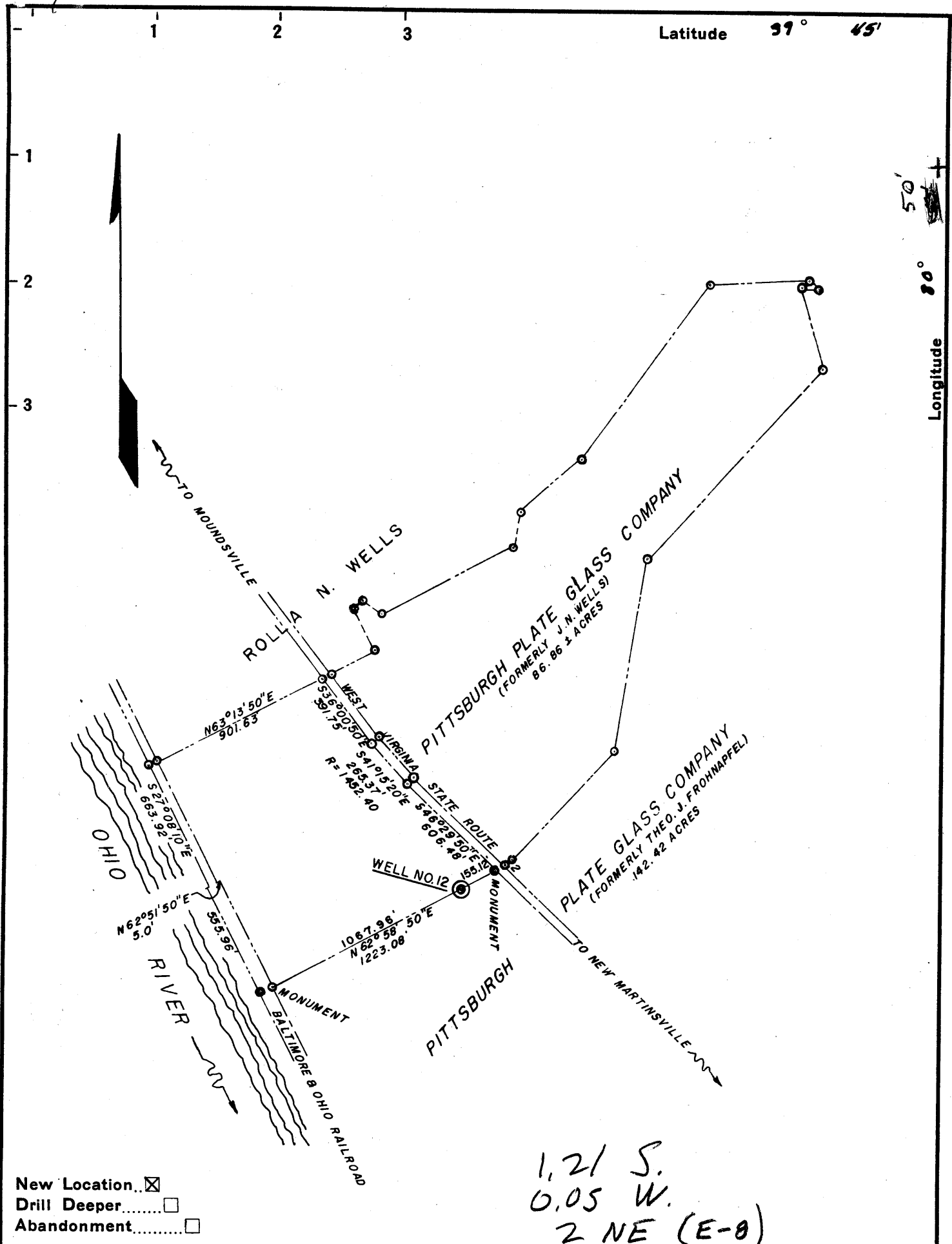


theP



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

1,21 S.
 0.05 W.
 2 NE (E-0)

Company PITTSBURGH PLATE GLASS CO.
 Address NEW MARTINSVILLE, W. VA.
 Farm PPG (FORMERLY J.N. WELLS)
 Tract _____ Acres 86.86 Lease No. _____
 Well (Farm) No. 12 Serial No. _____
 Elevation (Spirit Level) 636.8
 Quadrangle NEW MARTINSVILLE -NE
 County MARSHALL District FRANKLIN
 Engineer J.A. ANDERSON *J.A. Anderson*
 Engineer's Registration No. 1677
 File No. _____ Drawing No. SK-41129-G
 Date JANUARY 3, 1964 Scale 1" = 600'

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

WELL LOCATION MAP
 FILE NO. MARS-521

+ 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. SK-41129-G



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 12

Rotary
Spudder
Cable Tools
Storage

Quadrangle New Martinsville

Permit No. MARS-521

WELL RECORD

Oil or Gas Well Brine
(KIND)

Company Pittsburgh Plate Glass Company
Address New Martinsville, West Virginia
Farm J. N. Wells Acres _____
Location (waters) East Bank Ohio River, Natrium
Well No. 12 Elev. 637'
District Franklin County Marshall
The surface of tract is owned in fee by Pittsburgh Plate Glass Company Address New Martinsville
Mineral rights are owned by Pittsburgh Plate Glass Company Address New Martinsville
Drilling commenced February 6, 1964
Drilling completed March 21, 1964
Date Shot _____ From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ 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	63	63	
13	120	120	
10	1630	1630	Size of
8 1/4			
7	6948	6948	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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

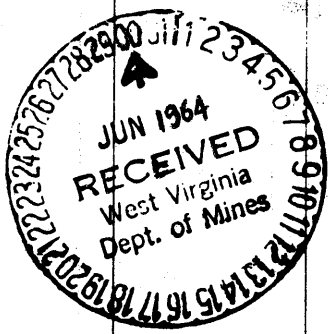
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay		Soft	0	12			
Sand & Gravel		Soft	12	40			
Sand		Soft	40	65			
Sand		Hard	65	86			
Shale		Hard	86	94			
Lime		Hard	94	103			
Shale		Hard	103	113			
Sand		Hard	113	129			
Shale		Hard	129	133			
Sand		Hard	133	148			
Shale		Hard	148	157			
Sand		Hard	157	165			
Sandy Shale		Hard	165	178			
Sand		Hard	178	188			
Shale		Hard	188	194			
Sand		Hard	194	208			
Shale		Hard	208	230			
Sand		Hard	230	234			
Shale		Hard	234	240			
Sand		Hard	240	251			
Shale		Hard	251	262			
Coal		Hard	262	266			
Shale		Hard	266	294			Pittsburgh Coal
Sand		Hard	294	318			
Shale		Hard	318	394			
Sand		Hard	394	405			
Shale		Hard	405	510			
Sand		Hard	510	536			
Shale		Hard	536	574			
Sandy Shale		Hard	574	598			



Formation	Color	Hard or Soft	Top / 2	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale		Hard	598	692			
Sand		Hard	692	703			
Shale		Hard	703	722			
Sand		Hard	722	744			
Sandy Shale		Hard	744	874			
Coal		Hard	874	878			
Shale		Hard	878	894			
Coal		Hard	894	902			
Shale		Hard	902	935			
Sand		Hard	935	940			
Shale		Hard	940	985			
Sand		Hard	985	1020			
Shale		Hard	1020	1085			
Sandy Shale		Hard	1085	1270			
Lime		Hard	1270	1280			
Shale		Hard	1280	1292			
Sand		Hard	1292	1308			
Lime		Hard	1308	1347			
Sand		Hard	1347	1380			
Sand		Hard	1380	1598			} Big Injun
Sand		Hard	1598	1620			
Shale		Hard	1620	1760			Weir
Sand		Hard	1760	1845			
Shale		Hard	1845	1956			
Sand		Hard	1956	1961			
Shale		Hard	1961	1968			
Sand		Hard	1968	1972			
Shale		Hard	1972	2100			
Sand		Hard	2100	2140			
Shale		Hard	2140	2180			
Sand		Hard	2180	2215			
Sandy Shale		Hard	2215	2440			
Shale		Hard	2440	2910			
Sand (Riley)		Hard	2910	2955			
Shale		Hard	2955	3060			
Sand (Benson)		Hard	3060	3065			
Shale		Hard	3065	4255			
Sand		Hard	4255	4262			
Shale		Hard	4262	5738			
Shale		Hard	5738	5775			Calcareous
Shale		Hard	5775	5832			Marcellus
Lime Onondaga		Hard	5832	6055			Onondaga
Sand Oriskany		Hard	6055	6115			Oriskany
Lime		Hard	6115	6730			Helderberg
Salt & Lime		Hard	6730	6915			
Lime		Hard	6915	6953			T.D. 6953

5832 6055 6115
637 637 637
5795 5418 5478

15
730
15

Date June 25, 1964

APPROVED Pittsburgh Plate Glass Company, Owner

By G. P. Long - Sr. Production Engr.
(Title)