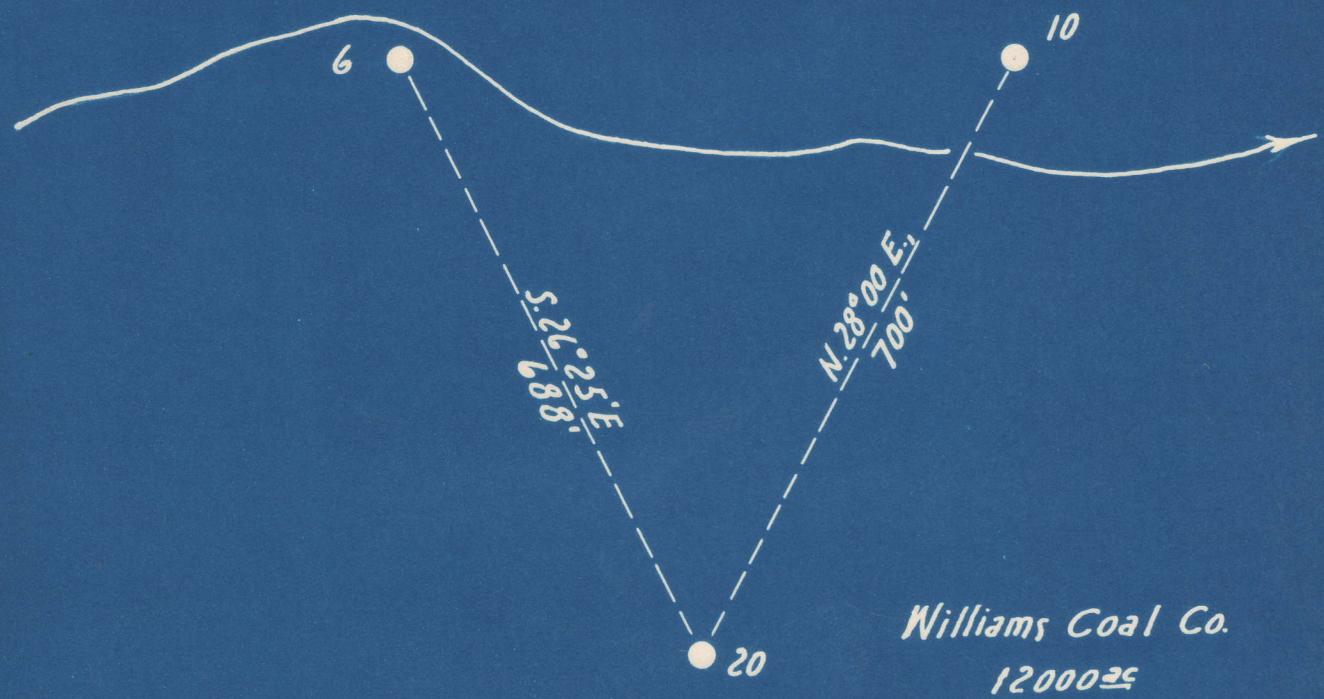


Latitude $38^{\circ} 10'$

Longitude $81^{\circ} 25'$

0
1
2
3

+



Williams Coal Co.
12000~~35~~

S 2.89
W 3.67

New Location...
Drill Deeper.....
Abandonment.....

Company The Pure Oil Co.
 Address Newark, Ohio
 Farm Williams Coal Co.
 Tract _____ Acres 12000 Lease No. 5012
 Well (Farm) No. 20 Serial No. 304
 Elevation (Spirit Level) 1196
 Quadrangle Montgomery WC
 County Kanawha District Cabin Creek
 Engineer J. B. 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-661-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.

6-6 240



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

1531

WELL RECORD

Oil or Gas Well Water Injection
(KIND)

Permit No. 661-A

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. 20 Elev. 1196
District Cabin Creek County Kanawha
The surface of tract is owned in fee by Shonk Land Co.
802 Kan. Banking & Trust Co. Bldg. Charleston, W. Va.
Address
Mineral rights are owned by Shonk Land Co.
802 Kan. Banking & Trust Co. Bldg. Charleston, W. Va.
Address
Drilling commenced 1/15/16
Drilling completed 3/22/16
Date Shot 3/23/16 From To 2864
With 80 qts.
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil 278 bbls., 1st 24 hrs.
Fresh water 200' feet feet
Salt water 1360' feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13 Wood	16'	16'	
10	686'8"	686'9"	Size of
8 1/4	1550'	None	
6 3/8	2216'8"	2216'8"	Depth set
5 3/16			
3	2835'	2835'	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date
COAL WAS ENCOUNTERED AT 525 FEET 72 INCHES
610 FEET 24 INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Coal			200		Water	200'	3 bailers
Coal			525	610	gas	525'	
Coal			610	645	gas	610'	
Sand			645	740			
Slate			740	820			
Sand			820	880			
Slate			880	900			
Sand			900	925			
Slate and Grampus			925	1165			
Slate & shells			1165	1230			
SALT SAND			1230	1550	water	1360'	
Slate & shells			1550	1688			
Red Cave-Hole caved			1688	1733			
Shells cemented			1733	1765			
Red Rock			1765	1785			
Slate & shells			1785	1910			
Red Rock			1910	1968			
Sand			1968	1973			
Lime			1973	1990			
Red Rock			1990	2010			
Shells			2010	2020			
Slate black			2020	2068			
Lime			2068	2115			
Pencil			2115	2120			
Lime			2120	2140			
Slate black			2140	2143			
Lime			2143	2185			
BIG LIME			2185	2395			
RED INJUN			2395	2430			
Slate & shells			2430	2826			
BEREA GRIT			2826	2864			
			2864	2868			
			TOTAL DEPTH	2868			



