

Company	<u>The Pure Oil Co.</u>
Address	<u>Newark, Ohio</u>
Farm	<u>Williams Coal Co.</u>
Tract	Acres <u>12000</u> Lease No. <u>5012</u>
Well (Farm) No.	<u>111</u> Serial No. <u>413</u>
Elevation (Spirit Level)	<u>856</u>
Quadrangle	<u>Montgomery</u>
County	<u>Kanawha</u> District <u>Cabin Creek</u>
Engineer	<u>J. J. [Signature]</u>
Engineer's Registration No.	<u>Ohio-2912</u>
File No.	Drawing No.
Date	<u>2-23-53</u> Scale <u>1" = 200'</u>

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

WELL LOCATION MAP
FILE NO. KAN-993-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

1782

993-A

WELL RECORD

Permit No. 993-A Oil or Gas Well oil
(KIND)

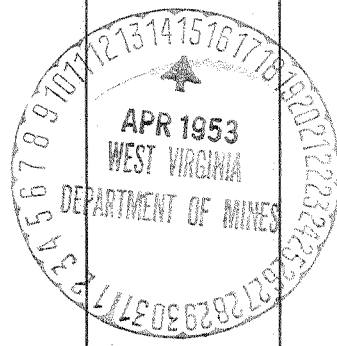
Company The Pure Oil Company
Address Box 531, Newark, Ohio
Farm Williams Coal Company Acres 12,000
Location (waters) Galvin Creek
Well No. 111 Elev. 856
District Galvin Creek County Kanawha
The surface of tract is owned in fee by Shank Land Co.
612 Kan. Bank, & Trust Co., Inc., Charleston,
Address
Mineral rights are owned by Same as above.
Address
Drilling commenced July 21, 1917
Drilling completed September 20, 1917
Date Shot 9-21-17 From 2520 To 2548
With 110 lbs.
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil 302 bbls., 1st 24 hrs.
Fresh water 60 feet _____ feet
Salt water 1745 feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer <u>O.W.S.</u>
<u>18 1 1/2</u>	<u>42'</u>	<u>42'</u>	Disc Wall
10 <u>-3/4"</u>	<u>390'</u>	<u>390'</u>	Size of <u>5-3/16" x 6-</u>
<u>8 1/2 -5/8"</u>	<u>1195'</u>	<u>60'</u>	<u>5/8" x 10"</u>
<u>6 1/2 7</u>	<u>1855'</u>	<u>1855'</u>	Depth set <u>1917'</u>
<u>5 3/16 5 1/2"</u>		<u>1914'</u>	
3			Perf. top
2		<u>2546'</u>	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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

COAL WAS ENCOUNTERED AT 60 FEET 24 INCHES
180 FEET 36 INCHES 370 FEET 48 INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Conductor			0	6			
Slate			6	40			
Line			40	60			
Coal			60	62	Water	60'	3 shales.
Sand			62	90			
Slate			90	180			
Coal			180	185			
Slate			185	260			
Sand			260	300			
Slate			300	325			
Sand			325	370			
Coal			370	374			
Slate & shells			374	450			
Sand			450	520			
Slate			520	560			
Line			560	600			
Slate			600	650			
Line			650	690			
Sand			690	765			
SHALE			765	850			
Slate			850	920			
SALT SAND			920	1205			
Slate			1205	1235			
Line			1235	1250			
Slate			1250	1320			
Line			1320	1345			
Red Rock			1345	1377			
Slate & shells			1377	1450			
Line			1450	1480			
Slate & shells			1480	1530			
Line			1530	1570			
Slate & shells			1570	1665			
SHALE SAND			1665	1755	Water	1745'	SPW
Little line			1755	1780			
Pencil Cave			1780	1788			
Line			1788	1800			
Pencil Cave			1800	1810			
Line			1810	1825			
Pencil Cave			1825	1840			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
BIG LINE			1840	2055	Gas	1900'	
BIG INCH			2055	2090			
Slate			2090	2130			
Sand			2130	2160			
Slate			2160	2200			
lime			2200	2220			
Slate			2220	2240			
Shells			2240	2300			
Slate			2300	2470			
lime			2470	2490			
Slate			2490	2500			
Shale			2500	2502			
MINERAL OIL			2502	2549			
lime			2549	2550			
TOTAL DEPTH				2550			
TOTAL DEPTH AFTER CLEAN OUT				2554			

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

Date March 4, 1948

APPROVED THE FORD OIL COMPANY, Owner

By Guy J. Andersen
G.J. Andersen - Division Superintendent (Title)