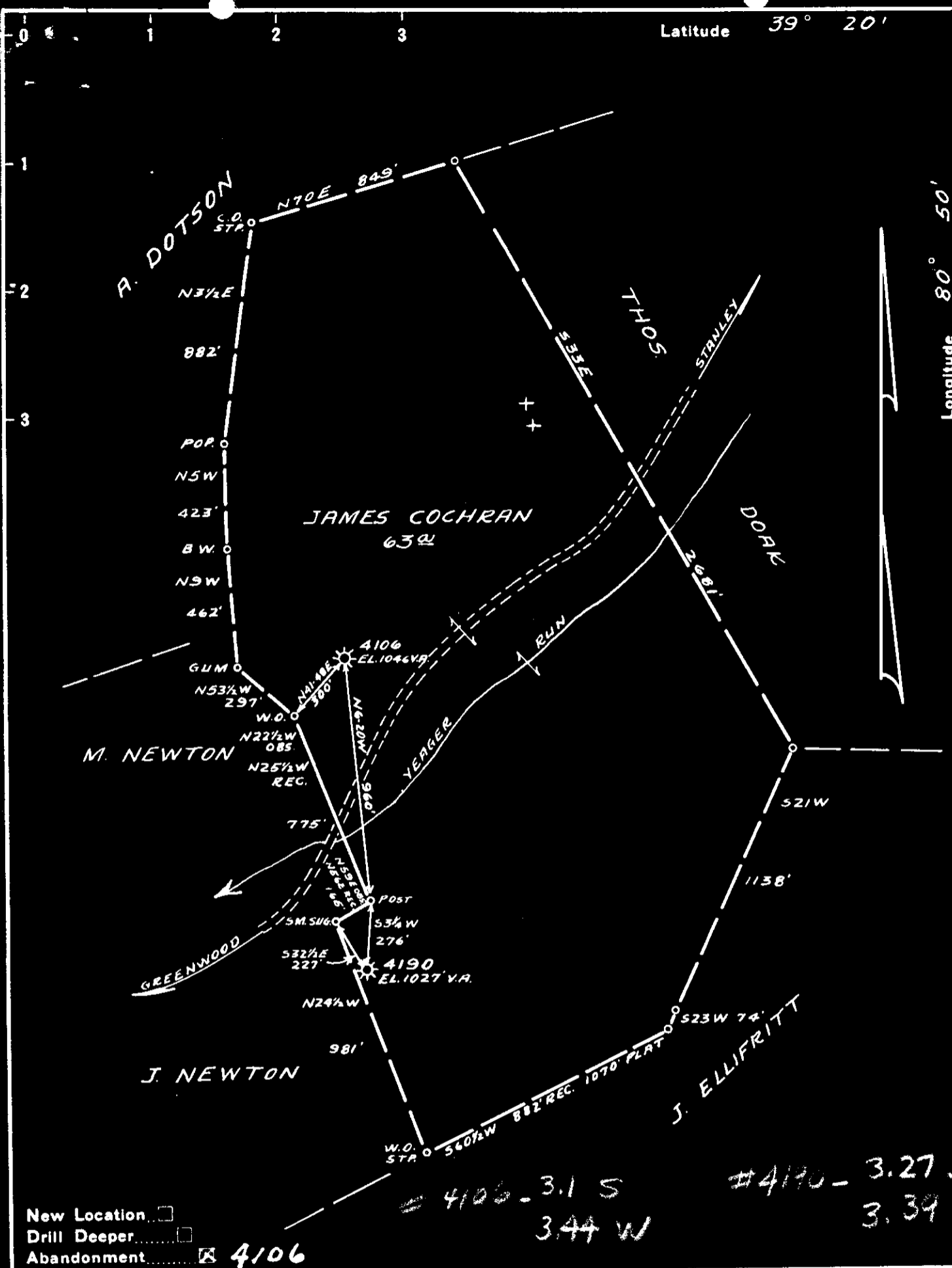


Latitude 39° 20'

Longitude 80° 50'



New Location
 Drill Deeper
 Abandonment **4106**

4106 - 3.1 S
3.44 W
#4190 - 3.27 S
3.39 W

Company PITTSBURGH & W.VA. GAS CO.
 Address CLARKSBURG, W.VA.
 Farm JAMES COCHRAN
 Tract _____ Acres 63 Lease No. 5565
 Well (Farm) No. 1E, 2 Serial No. 4106
 Elevation (Spirit Level) AS SHOWN
 Quadrangle WEST UNION S.W. 43 **SC**
 County DODDRIDGE District CENTER
 Engineer Kenneth B. Moore
 Approved By J.E. Seigum 764
 Engineer's Registration No. _____
 File No. V.160 P.53 Drawing No. _____
 Date OCT. 12, 1948 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. DOD-700-A-#4106

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

610

WELL RECORD

Permit No. 70-A

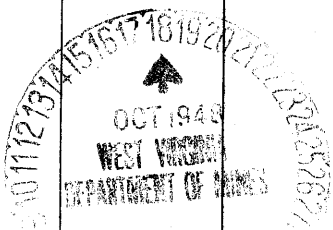
Oil or Gas Well **"GAS"**
(KIND)

Company Pittsburgh & West Va Gas Company
Address Clarksburg, W. Va.,
Farm James Cochran Acres 63
Location (waters) West Union S/E. 4-2
Well No. 4106 Elev. 1046' VA
District Central County Doddridge
The surface of tract is owned in fee by Lena Lota Cochran
406 Tyler Street Address Vienna, West Va.
Mineral rights are owned by Lena Lota Cochran
406 Tyler St. Address Vienna, West Va.
Drilling commenced October 16, 1912
Drilling completed November 13, 1912
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.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16.			
18.			
10.	222'	222'	Size of
8 1/4	963'	963'	
6 1/2	1840'	1840'	Depth set
5 3/16.			
3.			Perf. top
2.			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Dat _____
COAL WAS ENCOUNTERED AT 330 FEET 48 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Un-recorded Pgh. Coal			0	330			
Un-recorded Little Dunkard			330	334			
Un-recorded Big Dunkard			334	870			
Un-recorded Gas Sand			870	900			
Un-recorded 1st. Salt Sand			900	960			
Un-recorded 2nd. Salt Sand			960	1005			
Un-recorded 3rd. Salt Sand			1005	1090			
Un-recorded Maxon Sand			1090	1140			
Un-recorded Little Lime			1140	1345			
Un-recorded Big Lime			1345	1375			
Un-recorded Big Injun Sand			1375	1390			
Un-recorded Squaw Sand			1390	1510	Water	1420'	
Un-recorded			1510	1540			
Un-recorded			1540	1595			
Un-recorded			1595	1745			
Un-recorded			1745	1750			
Un-recorded			1750	1825			
Un-recorded			1815	1828			
Un-recorded			1828	1830			
Un-recorded			1830	1906			
Un-recorded			1906	2004	Gas	1912	
Un-recorded			2004	2015	Water	1922-1943'	
Un-recorded			2015	2017			
Un-recorded			2017	2026			
Total Depth				2026			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date **November 30, 1944**

, 194

PITTSBURGH & WEST VA GAS COMPANY.

APPROVED

, Owner

By *W. G. McArthur*

(Title)

Central District, Heddrige County, W. Va.
 By Pittsburgh & W. Va. Gas Co., Clarksburg, W. Va.
 Abandoned under permit Dod-----A?
 On 63 acres; West Union S/E 4-2.
 Elevation, 1046' V. A.
 Surface and minerals owned by Lena Leta Cochran, 406 Tyler St.,
 Vienna, W. Va.
 Drilling commenced Oct. 16, 1912; completed Nov. 13, 1912.
 10" casing, 222'; 8 1/2", 963'; 6 3/4", 1840'; all left in.
 Coal was encountered at 330-334'.
 Gas well. Record to Dept. of Mines dated Nov. 30, 1944. Filed with
 Dept. of Mines Oct. 18, 1948.
 Record to RCT from Mrs. Griffith May 21, 1949. Old File No. 610.

	Top.	Bottom.
Unrecorded	0	330
Pittsburgh Coal	330	334
Unrecorded	334	870
Little Dunkard Sand	870	900
Unrecorded	900	960
Big Dunkard Sand	960	1005
Unrecorded	1005	1090
Gas Sand	1090	1140
Unrecorded	1140	1345
1st Salt Sand	1345	1375
Unrecorded	1375	1390
2nd Salt Sand (water, 1420')	1390	1510
Unrecorded	1510	1540
3rd Salt Sand	1540	1595
Unrecorded	1595	1745
Maxton Sand	1745	1750
Unrecorded	1750	1815
Little Line	1815	1828
Unrecorded	1828	1830
Big Line	1830	1906
Big Injun Sand (gas, 1912') (water, 1922-1943')	1906	2004
Unrecorded	2004	2015
Squaw Sand	2015	2017
Unrecorded	2017	2026
Total depth		2026