

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

Company	<u>The Pure Oil Co.</u>	
Address	<u>Newark, Ohio</u>	<u>Box 551</u>
Farm	<u>Federal Coal Co.</u>	
Tract	Acres <u>11,849.47</u>	Lease No. <u>236</u>
Well (Farm) No.	<u>13</u>	Serial No. <u>402</u>
Elevation (Spirit Level)	<u>1421</u>	
Quadrangle	<u>Peytons</u>	
County	<u>Boone</u>	District <u>Sherman</u>
Engineer	<u>J. B. Hunter</u>	
Engineer's Registration No.	<u>Ohio - 2912</u>	
File No.	Drawing No. _____	
Date	<u>1-27-53</u>	Scale <u>1" = 400'</u>

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

WELL LOCATION MAP
 FILE NO. B00-224-A

+ 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

656

WELL RECORD

Permit No. 247-A

Oil or Gas Well Gas

(KIND)

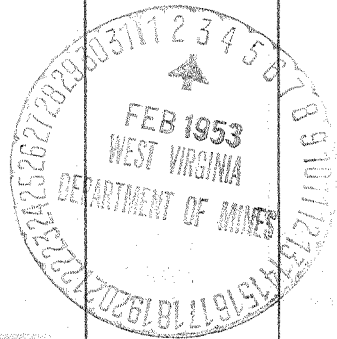
Company The Pure Oil Company
Address Box 551 - Newark, Ohio
Farm Federal Coal Company Acres 12,000
Location (waters) Lavina Fork
Well No. 13 Elev. 1421.0
District Sherman County Boone
The surface of tract is owned in fee by Federal Coal Co.
704 Union Building Address Charleston 1, W.Va.
Mineral rights are owned by Federal Coal Company
704 Union Building Address Charleston 1, W.Va.
Drilling commenced September 5, 1926
Drilling completed December 20, 1926
Date Shot 12-22-26 From 3013 To 3031
With 60 Qts. Glycerine
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 431,040 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water 1604' feet 2018' feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			<u>Gas Anchor</u>
10	<u>877</u>	<u>877</u>	Size of
8 1/4	<u>1890</u>	<u>1890</u>	<u>2"x6-5/8x16</u>
6 5/8	<u>2347</u>	<u>2347</u>	Depth set
5 3/16			<u>2377'</u>
3			Perf. top <u>3031'</u>
2		<u>3036</u>	Perf. bottom <u>3036'</u>
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 10" SIZE 9/19/26 No. Ft. 9/19/26 Date

COAL WAS ENCOUNTERED AT 390 FEET 60 INCHES
457 FEET 96 INCHES 516 FEET 36 INCHES
544 FEET 48 INCHES 730 FEET 60 INCHES
850 FEET 60 INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface	white	hard	0	127			
Slate	black	soft	127	142			
Sand	white	hard	142	207			
Slate	black	soft	207	217			
Sand	white	hard	217	265			
Slate	black	hard	265	277			
Sand	white	hard	277	327			
Slate	black	soft	327	332			
Lime	white	hard	332	367			
Slate	black	soft	367	390			
Coal	black	soft	390	395			
Sand & Lime	white	hard	395	457			
Coal	black	soft	457	465			
Lime	white	gritty	465	516			
Coal	black	soft	516	519			
Slate	black	soft	519	544			
Coal	black	soft	544	548			
Lime	white	hard	548	577			
Slate	black	soft	577	617			
Lime	white	hard	617	715			
Lime	white	hard	715	730			
Coal	black	soft	730	735			
Lime	white	hard	735	775			
Lime	white	hard	775	825			
Lime	white	hard	825	850			
Coal	black	soft	850	855			
Sand	white	hard	855	877			
Sand	white	hard	877	907			
Lime	white	hard	907	951			
Lime	white	hard	951	976			
Slate	black		976	1001			
Slate	black	soft	1001	1081			
Slate	black	soft	1081	1121			
Lime	white	hard	1121	1161			
Lime	white	hard	1161	1211			
Grampus sand, white		hard	1211	1261			
Lime	white	hard	1261	1301			
Lime	white	hard	1301	1325			
Slate	black	soft	1325	1399			



(over)

(Over)

OCT 1 1953

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate, lime & shells			1399	1494			
Salt sand			1494	1890	gas	1875'	smell
Black lime			1890	1950	water	1604'	HFW
Maxon sand			1950	2100	water	2018'	HFW
Lime			2100	2115			
Red rock			2115	2130			
Lime			2130	2161			
Red Rock			2161	2191			
Sand			2191	2201			
Gritty lime			2201	2225			
Slate			2225	2230			
Little Lime			2230	2290			
Gray lime			2290	2308			
Black lime			2308	2327			
Big lime			2327	2508	gas	2400' &	
Big Injun			2508	2580		2505'	smell
Lime & shells			2580	2780			
Weir sand			2780	2865	gas	2820'	smell
Slate & lime shells			2865	2987			
Brown shale			2987	2995 $\frac{1}{2}$			
Berea Sand			2995 $\frac{1}{2}$	3031	gas	3012 $\frac{1}{2}$ ' to	
Slate TOTAL DEPTH			3031	3033 $\frac{1}{2}$		3031'	
T.D. after C.O.				3036			

Date January 27, 19 53

APPROVED THE PURE OIL COMPANY, Owner

By [Signature]
Division Superintendent