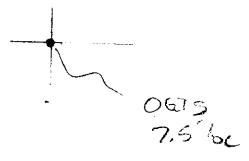


LATITUDE 39°47'30"

100°10'

LONGITUDE



7.5 OGIS topo location

7.5' loc	<u>2.74S</u>	15' loc	<u>5.62 S</u>
	<u>1.83W</u>	(calc.)	<u>1.83W</u>

Company \_\_\_\_\_

Farm \_\_\_\_\_

Quad <sup>7.5'</sup> Blacksville Blacksville, WV

County Monongalia

District Clay

WELL LOCATION MAP

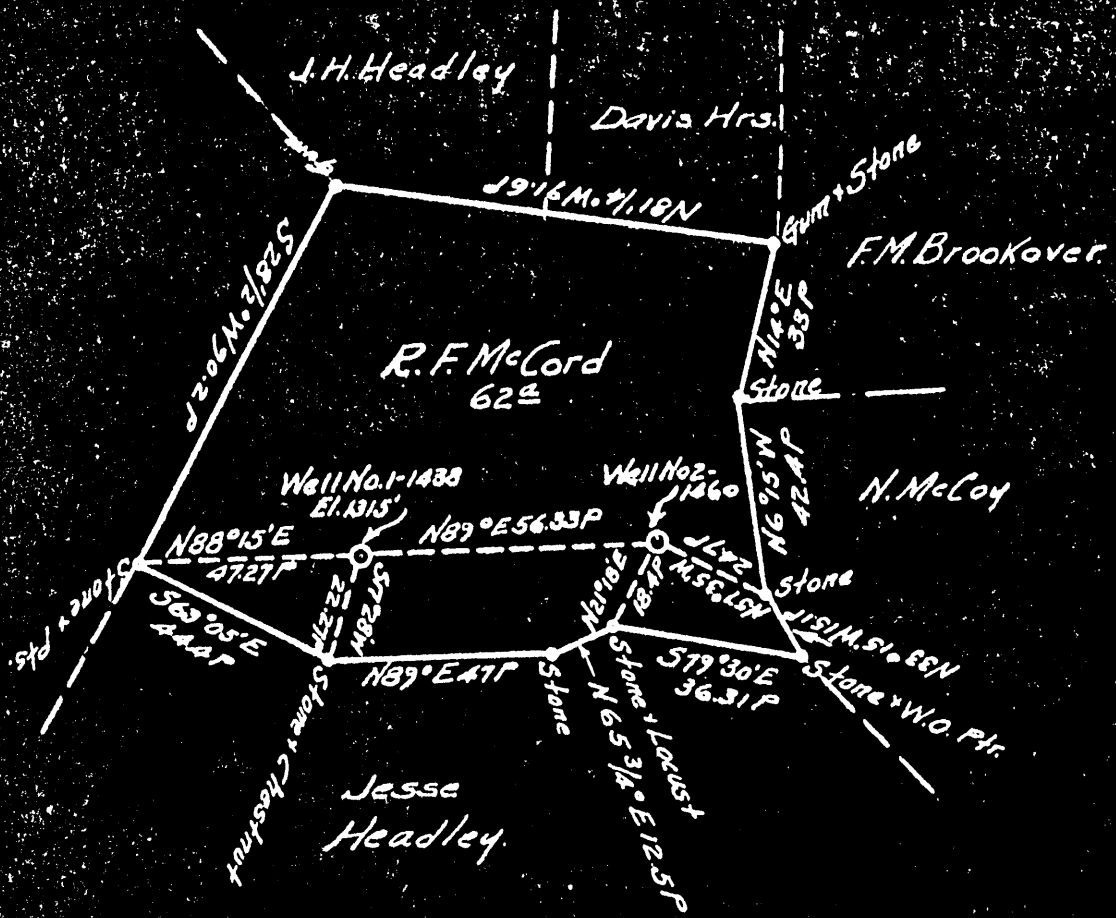
File No. 061-21

< L.O.P

6-6

(066)

Plat of the Proposed Location of Well No. 1460  
 of the CANADIAN NATURAL GAS COMPANY of Pittsburgh,  
 Penna., on the R. F. McCord farm,  
 consisting of 62 Acres, located in  
Cass Dist., Monongalia County,  
 West Virginia. Blacksville Quadrangle.  
10-2-29 Date 1145.5' Elevation 1"=400' Scale.



ENGINEER'S CERTIFICATE

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.

*[Signature]* Engineer.

State of Pennsylvania } R.S.  
 County of Allegheny

Acknowledged before me a Notary Public this 9th day of December 1929.

*[Signature]*

WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS SECTION

PRELIMINARY DATA SHEET NO. 1

File No. 21

Lease #12046

Well No. 1460

CARNEGIE NATURAL GAS Company, of 962 Frick Building Annex  
Pittsburgh, Penna. on the R. F. McCord Farm  
containing 62 acres. Location \_\_\_\_\_  
Mannington District, in Marion County, W. Va.

The surface of the above tract is owned in fee by \_\_\_\_\_  
R. F. McCord, et.al. of R.D.#2, Fairview, West Va. address, and the  
mineral rights are owned by Jennie E. South of Waynesburg, Pa.

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,  
January 20, 1930 ~~1930~~.

Elevation of surface at top of well, 1145<sup>5</sup> ~~Spirit~~ Barometric.

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

16 feet 13" size. Wood conductor.,  
799 feet 10" size, csg. 2011 feet 5-3/16" sized csg.  
1600 feet 8 1/4" size, csg. \_\_\_\_\_ feet \_\_\_\_\_ sized csg.  
1834 feet 6-5/8" size, csg. \_\_\_\_\_ feet \_\_\_\_\_ sized csg.

\_\_\_\_\_ packer of \_\_\_\_\_ size, set at \_\_\_\_\_  
\_\_\_\_\_ packer of \_\_\_\_\_ size, set at \_\_\_\_\_  
\_\_\_\_\_ in. casing perforated at \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
\_\_\_\_\_ in. casing perforated at \_\_\_\_\_ feet to \_\_\_\_\_ feet.

Coal was encountered at 385 feet; thickness 60 inches, and at  
752 feet; thickness 84 inches; and at \_\_\_\_\_ feet;  
thickness \_\_\_\_\_ inches.

Liners were used as follows: (Give details) \_\_\_\_\_

216  
2-7-30

Sept 5 1930  
Date.  
SEP 6 1930  
WEST VIRGINIA

Approved CARNEGIE NATURAL GAS COMPANY Owner.  
By [Signature] Land Agent

COMPLETION DATA SHEET NO. 2

FORMATION RECORD

R.F. McCord Well #1460

Clay Dist., Monongalia Co., W.Va.

NAME	COLOR	CHARACTER	OIL, GAS OR WATER	TOP	BOTTOM	THICKNESS	TOTAL DEPTH	REMARKS
Conductor					16	5 bailers water at 760'		pr. hr.
Mapleton Coal				385	390	Bluff Sand	323-378'	
Pittsburgh Coal				752	760	Murphy Sand	940-954-S.L.	
Little Dunkard				1130	1140	Sand	1185-1225'	
Big Dunkard				1270	1315			
Gas Sand				1460	1475			
1st Salt Sand				1510	1558			
2nd Salt Sand				1595	1795	Hole full water	at 1645'	
Maxton Sand				1927	1947			
Little Lime				1975	1988			
Pencil Cave				1988	2007			
Big Lime				2007	2065			
Big Injun				2065	2262	2 1/2 vailers water	per 24 hrs	
Gantz Sand				2560	2570	at 2154'	Scum oil on water	
50 Foot Sand				2640	2680	S.L. Show gas	2620'	
30 Foot Sand				2696	2807		Exhausted.	
Gordon Stray				2850	2865			
Gordon Sand				2900	2928			
4th Sand				2989	3012			
5th Sand				3045	3065	Sand -	3102-3114'	
Bayard Sand				3184	3198	Gas at	3187-89	
							10/10 W. in 1"	33 mcs
							3214	

Well was not shot at \_\_\_\_\_ feet; well was shot at \_\_\_\_\_ feet.

Salt Fresh water at \_\_\_\_\_ feet; salt fresh water at \_\_\_\_\_ feet.

Well was \_\_\_\_\_ producing Gas hole.  
dry

September 5, 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.