

New Location    
 Drill Deeper    
 Abandonment

Latitude 37°54'53"   
 Longitude 82°12'08"

S 0.10   
 W 1.97   
 4 NC (L-3)

Shale gas

Company UNITED FUEL GAS   
 Address CHARLESTON W.VA.   
 Farm UNITED FUEL GAS FEE   
 Tract #4 Acres 11.13<sup>51</sup> Lease No. NO REF.   
 Well (Farm) No. \_\_\_\_\_ Serial No. 8572   
 Elevation (Spirit Level) 1126.83'   
 Quadrangle HOLDEN W.VA.   
 County MINGO - W.C. HARVEY District HARVEY   
 Engineer Superior Powell   
 Engineer's Registration No. 2529   
 File No. 30-29 Drawing No. \_\_\_\_\_   
 Date 10-9-57 Scale 1"=660'

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

**WELL LOCATION MAP**   
 FILE NO. MIN-557

+ 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.

3-6-279

Deep Well



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 8

Quadrangle Holden

Permit No. MIN-557

WELL RECORD

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. Fee Tr. #4 Acres 11,113.51  
Location (waters) Caney Fork  
Well No. 8572 Elev. 1126.83  
District Harvey County Mingo  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by United Fuel Gas Co.  
Address Charleston, W. Va.  
Drilling commenced Jan. 27, 1958  
Drilling completed June 17, 1958  
Date Shot 6-19-58 From 2404 To 3870'  
With 12,966-2/3# Hercules Gelatin  
Open Flow 18/10ths Water in 2 Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 179,000 - Br. Shale Cu. Ft.  
Rock Pressure 390 lbs. 48 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			<u>Anchor Set</u>
13 <u>3/8</u>		<u>32'</u>	Size of
10 <u>3/4</u>		<u>468</u>	<u>3 1/2" x 8-5/8"</u>
8 <u>5/8</u>		<u>1462</u>	Depth set
6 <u>5/8</u>			<u>1796'</u>
5 <u>3/16</u>			Perf. top
3 <u>1/2</u>		<u>3616</u>	Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

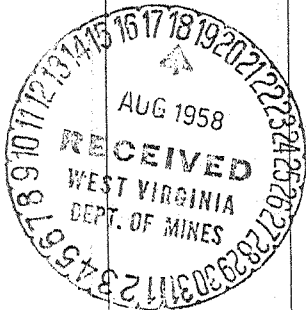
COAL WAS ENCOUNTERED AT 213 FEET 24 INCHES  
282 FEET 36 INCHES 302 FEET 36 INCHES  
400 FEET 36 INCHES 458 FEET 24 INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water 98-100; 158 Feet Salt Water 940 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	10	Water 98-100'		2 bailers per hour
Slate			10	28			
Sand			28	35			Hole full water 158'
Slate			35	55			
Sand			55	161			Show gas 612'
Slate			161	213			
Coal			213	215	Water 940'		3 bailers per hour
Sand			215	246			
Slate			246	282			Show gas 1183'
Coal			282	285			
Sand			285	302			Show <del>gas</del> oil 1764'
Coal			302	305			
Slate			305	317	Gas 1856'		86/10 W 2" 391 M in 24 hours - exhausted
Sand			317	367			
Slate			367	386			
Sand			386	400	Gas 2420'		2/10 W 1" 15 M
Coal			400	403	Gas 2440'		3/10 W 1" 18 M
Slate			403	420			Reduced hole to 6 1/2" at 1796'
Sand			420	447			
Slate			447	458	Test before shot		1/10 W 1" 11 M
Coal			458	460	Shot 6-19-58 with		12,966-2/3# Hercules Gelatin from 2404-3870'
Slate			460	518	Test 1 hour after shot		12/10 Merc. 2"
Sand			518	610			539 M
Slate			610	613	Test 15 hours after shot		16/10 W 2"
Sand			613	650			169 M
Slate			650	690	Test after tubing and blowing		14 hours
Sand			690	740			18/10 W 2" 179 M
Slate			740	769			
Sand			769	860	Shut in 6-27-58 in		3 1/2" tubing.



(over)

Deep Well

Formation	Color	Hard or Soft	Top <i>g</i>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			860	875			
Salt Sand			875	1008			
Broken Sand			1008	1055			
Sand			1055	1075			
Slate			1075	1113			
Broken Sand			1113	1125			
Sand 9			1125	1140			
Slate			1140	1177			
Sand			1177	1395			
Slate			1395	1427			
Red Rock			1427	1432			
Slate			1432	1458			
Lime			1458	1470			
Slate			1470	1495			
Little Lime			1495	1534			
Slate			1534	1545			
Big Lime			1545	1647			
Sand			1647	1657			
Big Lime			1657	1714			
Injun			1714	1770			
Red Rock			1770	1790			
Shell			1790	1830			
Slate			1830	1905			
Lime			1905	1976			
Slate & Shells			1976	2307			
Brown Shale			2307	2320			
Berea Sand			2320	2395			
Br. Shale & Shells			2395	2442		2320	
Slate			2442	2580		1127	
Brown Shale			2580	2730		1893	
Slate			2730	3116			
Brown Shale			3116	3450			
White Slate			3450	3768			
Brown Shale			3768	3864			440
Corniferous Lime			3864	3870			
Total Depth			3870				7730

Date Aug. 13, 1958

APPROVED UNITED FUEL GAS CO., Owner

By [Signature]  
(Title)  
Supt., Civil Engineering Dept.