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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. 448-A

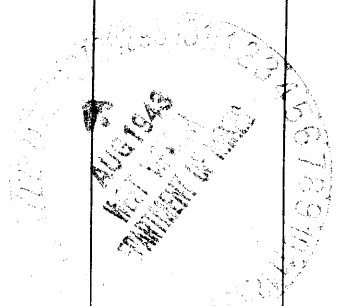
Oil or Gas Well Gas
(KIND)

Company Carnegie Natural Gas Company
Address 1011 Frick Building, Pittsburgh, Pa.
Farm Virgil L. Highland Acres 1.27
Location (waters) Raygons Run
Well No. 3E-382 Elev. 1080'
District McClellan County Doddridge
The surface of tract is owned in fee by Cecil B. Highland
Address Clarksburg, W. Va.
Mineral rights are owned by 1/2 by Cecil B. Highland,
1/2 by Melvin C. Sperry Address Clarksburg, W. Va.
Drilling commenced 8-1-27
Drilling completed 8-26-27
Date Shot From To
With
Open Flow 22 /10ths Water in 1" Inch
/10ths Merc. in _____ Inch
Volume 200,000 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet 1585 feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	<u>2 1/2" x 6"</u>		Size of
8 1/4	<u>1 1/2"</u>		
6 1/2	<u>1 7/8"</u>	<u>1781'</u>	Depth set
5 3/16			
3	<u>2 1/2"</u>	<u>2100'</u>	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
660 FEET _____ INCHES 670 FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pittsburgh Coal			660	670			
Little Dunkard			1010	1020			
Big Dunkard			1145	1175			
1st Gas Sand			1349	1390			
1st Salt Sand			1415	1433			
2nd Salt Sand			1575	1620			
Maxton			1778	1845	Water	1585	Salt
Little Lime			1935	1955	Oil	1842	
Pencil Cave			1955	1965			
Big Lime			1965	2040			
Big Injun			2040	2160	Gas & show of oil	2075	
Squaw			2164	2190	Gas	2127	
					"	2132	
					"	2136	
Total Depth				2290			



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

Date August 25, 1913

APPROVED Carnegie Natural Gas Company, Owner

By [Signature]
(Title) Geologist