



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

1776

Permit No. Kan-932-A

WELL RECORD

Oil or Gas Well Water Inj.
(KIND)

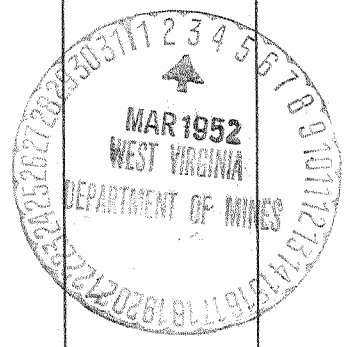
Company The Pure Oil Company
Address Box 551 - Newark, Ohio
Farm Williams Coal Co. Acres 12,000
Location (waters) _____
Well No. 170 Elev. 1105'
District Cabin Creek County Kanawha
The surface of tract is owned in fee by Shonk Land Company
802 Kanawha Banking & Trust Co. Bldg.
Address Charleston, W. Va.
Mineral rights are owned by Same as above
Address _____
Drilling commenced March 8, 1919
Drilling completed June 18, 1919
Date Shot 7-9-19 From 2816 To 2823
With 30 Qts.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			
10-3/4"	604'	604'	Size of
8 1/4"	1466'	Pulled	
6 3/8"	2154'	2154'	Depth set
5 3/16"			
3		2803'	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 _____ 18 _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water 1320' feet _____ feet

CASING CEMENTED	SIZE	No. Ft.	Date
	70'	48"	
COAL WAS ENCOUNTERED AT	177'	36" INCHES	
230'	48"	360'	48" INCHES
310' FEET	36" INCHES	394'	48" INCHES
440' FEET	60" INCHES	725'	24" INCHES
550'	72"	860'	48"

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Soil & Clay			0	4			
Slate & Shells	dark		4	70			
Coal			70	74			
Sand & Lime	white		74	85			
Slate	dark		85	87			
Sand	white		87	170			
Coal			177	180			
Sand	white		180	230			
Coal			230	234			
Lime	gray		234	260			
Sand	gray		260	310			
Coal			310	313			
Lime	gray		313	315			
Slate & Shells	dark		315	360			
Coal			360	364			
Slate & Shells			364	394			
Coal			394	398			
Lime	white		398	405			
Slate & Shells	dark		405	415			
Lime	dark		415	425			
Sand	white		425	440			
Coal			440	445			
Lime			445	460			
Slate & Shells	dark		460	485			
Lime	gray		485	490			
Sand	dark		490	545			
Lime	dark		545	550			
Coal			550	556			
Slate & Shells	dark		556	580			
Sand	white		580	640			
Slate	white		640	654			
Sand	white		654	675			
Slate & Shells	dark		675	725			
Coal			725	727			
Slate	black		727	747			
Sand			747	820			
Slate	black		820	860			
Coal			860	864			
Lime	gray		864	880			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			880	915			
Slate			915	917			
Sand			917	960			
Slate			960	964			
Sand			964	1000			
Slate			1000	1002			
GRAMPUS			1002	1130			
Slate & Shells dark			1130	1185			
SALT SAND			1185	1460	Water	1320'	Hole full
Slate & Shells			1460	1540			
Lime			1540	1555			
Sand			1555	1600			
Lime			1600	1620			
Slate			1620	1632			
Red Rock			1632	1642			
Slate & Shells			1642	1647			
Red Rock			1647	1680			
Sand			1680	1720			
Slate & Shells			1720	1785			
MAXON SAND			1785	1800			
Slate & Lime			1800	1920			
Sand			1920	1935			
Slate & Lime			1935	2030			
Lime	black		2030	2072			
Slate			2072	2080			
Lime			2080	2105			
Slate			2105	2129			
BIG LIME			2129	2353			
INJUN SAND			2353	2400			
Slate & Shells			2400	2450			
Sand			2450	2495			
Slate & Shells			2495	2580			
Sand	black		2580	2590			
Slate & Shells			2590	2790			
Shale			2790	2798			
BEREA SAND			2798	2824	Oil	2816-2823	
TOTAL DEPTH				2824			

Note: Casinghead lowered 4', all measurements should be made accordingly.

Date November 28, _____, 19 51

APPROVED THE PURE OIL COMPANY, Owner

By Guy J. Andersen
Division Superintendent