



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Cameron

Permit No. MARS-453-R

WELL RECORD

STORAGE GAS
Oil or Gas Well GAS
(KIND)

Company The Mfrs. Lt. and Ht. Co.
Address 800 Union Trust Bldg., Pittsburgh 19, Pa.
Farm William Reese Acres 45
Location (waters) _____
Well No. 4687 Elev. 1180.6'
District Liberty County Marshall
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced May 31, 1962
Drilling completed January 22, 1963
Date Shot 1/22/63 From 1958 To 2189
With Orifice Well Tester
Open Flow 2/10ths Water in 1/2 Inch
/10ths Merc. in _____ Inch
Volume 8.515MCF Cu. Ft.
Rock Pressure 230 lbs. 24 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 _____
13 3/8"	95'	95'	
10 3/4"	1140'	1140'	Size of _____
8 7/8" x 7"	1357'	1920'	
6 1/2" x 4 1/2"	2189'	2189'	Depth set _____
5 3/16"			
8			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

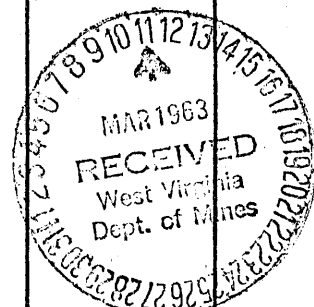
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 814 FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	THICKNESS	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
✓ Pittsburgh Coal			814	821			
✓ Murphy Sand			933	949			
✓ Big Dunkard			1306	1392			
✓ First Salt Sand			1516	1537			
✓ Second Salt Sand			1602	1617			
✓ Third Salt Sand			1703	1722			
✓ Maxton Sand			1780	1847			
✓ Lower Maxton			1908	1915			
✓ Big Line			1917	1956			
✓ Big Injun			1958	2220			
Old 7" Casing			1357	1920			
PBT			2200				
4 1/2" Tubing @				2189			
4 1/2" x 6 5/8" O.D. Packer @				1947			
TOTAL DEPTH				2189			



1917
1181
736