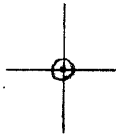


LATITUDE 39° 50' 00"



LONGITUDE 80° 30' 00"

7'5 OGIS topo location

7.5' LOC 0.915 / 15' LOC _____
 2.09w (calc.) _____

Company _____

Farm _____

Quad CAMERON 7 1/2'

County MARSHALL

District LIBERTY

WELL LOCATION MAP

File No. 051-0587

COMPANY COLUMBIA GAS TRANSMISSION CORPORATION MAP NO. C-1012

FARM N. Stover

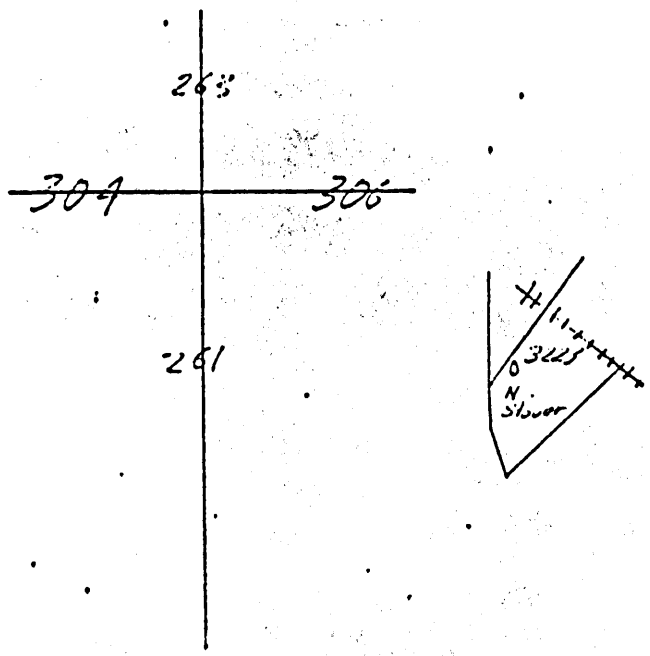
WELL NO. 60322

DISTRICT Liberty COUNTY Marshall

STATE W.V.

SCALE 1" = 1320' LONG. 80°32'28"

LAT. 39°49'17"



Division.....

248 Fourth Ave., Pittsburgh, Pa.

MSH-281

Record of Well No. 3223

on J B Miller

Farm 8

Acres

Cameron

Field

Lufbery

District

Marshall County

West Va State

Rig Commenced

Oct. 15, 1927

Completed

Oct. 13th 1927

Drilling Commenced

Oct 24 1927

Completed

Dec. 14 1928

Cost per Foot \$1.45

Contractor

M J McElwee

Address

Cameron W Va

Drillers' Names

M J McElwee, W B McElwee, Floyd Finch, Wm Moore

BOILER			ENGINE			RIG			
H. P.	No.	Name of Maker	H. P.	No.	Name of Maker	New	Old	Height	Name of Builder

CONDUCTOR AND CASING USED IN DRILLING									
Conductor	13 inch	10 inch	8 1/2 inch	6 3/4 inch	6 1/2 inch	5 3/4 inch	5 1/2 inch	5 inch	4 inch
16		2574	1262	2008 1/2					

CONDUCTOR AND CASING LEFT IN WELL									
Conductor	13 inch	10 inch	8 1/2 inch	6 3/4 inch	6 1/2 inch	5 3/4 inch	5 1/2 inch	5 inch	4 inch
14			1202	2008 1/2					

OIL WELL						GAS WELL				
When Shot	Size of Torpedo	1st Day's Production	Tubing	Rate	Tanks	Size of Packer	Depth Set	Packed with	1st Minute Pressure	Rock Press.

FORMATION	FORMATION			REMARKS
	Top	Bottom	Thickness	
Bluff sand	550	570	20	white hard
Waynesburg coal	570	574	4	black soft
Waynesburg coal	745	749	4	black soft
Thin	845	872	1	two Baileys Water Packer
Little Shankland	1268	1305	37	white hard
Big "	1347	1400	53	white hard
gas sand white hard	1525	1575	50	Show gas 15-30
Salt "	1625	1670	45	white hard
" "	1790	1820	30	white hard
Maxim sand	1895	1964	69	white hard
Big lime	1974	2021	47	white hard
" Jordan	2021	2260	239	gas 1925
Thirty foot	2630	2660	30	hard
fifty foot	2817	2865	48	some gas 2822
Shay + Gordon	2877	2922	45	gas from 2879 to 2885
Fourth Sand	2964	2972	8	266,000 cu ft
		total depth	3038 ft	

Clay yellow soft	0	14	14	Slate & shells	1670	1790
Sand white soft	14	30	16	Slate & shells	1820	1838
Slate & shells white soft	30	550	520	Salt Sand white hard	1838	1880
Limestone white hard	769	865	96	Slate black soft	1880	1995
Limestone white hard	872	1027	155	Slate black soft	1964	1976
Red Rock red soft	1020	1220	200	Slate & shells black	2260	2630
Sand white hard	1220	1245	25	Slate black soft	2660	2817
Red Rock red soft	1245	1268	23	Slate & shells black	2853	2877
Slate black soft	1305	1347	42	Slate & shells black	2922	2964
Slate & shells	1400	1525	125	Slate black soft	2972	3010
				Sand white hard	3010	3015
				Slate white soft	3015	3038