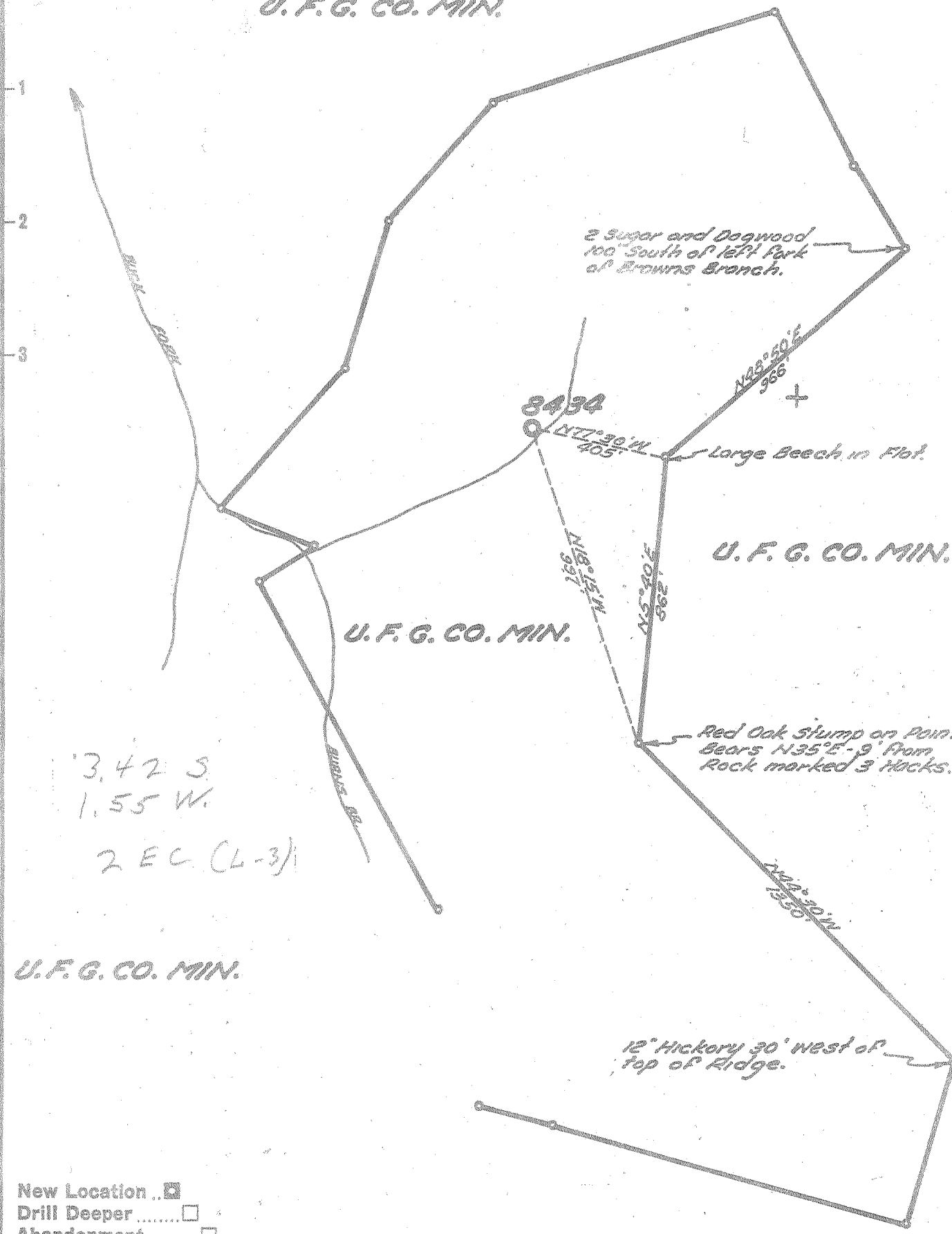
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Latitude 38° 00'

U. F. G. CO. MIN.

Longitude 82° 05'



3,42 S
 1,55 W
 2 EC (L-3)

New Location
 Drill Deeper
 Abandonment

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm UNITED FUEL GAS CO. MIN.
 Tract 1 Acres 23469³³ Lease No. NO REF.
 Well (Farm) No. _____ Serial No. 8434
 Elevation (Spirit Level) 833.55'
 Quadrangle HOLDEN-NC
 County LOGAN District CHAPMANSVILLE
 Engineer Arthur R. Howell
 Engineer's Registration No. 2529
 File No. 34-31 Drawing No. _____
 Date 1-8-57 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. LOG-612

+ 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.

3-3 245

Deep well

shot



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

Quadrangle Holden

WELL RECORD

Permit No. LOG- 612

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Co.
Address P.O. Box 1273; Charleston 25, W. Va.
Farm United Fuel Gas Co. Min. Tr. #1 Acres 23,469.33
Location (waters) Big Hart Creek
Well No. 8434 Elev. 833.55
District Chapmansville County Logan
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by United Fuel Gas Co.
Address Charleston, W. Va.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Hook Wall
18			Size of
10 3/4		34'	3 1/2" x 7" x 16"
8 x 5/8		364	Depth set
7 xxx		1326	1664'
5 3/16			Perf. top
3 1/2		3492	Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

Drilling commenced 3-6-57
Drilling completed 6-27-57
Date Shot 6-28-57 From 2844 To 3842
With 6,666-2/3# Gelatin
Open Flow 20/10ths Water in 2 Inch
_____/10ths Merc. in _____ Inch
Volume 189,000 Cu. Ft.
Rock Pressure 370 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

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 75 675 Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	50	Hole full water	75'	
Sand			50	70			
Slate			70	78	Water	675'	
Sand			78	90			
Slate & Shells			90	280	Show gas	1516-1526'	
Sand			280	360			
Slate & Shells			360	410	Show gas	2055-2057'	
Sand			410	538			
Slate			538	543	Gas	2900-2920'	10/10 W 2" 133 M
Sand			543	700			
Slate			700	723	Gas	3270-3280'	11/10 W 2" 140 M
Sand			723	840			
Slate & Shells			840	938	Test @	3816'	10/10 W 2" 133 M
Sand			938	1028			
Slate			1028	1034	Test before shot	10/10 W 2" 133 M	
Sand			1034	1038	Shot	6-28-57 with 6,666-2/3# Gelatin	
Slate			1038	1150	from	2844-3842'	
Red Rock			1150	1154	Test 1 hour after shot	120/10 W 2" 462 M	
Slate & Shells			1154	1200	Test 18 hours after shot	20/10 W 2" 189M	
Red Rock			1200	1205			
Slate & Shells			1205	1250			
Maxon Sand			1250	1256	FINAL OPEN FLOW -	189 M - Br. Shale	
Little Lime			1256	1292	48 Hr. R.P.	370#	
Pencil Cave			1292	1296			
Big Lime			1296	1514	Shut in	7-9-57 in 3 1/2" tubing.	
Injun			1514	1569			
Slate & Shells			1569	1663			
Shell			1663	1750	PERMIT NO. -	LOG-612	
Slate & Shells			1750	2037			

Formation	Color	Hard or Soft	Top //	Bottom	Oil, Gas or Water	Depth Found	Remarks
Brown Shale			2037	2053			
Serea			2053-	2084			
Black Shell			2084	2095			
Slate & Shells			2095	3070			
Brown Shale			3070	3345			
White Slate			3345	3620			
Light Brown Shale			3620	3670			
Brown Shale			3670	3700			
Dark Brown Shale			3700	3842			
Corniferous			3842				
Total Depth			3842'				
			(40)				
					3842		
					834		
					<u>3008</u>		
				2053			
				834			
				<u>1319</u>			

Date October 25, 19 57

APPROVED UNITED FUEL GAS COMPANY, Owner

By S. R. Ferrall
(Title)
Supt., Civil Engineering Department