

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W.VA.
 Farm ROY R. SHINN
 Tract _____ Acres 191 Lease No. 45905
 Well (Farm) No. 1 Serial No. 6587
 Elevation (Spirit Level) 665.89
 Quadrangle RAVENSWOOD
 County JACKSON District UNION
 Engineer [Signature]
 Engineer's Registration No. 662
 File No. 50-91 Drawing No. _____
 Date JUNE 8, 1950 Scale 1"=400'

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

WELL LOCATION MAP
 FILE NO. JAC-731

+ 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.

IMPERIAL TRACING CLOTH K & E CO., N.Y. 3-6. (158) No Record filled. SAMPLES 23-E & F (2362-4125) Deep well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Kanawha

WELL RECORD

Permit No. JAC-731

Oil or Gas Well _____ Gas
(KIND)

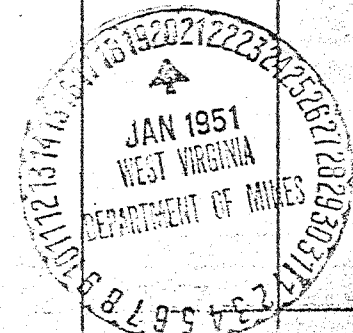
Company United Fuel Gas Co.
Address P. O. Box 1273, Charleston 25, W. Va.
Farm Roy R. Shinn Acres 131
Location (waters) Cow Run of Mill Creek
Well No. 6587 Elev. 665.89'
District Union County Jackson
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Roy R. Shinn
Route #1 Address Cottageville, W. Va.
Drilling commenced 6-29-50
Drilling completed 9-11-50
Date Shot 9-13-50 From 4138 To 4288
9-25-50 From 2695 To 3703
With 1500# Gel. and 10,666-2/3# Gel.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13	504'	504'	
10	1031'	1031'	Size of
8 5/8"	1912'	1912'	
6 7/8"	2231'	2231'	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow /10ths Water in _____ Inch
2 1/2 /10ths Merc. in 2" Inch
Volume 762 M - Br. Shale Cu. Ft.
Rock Pressure 865 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water 745-760, 1540, feet 2215, feet

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 650 FEET 84 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Soil			0	16			
Red Rock			16	40			
Blue Lime			40	80			
Red Rock			80	130			
Blue Slate			130	180			
Red Rock			180	205			
Sand			205	225			
Red Rock			225	240			
Sand			240	265			
Red Rock			265	290			
Red Rock			290	295			
Blue Lime			295	335			
Red Rock			335	350			
Lime			350	375			
Slate			375	485			
Red Rock			485	500			
Lime Shell			500	520			
Slate & Shells			520	535			
Red Rock			535	550			
Sand			550	610			
Red Rock			610	635			
Slate & Shells			635	650			
Coal			650	657			
Slate & Shells			657	740			
Sand			740	760	Salt Water	745-760'	12 B.P.H.
Slate & Shells			760	820			
Sand			820	840			
Slate & Shells			840	920			
Sand			920	935			
Slate & Shells			935	950			
Sand			950	975			
Slate & Shells			975	1010			
Sand			1010	1030			
Slate			1030	1075			
Sand			1075	1165			
Slate & Shells			1165	1270			
Sand			1270	1285			
Lime, Gray			1285	1300			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			1300	1400			
Lime			1400	1440			
Sand			1440	1450			
Lime			1450	1480			
Sand			1480	1500			
Slate			1500	1510			
Sand			1510	1580	Water	1540'	Hole full
Big Lime			1580	1715			
Slate			1715	1730			
Lime			1730	1745			
Sand			1745	1825			
Slate			1825	1830			
Sand			1830	1900			
Lime			1900	1985			
Slate			1985	2210			
Berea Sand			2210	2221	Water	2215'	2 B.P.H.
Slate			2221	2235			
Shells			2235	3335	Gas	3200'	Not enough to
Br. Shale			3335	3400	Gas	2745'	gauge.
Slate & Shells			3400	3585		4/10	W 1/2" 5 M
Brown Shale			3585	3780	Gas	3685'	14/10 W 1/2" 10
Slate			3780	4130	Gas	4295'	4/10 W 1/2" 5 M
Brown Shale			4130	4303	Oil	3715'	Show
Comiferous Lime			4303	4388			
Oriskany			4388	4405			
Lime			4405	4450			
Total Depth			4450'				
Filled back to 3703'							
					Test before shot 4/10 W 1/2" 5 M Shot 9-13-50 with 1500# Gel. from 4138-4288'.		
					Test 2 hours and 45 minutes after shot 1/10 W 2" 42 M		
					Test before second shot 2/10 W 1" 14 M Shot 9-25-50 with 10,666 2/3# Gel. from 2695-3703'.		
					Test 1 hour after shot 24/10 Merc. 2" 762 M		
					<u>FINAL OPEN FLOW</u> - 762 M - Br. Shale R.P. 865#		

Date January 19, 19 51

APPROVED United Fuel Gas Co. Owner

By J. W. Moore
Chief Engineer (title) J.C.