

Company	The Pure Oil Co.
Address	Newark, Ohio
Farm	Williams Coal Co.
Tract	Acres 12000 Lease No. 5012
Well (Farm) No.	166 Serial No. 421
Elevation (Spirit Level)	686
Quadrangle	Montgomery
County	Kanawha District Cabin Creek
Engineer	J. J. [Signature]
Engineer's Registration No.	Ohio-2912
File No.	Drawing No.
Date	2-23-53 Scale 1" = 200'

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

WELL LOCATION MAP
 FILE NO. KAN-999-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
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WELL RECORD

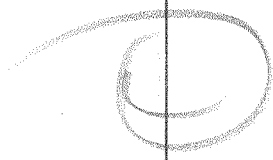
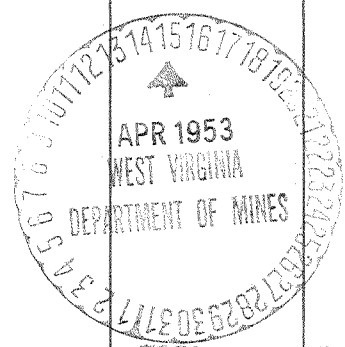
Permit No. 999A Oil or Gas Well Wtr Inj
(KIND)

Company The Pure Oil Company
Address Box 551 - Newark, Ohio
Farm Williams Coal Company Acres 12,000
Location (waters) Cabin Creek
Well No. 166 Elev. 686
District Cabin Creek County Kanawha
The surface of tract is owned in fee by Shonk Land Company
802 Kan Bkng & Trust Co. Bldg - Charleston, W.Va.
Address
Mineral rights are owned by Ditto
Address
Drilling commenced November 21, 1917
Drilling completed February 8, 1918
Date Shot 2-9-18 From 2335 To 2367
With 120 Qts. glycerin
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil 45 bbls., 1st 24 hrs.
Fresh water 30' feet _____ feet
Salt water 1500' 735' feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer <u>Disc wall</u>
13 <u>12-1/2"</u>	<u>32'</u>	<u>32'</u>	Size of <u>5 1/2"x6-5/8"</u>
10	<u>400'</u>	<u>400'</u>	Depth set <u>1663'</u>
8 1/4	<u>1025'</u>	<u>1025'</u>	Perf. top _____
6 5/8	<u>1681'</u>	<u>1681'</u>	Perf. bottom _____
5 3/16	<u>1663'</u>	<u>1663'</u>	Perf. top _____
3	<u>2323 1/2'</u>	<u>2323 1/2'</u>	Perf. bottom _____
2			
Liners Used			

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

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand & gravel			0	30			
Lime			30	40	water	30'	Hole full
Sand			40	70			
Slate & shells			70	200			
Lime			200	275			
Slate			275	360			
Lime			360	400			
Slate & Lime			400	460			
Sand			460	490			
Slate			490	510			
Sand			510	550			
GRAMPUS SAND			550	678			
Slate			678	735			
SALT SAND			735	1025	water	735'	Hole full
Slate			1025	1045			
Lime			1045	1100			
Slate			1100	1125			
Lime			1125	1180			
Red Rock			1180	1184			
Lime			1184	1200			
Slate			1200	1220			
Red Rock			1220	1280			
Slate			1280	1450			
Shells			1450	1500	water	1500'	Hole full
MAXON SAND			1500	1580			
Lime			1580	1610			
Slate			1610	1620			
Lime			1620	1656			
Pencil Cove			1656	1660			
BIG LIME			1660	1880	gas, oil	1719'	scum of oil
BIG INJUN			1880	1915			
Slate & shells			1915	2307			
Brown shale			2307	2317			
BERRA SAND			2317	2358	oil & gas	2337-2358	
TOTAL DEPTH				2367			
Present T.D. - after C.O.				2369			



NOTE: Casinghead lowered 2' in 1948. All measurements should be made from a point 2' above same.

JAN 2 1954

(Over) JAN 2 RECD

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

1953



Date MARCH 3, 1953

THE PURE OIL COMPANY
BOX 551 - Newark, Ohio, Owner

By Guy J. Andersen
Division Superintendent