

Duval District, Lincoln County, W. Va.
By United Fuel Gas Co. (United Fuel Co., CWL Rpt.)
Elevation, 940'.

311A

Drilling commenced Sept. 7, 1909, and completed Oct. 16, 1909.
Contractor: United Fuel Drilling Co.
Drillers: H. W. Cramer and T. J. Cristy.
Shot Oct. 20, 1909, with 90 qts.
Examined and approved by E. B. South, Foreman.

	Top.	Bottom.	Thickness.
Slate	0	- 30	30
Red rock	30	- 55	25
Slate	55	- 135	80
Sand	135	- 155	20
Slate	155	- 215	60
Coal	215	- 220	5
Sand	220	- 310	90
Slate	310	- 420	110
Sand	420	- 460	40
Slate	460	- 640	180
Sand	640	- 730	90
Slate	730	- 930	200
Sand	930	- 1020	90
Slate	1020	- 1090	70
Salt Sand (hole full water at 1160')	1090	- 1711	621
Little Lime	1711	- 1749	38
Pencil Cave	1749	- 1758	9
Big Lime	1758	- 1928	170
Big Injun Sand	1928	- 2012	84
Slate and lime shells	2012	- 2433	421
Berea Sand (oil)	2435	- 2454	21

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

625

WELL RECORD

Permit No. 416-311-A

Oil or Gas Well Oil well
(KIND)

Company Frick-Reid Supply Corporation
Address Drawer 2481, Tulsa, Okla.
Farm Emily Morrison Acres 115
Location (waters) Bear Fork, Mud River
Well No. Four Elev. 946
District Duval County Lincoln
The surface of tract is owned in fee by Robert Wade
Address Yawkey, W. Va.
Mineral rights are owned by A. L. Morrison
Address Milton, W. Va.
Drilling commenced September 7, 1909
Drilling completed October 16, 1909
Date Shot 10/20/09 From 2435 To 2453
With 90 Qts. Nitro-glycerine

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10 <u>Wood</u>	<u>16</u>	<u>16</u>	Size of
8 1/4			
6 5/8	<u>1756</u>	<u>1756</u>	Depth set
5 3/16			
3			Perf. top
2		<u>2454</u>	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil No record bbls., 1st 24 hrs.
Fresh water No record feet _____ feet
Salt water 1160 feet _____ feet

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 215 FEET _____ INCHES
220 FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			0	30			
Red rock			30	55			
Slate			55	135			
Sand			135	155			
Slate			155	215			
Coal			215	220			
Sand			220	310			
Slate			310	420			
Sand			420	460			
Slate			460	640			
Sand			640	730			
Slate			730	930			
Sand			930	1020			
Slate			1020	1090			
Salt sand			1090	1711	Water	1160	Hole full
Little line			1711	1749			
Pencil cave			1749	1758			
Big line			1758	1928			
Big Injun			1928	2012			
Slate & lime shells			2012	2433			
Berea sand			2433	2454			



