

Company	The Pure Oil Co.
Address	Newark, Ohio
Farm	Williams Coal Co.
Tract	Acres 12000 Lease No. 5012
Well (Farm) No.	167 Serial No. 422
Elevation (Spirit Level)	692
Quadrangle	Montgomery
County	Kenewh District Cabin Creek
Engineer	J. J. Hamlin
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-1000-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

1700

WELL RECORD

Permit No. 1000-A 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. 167 Elev. 692
District Cabin Creek County Kanawha
The surface of tract is owned in fee by Shank Land Company
802 Kan. Bkng & Trust Co. Address - Charleston, W. Va.
Mineral rights are owned by Ditto
Address _____

Drilling commenced November 27, 1917
Drilling completed February 9, 1918
Date Shot 2-10-18 From 2345 To 2373
With 120 Qts glycerin

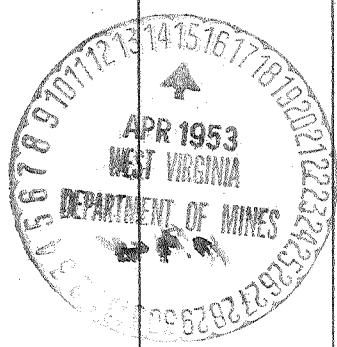
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil 65 bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water 585 feet 1620 feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13	<u>40'</u>	<u>Pulled</u>	
10	<u>445'</u>	<u>445'</u>	Size of _____
8 1/4	<u>1050'</u>	<u>300'</u>	
6 5/8	<u>1690'</u>	<u>1690'</u>	Depth set _____
5 3/16			
3	<u>2332'</u>	<u>2332'</u>	Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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

COAL WAS ENCOUNTERED AT 370 FEET 60 INCHES
____ FEET _____ INCHES FEET _____ INCHES
____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Quick Sand			0	40			
Sand	white		40	90			
Line	black		90	190			
Sand	white		190	240			
Slate	black		240	370			
Coal	black		370	375			
Slate	black		375	450			
Sand	white		450	500			
Slate	black		500	560			
BIG DUNKARD	white		560	680	water	585'	Hole filled up 500'
Slate	black		680	740			
SALT SAND	white		740	1050			
Slate	white		1050	1160			
Red Rock	red		1160	1220			
Slate	black		1220	1490			
MAXON	white		1490	1590			
Line	black		1590	1640	water	1620	Hole filled up 1100'
Pencil slate			1640	1650			
Line	black		1650	1680			
BIG LINE	white		1680	1890	gas	1820'	show
BIG INJUN	red		1890	1920			
Slate & shells			1920	2310			
Shale	brown		2310	2326			
BEREA SAND			2326	2367			
TOTAL DEPTH				2373	oil	2344-2367	
Present T.D.				2365	gas	2344	



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE. ONE COPY MAILED TO THE DEPARTMENT. ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

Shonk Land Co. - 802 Kanawha Banking & Trust Co. Bldg. - Charleston, W. Va.
COAL OPERATOR OR OWNER
ADDRESS

The Pure Oil Company
NAME OF WELL OPERATOR
Box 551 - Newark, Ohio
COMPLETE ADDRESS

February 23, 1954
WELL AND LOCATION
Cabin Creek District

Shonk Land Co. - 802 Kanawha Banking & Trust Co. Bldg. - Charleston, W. Va.
LEASE OR PROPERTY OWNER
ADDRESS

Kanawha County

Well No. 167
Williams Coal Company Farm

STATE INSPECTOR SUPERVISING PLUGGING Dana E. Lawson

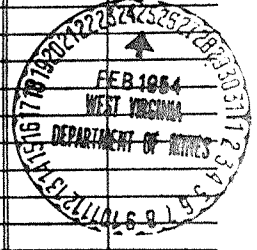
AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Kanawha ss:

Rex Mason and Delbert Whiting
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by The Pure Oil Company, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 27 th day of January, 1954, and that the well was plugged and filled in the following manner:

BAND OR ZONE RECORD	FILLING MATERIAL			PLUGS USED	CASING	
	FORMATION	CONTENT	FROM TO		SIZE & RING	COG PULLED
Set bridge	2100' to approximately 1705'	Filled w/ cement and pulled from hole.	2090' to 2050'	Shot of 3" tubing		
Set bridge			1705 1695			
Big Lime		Cement	1695 1685	10' cement		
Ripped 7" csg.			1610' and pulled from hole.		1610'	80'
Set bridge			1610 1600			
Lime		Cement	1600 1590	10' cement		
Set bridge			1090 1080			
Slate		Clay	1080 1060			
Salt Sand		Cement	1060 1040	20' cement		
Set bridge			750 740			
Slate		Clay	740 720			
Slate		Cement	720 710	10' cement		
Big Dunkard		Clay	710 540			
Slate		Cement	540 530	10' cement		
COAL BEAMS	DESCRIPTION OF MONUMENT					
(NAME)						10-3/4" csg. cemented around 2"
(NAME) 1st			0 445			tbg. vent, protruding above surface
(NAME)						30" high, w/ metal plate on top
(NAME)						stenciled POCO 167.



and that the work of plugging and filling said well was completed on the 17 th day of February, 1954.

And further deponents saith not.

Sworn to and subscribed before me this 18 th day of February, 1954.

My commission expires:
My Commission Expires July 26, 1961

Rex Mason
Delbert Whiting
Dana E. Lawson
Notary Public.

Permit No. Kan-1000

2

Set bridge 455 455
Sand, slate Cement 455 455 20' cement
10-3/4" csg. left in well, not pulled.
Ran 20' of 2" tubing w/ rag packer on bottom and filled w/ cement from top of
packer to surface leaving 2" tubing open for vent.

455'