

Company The Pure Oil Co.
 Address Newark, Ohio
 Farm Williams Coal Co.
 Tract _____ Acres 12000 Lease No. 5012
 Well (Farm) No. 168 Serial No. 318
 Elevation (Spirit Level) 1000
 Quadrangle Montgomery
 County Kanawha District Cabin Creek
 Engineer J. H. Hunter
 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-676-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.

6-6-290

WILLIAMS COAL CO. NO. 168 WELL.

676A

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, 1000' L.

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

Drilling commenced Nov. 1, 1918; completed Jan. 22, 1919.

Shot Feb. 15, 1919, at 2686-2698', with 30 qts.

Oil, 12 bbls., 1st 24 hrs.

Fresh water at 980'.

Salt water at 1190'. (pulled);

10" casing, 495'; 8 1/2" 1355'; 6 3/8" 2021'; 2" tubing, 2722'.

Coal was encountered at 117-120, 317-320, and 463-465'.

Oil well. Record to Dept. of Mines dated Dec. 21, 1949. Stamped Jan. 15, 1950.

Record to RCT from Mrs. Griffith Nov. 28, 1951. Old File No. 1614.

	Top.	Bottom.
Conductor	0	10
Sand, yellow	10	75
Slate, black	75	117
Coal, black	117	120
Slate, white	120	200
Lime, white	200	240
Slate, black	240	317
Coal, black	317	320
Sand, white	320	440
Slate, black	440	463
Coal, black	463	465
Sand, white	465	555
Slate, black	555	610
Lime, black	610	640
Sand, white	640	675
Lime, black	675	725
Sand, white	725	855
Slate, black	855	857
Sand, white (water, 980', 2 bailers per hour)	857	1023
Salt Sand, white (water, 1190'; filled up 600')	1023	1350
Slate, white	1350	1355
Red rock	1355	1360
Slate and lime, black	1360	1455
Red rock	1455	1461
Slate and lime, black	1461	1606
Red rock	1606	1666
Slate and shells, white	1666	1740
Red rock	1740	1760
Slate and shells, white	1760	1800
Red rock	1800	1850
Slate and lime, black	1850	2000
Pencil Cave, black	2000	2006
Big Lime, white (gas show, 2140')	2006	2241
Big Injun Sand, red	2240	2263
Slate and shells, black	2263	2658
Shale, brown	2658	2668

(OVER)

WILLIAMS COAL CO. NO. 168 WELL (Continued).

	Top.	Bottom.
Berea Sand, white (oil, 2691-2698')	2668	- 2698
Slate, black	2698	- 2700
Total depth		2700

NOTE: Casing-head lowered 2' 7".



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

1614

WELL RECORD

Permit No. KAN-676-A

Oil or Gas Well Oil
(KIND)

Company The Pure Oil Company
Address P.O. Box 551- Newark, Ohio
Farm Williams Coal Co. Acres 12,000
Location (waters) Cabin Creek
Well No. 168 Elev. 1000
District Cabin Creek County Kanawha - W. Va.
Shonk Land Co.
The surface of tract is owned in fee by 602 Kanawha Banking & Trust Co. Bldg. Address Charleston, W. Va.
Mineral rights are owned by 602 Kanawha Banking & Trust Co. Bldg. Address Charleston, W. Va.
Drilling commenced 11/1/18
Drilling completed 1/22/19
Date Shot 2/15/19 From 2686 To 2698
With 30 qts.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	195'	195'	Size of
8 1/4	1355'	None	
6 5/8	2021'	2021'	Depth set
5 3/16			
3			Perf. top
2	2722'	2722'	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

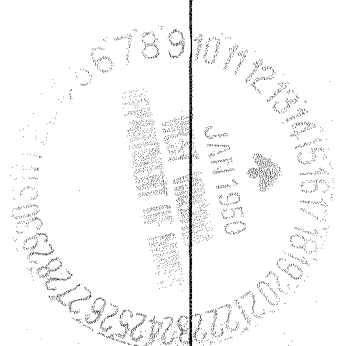
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil 12 bbls., 1st 24 hrs.
Fresh water 980 feet
Salt water 1190 feet

CASING CEMENTED	SIZE	No. Ft.	Date
COAL WAS ENCOUNTERED AT <u>117</u> FEET <u>36</u> INCHES			
<u>317</u> FEET	<u>36</u> INCHES	<u>463</u> FEET	<u>24</u> INCHES
_____ FEET	_____ INCHES	_____ FEET	_____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Conductor			0	10			
Sand	yellow		10	75			
Slate	black		75	117			
Coal	black		117	120			
Slate	white		120	200			
Lime	white		200	240			
Slate	black		240	317			
Coal	black		317	320			
Sand	white		320	440			
Slate	black		440	463			
Coal	black		463	465			
Sand	white		465	555			
Slate	black		555	610			
Lime	black		610	640			
Sand	white		640	675			
Lime	black		675	725			
Sand	white		725	855			
Slate	black		855	857			
Sand	white		857	1023	Water	980	2 bailers per
SALT SAND	white		1023	1350	Water	1190	filled up 600'
Slate	white		1350	1355			
Red Rock			1355	1360			
Slate & Lime	black		1360	1455			
Red rock			1455	1461			
Slate & lime	black		1461	1606			
Red Rock			1606	1666			
Slate & shells	white		1666	1740			
Red Rock			1740	1760			
Slate & shells	white		1760	1800			
Red Rock			1800	1850			
Slate & Lime	black		1850	2000			
Pencil Cave	black		2000	2006			
BIG LIME	white		2006	2241	Gas	2140'	Show
BIG INJUN	red		2241	2263			
Slate & shells	black		2263	2658			
Shale	brown		2658	2668	Oil	2691'-2698'	
BEREA SAND	white		2668	2698			
Slate	black		2698	2700			
					2700'	TOTAL DEPTH	

NOTE: Casing head lowered 2'7".

(Over)



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

Date December 21, 1949
THE PURE OIL COMPANY, Owner

P.O. Box 551 - Newark, Ohio

APPROVED _____

By _____

Harold Willey
 Senior Superintendent