



Company The Pure Oil Co.
 Address Newark, Ohio
 Farm Williams Coal Co.
 Tract _____ Acres 12000 Lease No. 5012
 Well (Farm) No. 46 Serial No. 312
 Elevation (Spirit Level) 1335
 Quadrangle Montgomery
 County Kanawha District Cabin Creek
 Engineer J. B. Hunt
 Engineer's Registration No. Ohio-2912
 File No. _____ Drawing No. _____
 Date 11-22-49 Scale 1" = 200'

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

WELL LOCATION MAP
FILE NO. KAN-670-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.

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

WILLIAMS COAL CO. NO. 46 WELL.

670A

Cabin Creek District, Kanawha County, W. Va.

By The Pure Oil Co., Box 551, Newark, Ohio.

Abandoned under permit Kan-.....-A?

On 12,000 acres, on Cabin Creek.

Elevation, 1335' L.

Surface and minerals owned by Shonk Land Co., 802 Kanawha Banking & Trust Bldg., Charleston, W. Va.

Drilling commenced Sept. 9, 1916; completed Nov. 10, 1916.

Shot Nov. 13, 1916, at 3004-3022', with 70 qts.

Oil, 60 bbls., 1st 24 hrs.

Fresh water at 250 and 600'.

Salt water at 1520'.

10" casing, 850'; 8 1/4", 1755'; 6 3/8", 2355'; 2" tubing, 3025'; 4" liner, 246' 8".

Coal was encountered at 735-740 and 800-803'.

Oil well. Record to Dept. of Mines dated Dec. 20, 1949. Stamped

Jan. 16, 1950.

Record to RGT from Mrs. Griffith Nov. 28, 1951. Old File No. 1611.

	Top.	Bottom.
Clay	0	10
Sand, gray	10	40
Slate, black	40	200
Slate, gray (water, 250', 2 Blrs./hr)	200	350
Slate, black (water, 600', 4 Blrs/hr)	350	650
Sandy lime	650	735
Coal, black	735	740
Lime, black	740	800
Coal, black	800	803
Sandy lime	803	850
Slate and shells	850	1000
Sand, gray	1000	1050
Slate and shells	1050	1110
Sand, gray	1110	1210
Lime, black	1210	1240
Grampus Sand	1240	1320
Slate, black	1320	1390
Salt Sand, gas show, 1480'; hole full water, 1520')	1390	1730
Slate, black	1730	1735
Lime, gray	1735	1940
Red rock	1940	2000
Slate and shells	2000	2090
Red rock	2090	2140
Slate, gray	2140	2240
Lime, black	2240	2280
Slate, black	2280	2288
Lime, black	2288	2330
Pencil Cave	2330	2338
Lime, black	2338	2344
Big Lime	2344	2575
Big Injun Sand, red	2575	2615
Slate and shells	2615	2975
Slate, "Coffee"	2975	2988
Berea Sand	2988	3022
Lime, black	3022	3025
Total depth		3025



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

1611

Permit No. KAN-670-A

WELL RECORD

Oil or Gas Well Oil
(KIND)

Company The Pure Oil Company
Address P.O. Box 551 - Newark, Ohio
Farm Williams Coal Company Acres 12,000
Location (waters) Cabin Creek
Well No. 46 Elev. 1335
District Cabin Creek County Kanawha
The surface of tract is owned in fee by Shonk Land Co.
802 Kanawha Banking & Trust Co. Bldg. Address Charleston, W.Va.
Mineral rights are owned by Shonk Land Co.
802 Kanawha Banking & Trust Co. Bldg. Address Charleston, W.Va.
Drilling commenced 9/9/16
Drilling completed 11/10/16
Date Shot 11/13/16 From 3004 To 3022
With 70 Qts.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	850'	850'	Size of
8 3/4	1735'	none	
6 5/8	2355'	2355'	Depth set
5 3/16			
3			Perf. top
2	3025'	3025'	Perf. bottom
Liners Used	4"	2 1/2" 8"	Perf. top
			Perf. bottom

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil 60 bbls., 1st 24 hrs.
Fresh water 250 feet 600 feet
Salt water 1520 feet _____ feet

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

COAL WAS ENCOUNTERED AT 735 FEET 60 INCHES
800 FEET 36 INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay			0	10			
Sand	gray		10	40			
Slate	black		40	200			
Slate	gray		200	350	water	250'	2 blrs pr hr
Slate	black		350	650	water	600'	4 blrs pr hr
Sandy lime			650	735			
Coal	black		735	740			
Lime	black		740	800			
Coal	black		800	803			
Sandy lime			803	850			
Slate & shells			850	1000			
Sand	gray		1000	1050			
Slate & shells			1050	1110			
Sand	gray		1110	1210			
Lime	black		1210	1240			
Grampus			1240	1320			
Slate	black		1320	1390			
SALT SAND			1390	1730	gas	1480'	show
Slate	black		1730	1735	water	1520'	H.F.
Lime	gray		1735	1940			
Red Rock			1940	2000			
Slate & shells			2000	2090			
Red rock			2090	2140			
Slate	gray		2140	2240			
Lime	black		2240	2280			
Slate	black		2280	2288			
Lime	black		2288	2330			
Pencil cave			2330	2338			
Lime	black		2338	2344			
BIG LIME			2344	2575			
BIG INJUN SAND red			2575	2615			
Slate & shells			2615	2975			
Slate "coffee"			2975	2988			
BERRA SAND			2988	3022			
Lime	black		3022	3025			
TOTAL DEPTH				3025			

