



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Littleton

STORAGE

Permit No. MARS-447

WELL RECORD

Oil or Gas Well GAS
(KIND)

Company The Mfrs. Lt. and Ht. Co.
Address 800 Union Trust Bldg., Pittsburgh 19, Pa.
Farm E. N. Vaughn Acres 80

Location (waters) _____
Well No. 4681 Elev. 1176.7'
District Liberty County Marshall

The surface of tract is owned in fee by _____
Address _____

Mineral rights are owned by _____
Address _____

Drilling commenced June 24, 1962
Drilling completed July 5, 1962
Date Shot 7/5/62 From Maxton To Big Injun
With Pitot Tube

Open Flow /10ths Water in _____ Inch
15 PSIG ~~XXXXX~~ Merc. in 3.958" Inch

Volume 10,640,000 Cu. Ft.
Rock Pressure 665 lbs. 3 days hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
18 3/8"	32'	32'	
10			Size of _____
8 5/8"	914'	914'	
6 1/2"			Depth set _____
5 1/2"	2002'	2002'	
3			Perf. top _____
2			Perf. bottom _____
Liners Used _____			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 865 FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	THICKNESS THICKNESS	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
✓ Pittsburgh Coal		8	865	873			
✓ Murphy Sand		8	984	992			
✓ Little Dunkard		30	1290	1320			
✓ Big Dunkard		35	1420	1455			
✓ 1st Salt Sand		17	1555	1572			
✓ 3rd Salt Sand		19	1764	1783			
✓ Maxton Sand		43	1876	1919	Gas at 1876'		
✓ Big Lime		43	1961	2004			
✓ Big Injun			2006		Gas at 2048'	and 2129'	
5 1/2" Casing set @				2004'			
Total Depth				2156'			

