

New Location...
 Drill Deeper.....
 Abandonment.....

Company CARNEGIE NATURAL GAS

Address 1015 FRICK BLDG. PITTSBURGH 19, PA.

Farm UNITED STATES STEEL CORPORATION

Tract 122 Acres 1959.24 Lease No. 17459

Well (Farm) No. 15 Serial No. E-1700

Elevation (Spirit Level) 1585.51'

Quadrangle GILBERT - WC

County LOGAN District LOGAN

Engineer John Ottobrook

Engineer's Registration No. 1850

File No. _____ Drawing No. _____

Date 1-18-57 Scale 1" = 400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. LOG-622

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

-- Denotes one inch spaces on border line of original tracing.

3-06 765

Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Gilbert

Permit No. LOG-622

WELL RECORD

Oil or Gas Well DRY
(KIND)

Company Carnegie Natural Gas Company
Address 1015 Frick Building, Pittsburgh, Pa.
Farm U. S. Steel Corporation Tract No. 122 Acres 1959.21
Location (waters) _____
Well No. 15E-1700 Elev. 1585.51
District Logan County Logan
The surface of tract is owned in fee by United States Steel Corp. 525 Wm. Penn Place, Address Pittsburgh, Pa.
Mineral rights are owned by United States Steel Corp. 525 Wm. Penn Place, Address Pittsburgh, Pa.
Drilling commenced February 16, 1957
Drilling completed July 12, 1957
Date Shot July 17, 1957 From 4784' To 5590'
With Gelatin
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 327,000 - blew down to 33,330 Cu. Ft.
Rock Pressure 60 lbs. 6 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Bottom Hole
13 1/4"	13'	Pulled	
10-3/4"	487'	487'	Size of
8 5/8"	2128'	2128'	7" x 8-5/8"
6 5/8 7"	2967'	2967'	Depth set 2967'
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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

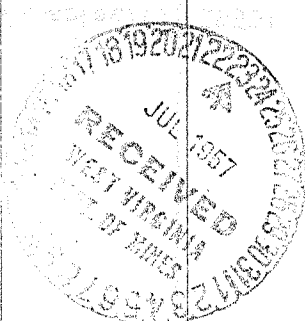
COAL WAS ENCOUNTERED AT	FEET	INCHES
15	36	36
60	36	118
264	60	36
575	12	110
1253	12	12

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water _____ Feet Salt Water 1950 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand Stone			0	15			
✓ Coal			15	18			
Slate			18	35			
Sand			35	60			
✓ Coal			60	63			
Lime			63	70			
Sand			70	150			
Slate			150	168			
Sand			168	190			
Slate and Shells			190	205			
Sand			205	216			
✓ Coal			216	220			
Sand			220	265			
Slate			265	284			
✓ Coal			284	289			
Slate and Shells			289	304			
Sand			304	324			
Slate			324	330			
✓ Coal			330	333			
Sand			333	455			
Slate and Shells			455	480			
Sand (broken)			480	575			
✓ Coal			575	576			
Sand (broken)			576	600			
Slate			600	605			
Sand			605	646			
Slate			646	649			
Lime (gritty)			649	768			
Slate and Shells			768	848			
Lime (gritty)			848	915			



(over)

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate			915	935			
Lime (gritty)			935	960			
Sand			960	1100			
Slate			1100	1140			
Coal			1140	1141			
Sand			1141	1253			
Coal			1253	1254			
Sand			1254	1390			
Lime (gritty)			1390	1418			
Sand			1418	1460			
Slate			1460	1517			
Sand			1517	2080	Water(salt)	1950'	Hole full.
Coal			2080	2081			
Slate			2081	2085			
Lime			2085	2096			
Red Rock			2096	2097			
Slate			2097	2112			
Lime (gritty)			2112	2139			
Slate and Shells			2139	2159			
Slate			2159	2176			
Lime (gritty)			2176	2200			
Slate			2200	2220			
Sand			2220	2243			
Slate			2243	2273			
Lime			2273	2283			
Sand			2283	2310			
Lime			2310	2342			
Sand			2342	2363			
Red Rock			2363	2386			
Lime			2386	2495			
Slate			2495	2526			
Sand			2526	2557			
Slate			2557	2589			
Sand			2589	2672			
Lime			2672	2700			
Slate and Shells			2700	2727			
Lime			2727	2774			
Slate			2774	2795			
Sand			2795	2811			
Slate			2811	2841			
Lime			2841	3160			
Sand			3160	3211			
Lime			3211	3318			
Weir Shells			3318	3423			
Slate and Shells			3423	3730			
Brown Shale			3730	3768			
Berea Sand			3768	3783			
Slate and Shells			3783	4195			
Lime			4195	4238			
Slate and Shells			4238	4791			
Slate			4791	4802			
Lime			4802	4900	Gas	4825	Show
Shale	Dark		4900	5095			
Shale	Gray		5095	5395			
Shale	Dark		5395	5488			
Lime Shells			5488	5495			
Shale	Dark		5495	5588	Gas Pocket	5571	Blew down in 10 mins.
Lime - Onondaga			5588	5678			
Sand	White		5678	5694			
Sand and Lime Mixture		Onondaga	5694	5698			
Lime		Holden	5698				
Total Depth				5704			

5588 5678
 1586 1586
 — 4002 — 4092

Date July 2, 1957
 APPROVED Carroll J. Natural Gas Co. Owner
 By J. L. Lawrence Driller
 (Title)