

Company	<u>The Pure Oil Co</u>
Address	<u>Newark, Ohio</u>
Farm	<u>Williams Coal Co.</u>
Tract	<u>Acres 12000 Lease No. 5012</u>
Well (Farm) No.	<u>79 Serial No. 315</u>
Elevation (Spirit Level)	<u>1376</u>
Quadrangle	<u>Montgomery</u>
County	<u>Kanawha District Cabin Creek</u>
Engineer	<u>J. B. Hunter</u>
Engineer's Registration No.	<u>Ohio-2912</u>
File No.	<u>Drawing No.</u>
Date	<u>11-22-49 Scale 1" = 200'</u>

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

WELL LOCATION MAP
 FILE NO. KAN-673-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.

WILLIAMS COAL CO., 79 - THE PURE OIL CO., - KAN-673-A

WILLIAMS COAL CO. NO. 79 WELL.

673A

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, 1376' L.

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

Drilling commenced Feb. 21, 1917; completed May 21, 1917.

Shot May 23, 1917, at 3063-3071', with 30 qts.; and Dec. 16, 1943, at 3063-3073', with 30 qts.

Oil, 26 bls., 1st 24 hrs.

Fresh water at 240 and 670'.

Salt water at 1510 and 1985'.

10" casing, 870'; 8 $\frac{1}{2}$ " , 1765' (pulled); 6 $\frac{5}{8}$ " , 2400'; 5 $\frac{1}{2}$ " , 3041'.

Casing cemented: 5 $\frac{1}{2}$ " , 3041', in 1945.

Coal was encountered at 110-112, 460-464, 650-655, 700-702, and 827-830'.

Water injection 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. 1612.

	Top.	Bottom.
Conductor	0 -	8
Sand, white	8 -	70
Slate, black	70 -	110
Coal, black	110 -	112
Slate, black	112 -	130
Sand, white	130 -	200
Slate, black	200 -	230
Sand, white (water, 240', $\frac{1}{2}$ blr./hr.)	230 -	320
Slate, black	320 -	375
Lime, white	375 -	450
Slate, black	450 -	460
Coal, black	460 -	464
Slate, black	464 -	480
Lime, white	480 -	570
Slate, white	570 -	580
Lime, gray	580 -	650
Coal, black	650 -	655
Lime, gray (water, 670', $1\frac{1}{2}$ blrs./hr.)	655 -	685
Sand, white	685 -	700
Coal, black	700 -	702
Slate, black	702 -	710
Lime, black	710 -	795
Slate, black	795 -	800
Lime, black	800 -	827
Coal, black	827 -	830
Sand, white	830 -	845
Slate, black	845 -	850
Lime, gray	850 -	860
Sand, white	860 -	920
Slate, black	920 -	945
Lime, gray	945 -	960
Slate, black	960 -	1005
Sand, white	1005 -	1040
Lime, gray	1040 -	1080
Slate, black	1080 -	1130
Sand, white	1130 -	1280
Slate, black	1280 -	1285

(OVER)

WILLIAMS COAL CO. NO. 79 WELL (Continued).

	Top.	Bottom.
Big Dunkard Sand, white	1285	- 1370
Slate, black	1370	- 1425
Salt Sand, white (water, 1510', filled up 1000')	1425	- 1775
Slate and lime shells	1775	- 1910
Red rock	1910	- 1975
Sand, white (water, 1985', 6 bailers per hour; reduced to 3 bailers in 24 hrs.)	1975	- 2000
Slate and shells	2000	- 2135
Red rock	2135	- 2160
Slate and shells	2160	- 2245
Maxton Sand, white	2245	- 2265
Slate and shells	2265	- 2370
Little Lime, black	2370	- 2385
Pencil Cave	2385	- 2392
Big Lime, white	2392	- 2600
Slate, black	2600	- 2620
Big Injun Sand, red	2620	- 2660
Slate and shells	2660	- 3030
Shale, brown	3030	- 3042
Berea Sand, white (oil, 3057')	3042	- 3071
Total depth		3081



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

1612

Permit No. KAN - 673-A

WELL RECORD

Oil or Gas Well Water Injection
(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. 79 Elev. 1376
District Cabin Creek County Kanawha
The surface of tract is owned in fee by Shonk Land Company
802 Kanawha Banking & Trust Co. Bldg. Address Charleston, W.Va.
Mineral rights are owned by Shonk Land Company
802 Kanawha Banking & Trust Co. Bldg. Address Charleston, W.Va.
Drilling commenced 2/21/17
Drilling completed 5/21/17
Date Shot 12/16/43 From 3063 To 3071
With 1st. 30 Qts, 2nd. 30 Qts.

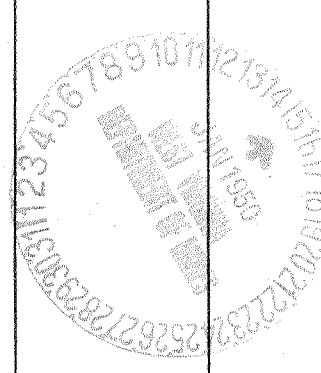
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	870	870	Size of
8 1/4	1765	Pulled	
6 5/8	2100	2100	Depth set
5 7/16	30 1/2	30 1/2	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil 26 _____ bbls., 1st 24 hrs.
Fresh water 240 feet 670 feet
Salt water 1510 feet 1985 feet

CASING CEMENTED 5/8" SIZE 30 1/2 No. Ft. 1945 Date _____
Cemented with 110 sacks.
COAL WAS ENCOUNTERED AT 110 FEET 24 INCHES
460 FEET 48 INCHES 650 FEET 60 INCHES
700 FEET 24 INCHES 827 FEET 36 INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Conductor			0	8			
Sand	white		8	70			
Slate	black		70	110			
Coal	black		110	112			
Slate	black		112	130			
Sand	white		130	200			
Slate	black		200	230			
Sand	white		230	320	Water	240'	1/2 blr. pr. hr.
Slate	black		320	375			
Lime	white		375	450			
Slate	black		450	460			
Coal	black		460	464			
Slate	black		464	480			
Lime	white		480	570			
Slate	white		570	530			
Lime	gray		580	650			
Coal	black		650	655			
Lime	gray		655	685	Water	670'	1 1/2 blrs pr hr.
Sand	white		685	700			
Coal	black		700	702			
Slate	black		702	710			
Lime	black		710	795			
Slate	black		795	800			
Lime	black		800	827			
Coal	black		827	830			
Sand	white		830	845			
Slate	black		845	850			
Lime	gray		850	860			
Sand	white		860	920			
Slate	black		920	945			
Lime	gray		945	960			
Slate	black		960	1005			
Sand	white		1005	1040			
Lime	gray		1040	1080			
Slate	black		1080	1130			
Sand	white		1130	1280			
Slate	black		1280	1285			
Big Dunkard	white		1285	1370			

(Over)



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	black		1370	1425			
SALT SAND	white		1425	1775	Water	1510'	Filled up 1000'
Slate & lime shells			1775	1910			
Red Rock			1910	1975			
Sand	white		1975	2000	Water	1985'	6 blrs per hr
Slate & Shls			2000	2135			Reduced to 8
Red Rock			2135	2160			blrs -2 1/2 hrs.
Slate & shells			2160	2245			
MAXON SAND	white		2245	2265			
Slate & shells			2265	2370			
Little Lime	black		2370	2385			
Pencil cave			2385	2392			
BIG LIME	white		2392	2600			
Slate	black		2600	2620			
BIG INJUN	red		2620	2660			
Slate & shells			2660	3030			
Shale	brown		3030	3042			
BEREA	white		3042	3071	Oil	3057'	
		TOTAL DEPTH		3081			

Date December 21, 1919

APPROVED The Pure Oil Company, Owner
P.O. Box 551-Newark, Ohio

By Ford Hill
Senior Superintendent (Title)