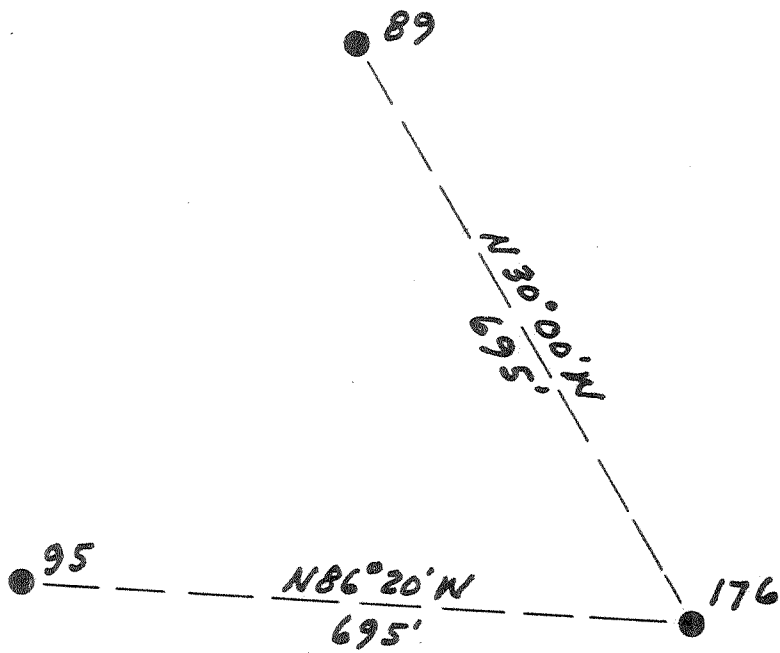


Latitude 38° 10'

Longitude 81° 25'

Williams Coal Co.
12000 ac

(+)



New Location
 Drill Deeper
 Abandonment

3.62 W
3.4

Company	The Pure Oil Co.
Address	Newark, Ohio Box 551
Farm	Williams Coal Co.
Tract	Acres 12000 Lease No. 5012
Well (Farm) No.	176 Serial No. 362
Elevation (Spirit Level)	1082
Quadrangle	Montgomery
County	Kanawha District Cabin Creek
Engineer	J. B. Hunter
Engineer's Registration No.	Ohio - 2912
File No.	Drawing No.
Date	5-1-51 Scale 1" = 200'

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

WELL LOCATION MAP
 FILE NO. KAN-861-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.

8-0240

"IMPERIAL" TRACING CLOTH
 K & E CO., N.Y.

WILLIAMS COAL CO., 176 - THE PURE OIL CO. - KAN-861-A



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

1616

WELL RECORD

Permit No. KAW-861-A

Oil or Gas Well Water Inj.
(KIND)

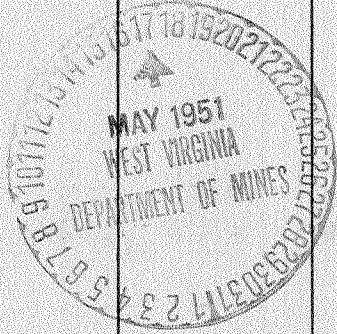
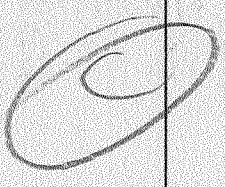
Company The Pure Oil Company
 Address P. O. Box 551, Newark, Ohio
 Farm Williams Coal Company Acres 12,000
 Location (waters) _____
 Well No. 176 Elev. 1082
 District Cabin Creek County Kanawha
 The surface of tract is owned in fee by Shonk Land Company
802 Kanawha Banking & Trust Bldg.
 Address Charleston, W. Va.
 Mineral rights are owned by Same as above
 Address _____
 Drilling commenced November 25, 1920
 Drilling completed February 24, 1921
 Date Shot 3-22-21 From 2785 To 2795
 With 30 Qts. Glycerine

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			
10 -3/4"	606'	606'	Size of
8 1/4"	1475	None	
6 5/8"	2140'	2140'	Depth set
5 3/16"		2128'	
3"		2777'	Cemented with 32 sacks cement.
2"			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 5 bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 COAL WAS ENCOUNTERED AT 50 FEET 60 INCHES
240 FEET 48 INCHES 480 FEET 60 INCHES
590 FEET 24 INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Note: Casinghead lowered 2' in 1944. All measurements should be made from a point 2' above casinghead.							
Clay			0	25			
Slate			25	50			
Coal			50	55			
Lime			55	110			
Sand			110	175			
Slate			175	240			
Coal			240	244			
Lime			244	300			
Slate			300	360			
Sand			360	425			
Slate			425	480			
Coal			480	485			
Lime			485	570			
Sand			570	590			
Coal			590	592			
Lime			592	640			
Slate			640	735			
Sand			735	780			
Slate & Shells			780	880			
Sand			880	960			
GRAMPUS			960	1070			
Slate			1070	1110			
SALT SAND			1110	1470			
Slate			1470	1475			
Slate & shells			1475	1525			
Sand			1525	1545			
Slate & shells			1545	1580			
Lime			1580	1620			
Red Rock			1620	1680			
Slate & shells			1680	1720			
Red Rock			1720	1735			
Slate & shells			1735	1800			
Lime			1800	1830			
Slate & shells			1830	2000			
Red Rock			2000	2015			
Little Lime			2015	2075			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
BIG LIME			2075	2240			
BIG INJUN			2240	2270			
Slate & shells			2270	2745			
Brown shale			2745	2764			
BEREA SAND			2764	2794	Oil	2781' - 2794'	
Black Slate			2794	2796	Gas	2781' - 2784'	
TOTAL DEPTH				2796			
2nd shot - 12-9-25 from 2780' to 2794' with 80 qts glycerine.							

Date May 15, 19 51

APPROVED THE PURE OIL COMPANY, Owner

By [Signature]
(Title)
Division Superintendent