

LATITUDE 39° 42' 30"

LONGITUDE 90° 00'

OGIS
7.5' loc

7.5 OGIS topo location

7.5' loc	<u>2.61</u>	15' loc	<u>5.415</u>
	<u>2.00</u>	(calc.)	<u>3.00 w</u>

Company _____

Farm _____

Quad Osage Blacksville Me

County _____

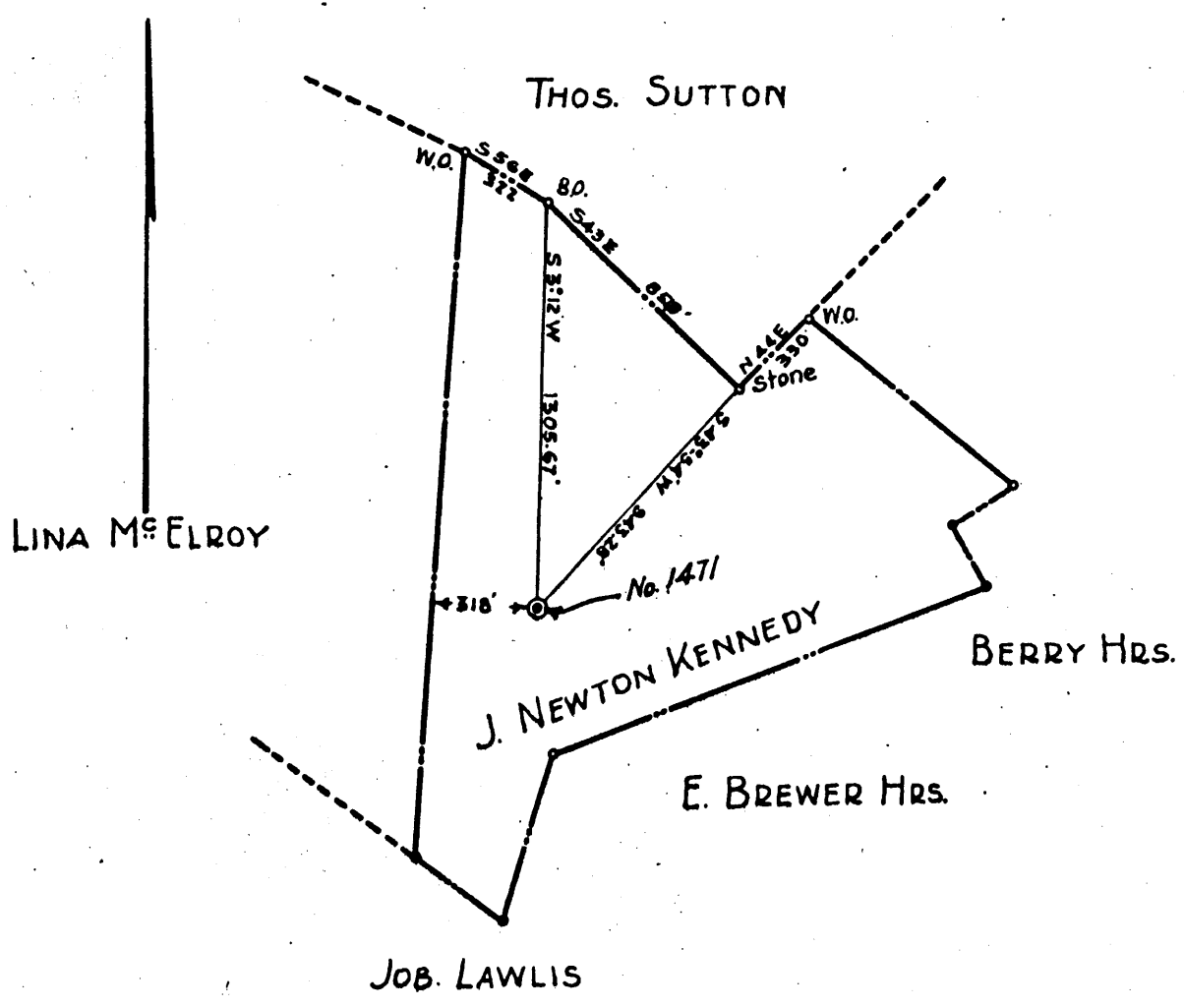
District Cass

WELL LOCATION MAP

File No. 061 - 24

PLAT OF THE PROPOSED LOCATION OF WELL NO. 1471 OF THE
 CARNEGIE NATURAL GAS COMPANY OF PITTSBURG, PENNSYLVANIA, ON THE
J.N. Kennedy FARM, CONSISTING OF 179 ACRES,
 LOCATED IN Cass DIST, Monongalia COUNTY,
 WEST VIRGINIA Blacksville N.E. QUADRANGLE.

April 4, 1930 DATE 1180 ELEVATION 1"=600' SCALE



I, the undersigned, hereby certify that this Map is correct and shows all the information to the best of my knowledge and belief, required by the oil and Gas section of the Mining Laws of West Virginia.

W.M. Butcher ENGINEER

STATE OF West Virginia
 COUNTY OF Monongalia } S.S.

ACKNOWLEDGED BEFORE ME A Notary Public THIS 4 DAY OF April 1930

Mon. 24

Wayne Cox
 My Commission Expires July 21st 1933



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Blacksville

Permit No. MON-24

WELL RECORD

Oil or Gas Well Gas

Company Carnegie Natural Gas Company
Address 1015 Frick Bldg., Pittsburgh, Pa.
Farm J. N. & Adaline Kennedy Acres 179
Location (waters) _____
Well No. 1-1471 Elev. 1169'
District Cass County Monongalia
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced May, 1930
Drilling completed November, 1930
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			
13	8'		
10	441'	441'	Size of
8 1/4	1252'	1252'	
6 5/8	1703'	1703'	Depth set
5 3/16			
3	2364'	2364'	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
Waynesburg Coal			44	48			Hole full of water at 44'
Mapletown Coal			335	340			
Pittsburgh Coal			425	431' SLM			
Little Dunkard			775	795			
Big Dunkard			865	890			Sand 1000'-1080'
Gas Sand			1100	1165			
First Salt Sand			1240	1275			
Second Salt Sand			1315	1475			Water at 1345'
Maxton Sand							
Slate and Shells							
Little Lime - Slate and Shells							
Pencil Cave			1685	1690			
Big Lime			1690	1748 SLM			
Big Injun			1748	1909			
Gantz and Berea Grit			2035	2080			Show gas at 2063'
50-foot Sand			2319				Gas at 2320'-2325' - 44/10 W in 2" Blew down to 38/10 W in 2" in 35 Hrs.
Total Depth				2353			280 mcf 260 mcf

WEST VIRGINIA DEPARTMENT OF MINES

Oil and Gas Section

PRELIMINARY DATA SHEET NO. 1

File No. ^{Mon.} 24

Lease #12134

Well No. 1471

CARNEGIE NATURAL GAS CO. Company, of 962 Friok Bldg. Annex
Pittsburgh, Penna. on the J. N. Kennedy Farm
containing 179 acres. Location
Cass District, in Monongalia County, West Virginia.

The surface of the above tract is owned in fee by J. N. Kennedy, Atty.
of Jere, Monongalia Co., W.Va. address, and the mineral rights are owned by
Gilbert Davis Coal Co. Valley Bank Bldg., Morgantown, W.Va.
Valley Camp Coal Co. of Wheeling, W.Va.

The oil and gas privileges are held under lease by the above named company, and this well is drilled under
permit No. issued by the West Virginia Department of Mines, Oil and Gas Section,
May 9, 1930 19.

Elevation of surface at top of well, 1180.0 ^{SPM} Barometric.

The number of feet of the different sized casings used in the well.

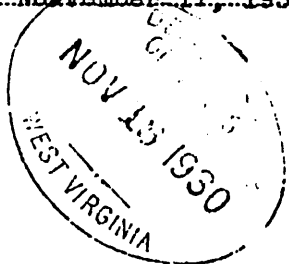
8 feet 13" size. Wood conductor
441 feet 10" size, csg. 2364 feet 3" sized csg. tubing
1252 feet 8 1/4" size, csg. sized csg.
1703 feet 6-5/8" size, csg. sized csg.
Anchor packer of 6-5/8 x 3" size, set at 2071
packer of size, set at
in casing perforated at feet to feet.
in casing perforated at feet to feet.
Coal was encountered at 44 feet; thickness 48 inches, and at 335
feet; thickness 60 inches; and at 425 feet; thickness 72 inches.

Liners were used as follows: (Give details)

November 17, 1930. Date.

Approved CARNEGIE NATURAL GAS COMPANY, Owner.

By (Title) Land Agent



Handwritten initials: E.L.C. 2/10

Handwritten number: 115

COMPLETION DATA SHEET NO. 2

FORMATION RECORD

NAME	COLOR	CHARACTER	OIL, GAS OR WATER	TOP	BOTTOM	THICKNESS	TOTAL DEPTH	REMARKS
		Conductor			8			
		Waynesburg Coal		44	48			Hole fullwater at 44'
		Mapleton Coal		335	340			
		Pittsburgh Coal	S.L.	425	431			
		Little Dunkard		775	795			
		Big Dunkard		865	890			Sand 1000'-1080'
		Gas Sand		1100	1165			
		1st Salt Sand		1240	1275			
		2nd Salt Sand		1315	1475			Water at 1345'
		Maxton Sand			Slate & Shells			
		Little Lime			Slate & Shells			
		Pencil Cave		1685	1690			
		Big Lime		1690	1748			SL 1703
		Big Injun		1748	1909			
		Gantz Sand Berea Grit		2035	2080			Show gas at 2063
		50 Foot Sand		2319				S.L. 2064
								Gas at 2320-2325'
								4 1/2" W in 2"
								Blew down to 38" W. in 35 hrs.

2353

Well was not shot at _____ feet; well was shot at _____ feet.

Salt water at _____ feet; salt water at _____ feet.

Well was producing gas hole.
~~gas~~

November 17, 1930
 Date

Approved CARNegie NATURAL GAS COMPANY
 Owner

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names for which strata that may be common to the district.