



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Storage

Quadrangle Liberton

Permit No. MARS-299-R

Oil or Gas Well Gas
(KIND)

Company THE MANUFACTURERS LIGHT AND HEAT COMPANY
Address 800 UNION TRUST BUILDING, PGH., PA.
Farm George Stern Acres 32
Location (waters) _____
Well No. 1-4359 Elev. 1307'
District Liberty County Marshall

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

Mineral rights are owned by _____
Address _____

Drilling commenced August 14, 1956

Drilling completed November 7, 1956

Date Shot _____ From _____ To _____

With _____

Open Flow 2/10ths Water in _____ 1/8 Inch

_____ /10ths Merc. in _____ Inch

Volume 173 Cu. Ft.

Rock Pressure 14 lbs. 144 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			
10	1181		Size of _____
8 1/4	1399		
8 1/4 7	2141		Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used _____			Perf. top _____
			Perf. bottom _____

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

COAL WAS ENCOUNTERED AT 1010 FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pittsburgh Coal			1010	1016	Run 1181' of 10 3/4" casing, SM. H40, 32# on a steel shoe set at 1172'. Cemented with 300 bags cement and 10 bags Aquagel. No return of circulation at the surface. Run 1399' of 8 5/8" casing, SM. J55, 24#, on a steel shoe set at 1388'. Run 225 bags of cement. No return of cement at the surface. Run 2141' of 7" casing, SM. J55, 20#, on a steel shoe set at 2130'. Cemented with 225 bags cement and 2 bags Aquagel. Good return of cement at the surface. Washed Injun sand down with 50 gallons of Mud Acid. 6" lead plug set at 2405' 3 ft. of cementon lead plug Reconditioned for storage on Work Order 1651-L-1019-4		
Pencil Cave			2120	2122			
Big Injun Sand			2193	2410			
TOTAL DEPTH				2402			
			2120 1307 ----- 815				

