

New Location...
 Drill Deeper.....
 Abandonment.....

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm UNITED FUEL GAS CO. MIN.
 Tract 31 Acres 2255.95 Lease No. NO REF.
 Well (Farm) No. _____ Serial No. 8554
 Elevation (Spirit Level) 1236.64'
 Quadrangle HOLDEN - NW
 County LINCOLN District HARTS CREEK
 Engineer Hubert R. Revell
 Engineer's Registration No. 2529
 File No. 28-33 Drawing No. _____
 Date 5-27-57 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. LIN-1290

Drill 7 1/2 min 183-19
 * 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.

No sample 6-6-290 Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Holden
Permit No. LIN-1290

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. Min. Tr. #31 Acres 2,255.95
 Location (waters) Kiah Creek
 Well No. 8554 Elev. 1236.64
 District Harts Creek County Lincoln
 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 11-4-57
 Drilling completed 1-25-58
 Date Shot 1-28-58 From 2885 To 4052
 With 7,933-1/3# DuPont Gelatin
 Open Flow 8 /10ths Water in 2 Inch
 _____ /10ths Merc. in _____ Inch
 Volume 119,000 - Br. Shale Cu. Ft.
 Rock Pressure 450 lbs. 48 hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED _____
 WELL FRACTURED _____

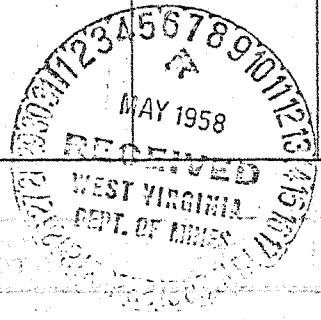
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Hook Wall
18			Size of
10 <u>3/4</u>		<u>18'</u>	<u>3 1/2" x 7" x 16"</u>
8 <u>5/8</u>		<u>663</u>	Depth set
7 <u>3/8</u>		<u>1797</u>	<u>2193'</u>
5 <u>3/16</u>			Perf. top
3 <u>1/2</u>		<u>3962</u>	Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 COAL WAS ENCOUNTERED AT 45 FEET 24 INCHES
345 FEET 48 INCHES 454 FEET 36 INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

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	14	Show oil 1985-1991'		
Sand			14	45			
Coal	<i>Brush creek</i>		45	47 ¹¹⁹⁰	Show gas 3430'		
Slate			47	74			
Sand			74	104	Not enough gas to gauge before shot		
Slate			104	245	Shot 1-28-58 with 7,933-1/3# DuPont		
Sand			245	345	Gelatin from 2885-4052'		
Coal	<i>5 Block</i>		345	349 ⁸⁸⁸	Test 1 hour after shot 40/10 W 2" 267 M		
Sand			349	454	Test 16 hours after shot 8/10 W 2" 119 M		
Coal	<i>Stockton</i>		454	457 ⁷⁸⁰			
Slate			457	465			
Sand			465	501	Set in 1-31-58 in 3 1/2" tubing.		
Slate			501	514			
Gray Lime			514	525			
Sand			525	570			
Slate			570	620			
Sand			620	659			
Slate			659	784			
Sand			784	815			
Lime			815	830			
Slate			830	968			
Gas Sand			968	1035			
Slate			1035	1045			
Sand			1045	1064			
Slate			1064	1114			
Salt Sand			1114	1447			
Slate & Shells			1447	1460			
Salt Sand			1460	1535			
Black Lime			1535	1600			
Sand			1600	1647			

(over)



Jan 1290

Formation	Color	Hard or Soft	Top 9	Bottom	Oil, Gas or Water	Depth Found	Remarks
Gritty Lime			1647	1670			
Slate & Shells			1670	1680			den 1237
Red Rock			1680	1683			
Slate			1683	1695			
Maxon Sand			1695	1736			
Little Lime			1736	1767			
Break			1767	1770			
Big Lime			1770	1997	- 760		
Red Injun			1997	2028			
Slate			2028	2203			
Shell			2203	2268			
Slate			2268	2550			
Brown Shale			2550	2571			
Berea Grit		-1334	2571	2596			
Slate & Shells			2596	2665			
Brown Shale			2665	2700			
Slate			2700	2885		4052	
Brown Shale			2885	3040		1237	
Gray Shale			3040	3348		2815	
Brown Shale			3348	3625			
White Slate			3625	3885			
Brown Shale			3885	4052			
Corniferous Lime			4052				
Total Depth			4052'				

Date May 5, 19 58

APPROVED UNITED FUEL GAS COMPANY, Owner
 By J.R. Ferrell
 (Title)
 Supt., Civil Engineering Department