

Company UNITED FUEL GAS CO.

Address CHARLESTON, W. VA.

Farm BURNING CREEK MARROWBONE LAND CO.

Tract _____ Acres 387.25 Lease No. PT10342

Well (Farm) No. _____ Serial No. 531

Elevation (Spirit Level) 705.0

Quadrangle NAUGATUCK

County MINGO District KERMIT

Engineer Paul E. Joachims

Engineer's Registration No. 669

File No. 22-23 Drawing No. _____

Date 4-21-55 Scale 1"=660'

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

WELL LOCATION MAP

FILE NO. MIN - 30-8

+ 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

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Quadrangle Naugatuck
Permit No. 3088

WELL RECORD

Oil or Gas Well Gas
(KIND)

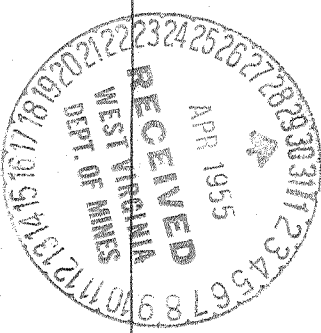
Company UNITED FUEL GAS COMPANY
Address P.O. Box 1273, Charleston 25, W. Va.
Farm Burning Ck. Marrowbone Land Co. Acres 387.25
Location (waters) Marrowbone Creek
Well No. 531 Elev. 705'
District Kermit County Mingo
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Burning Ck. Marrowbone Land Co. % Lant R. Slaven Address Williamson, W. Va.
Drilling commenced 7-3-13
Drilling completed 9-11-13
Date Shot _____ From _____ To _____
With _____
Open Flow 2 /10ths Water in _____ 2 Inch
_____ /10ths Merc. in _____ Inch
Volume 387,000 Cu. Ft.
Rock Pressure 410 lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 45' feet 875' 1290' feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer <u>Anchor</u>
18			
10		<u>129' 2"</u>	Size of <u>2x6-5/8x16</u>
8 1/4		<u>1051' 4"</u>	Depth set
6 5/8		<u>1464' 8"</u>	
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 75 FEET 36 INCHES
280 FEET 24 INCHES 400 FEET 48 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Coal			75	78			
Coal			280	282			
Coal			400	404			
Maxon Sand			1285	1310			
Lime Shells			1310	1375			
Break			1385	1400			
Little Lime			1400	1430			
Pencil Cave			1430	1440			
Big Lime			1440	1630			
White Slate			1630	1635			
Big Injun			1635	1650			
White Slate			1650	1680			
Shell			1680	1700			
White Slate			1700	1925			
Shell			1925	1940			
White Slate			1940	1960			
Shell			1960	1990			
Slate			1990	1998			
White Slate			1998	2175			
Shells			2175	2185			
Berea Grit			2185	2205			Show of Oil in Berea Grit
White Slate			2205	2210			
Shells			2210	2229			
Slate			2229	2235			
Shells			2235	2285			Gas 2253'
Brown Shale			2285	2303			
Total depth			2303'				
Drilled Deeper Started July 26, 1931 Completed Sept. 30, 1931. Shot 9-11-12-1931 with 4720#.							
Final open flow 26/10 Water in 1" - 62,000 cu. ft. Hook Wall Packer 3x6-5/8 set at 1971'							
Brown Shale			2310	2324			
Shells			2324	2344			
Brown Shale			2344	2370			Hole filled back from 3552 to 2773'
White Slate			2370	2697			
Brown Shale			2697	2765			
Slate			2765	2932			Total depth 2773'
Brown Shale			2932	3020			
Shells			3020	3035			
Brown Shale			3035	3212			
Slate			3212	3458			



OCT 6 1955

(Over) 3458

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Brown Shale Corniferous Total depth	Lime		3458 3531 3552'	3531 3552			

Date April 29, 1955

APPROVED UNITED FUEL GAS COMPANY, Owner

By W. R. Ferrell
(Title)

Mgr. Civil Engineering Dept.