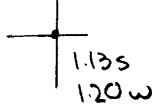


Latitude



Longitude

Topo Location

7.5' Loc. _____ 15' Loc. _____
 _____ (calc.) _____

Company Carnegie Nat Gas

Farm J H Mackey # 720

15' Quad _____
(sec.)

7.5' Quad Cameron

District Liberty

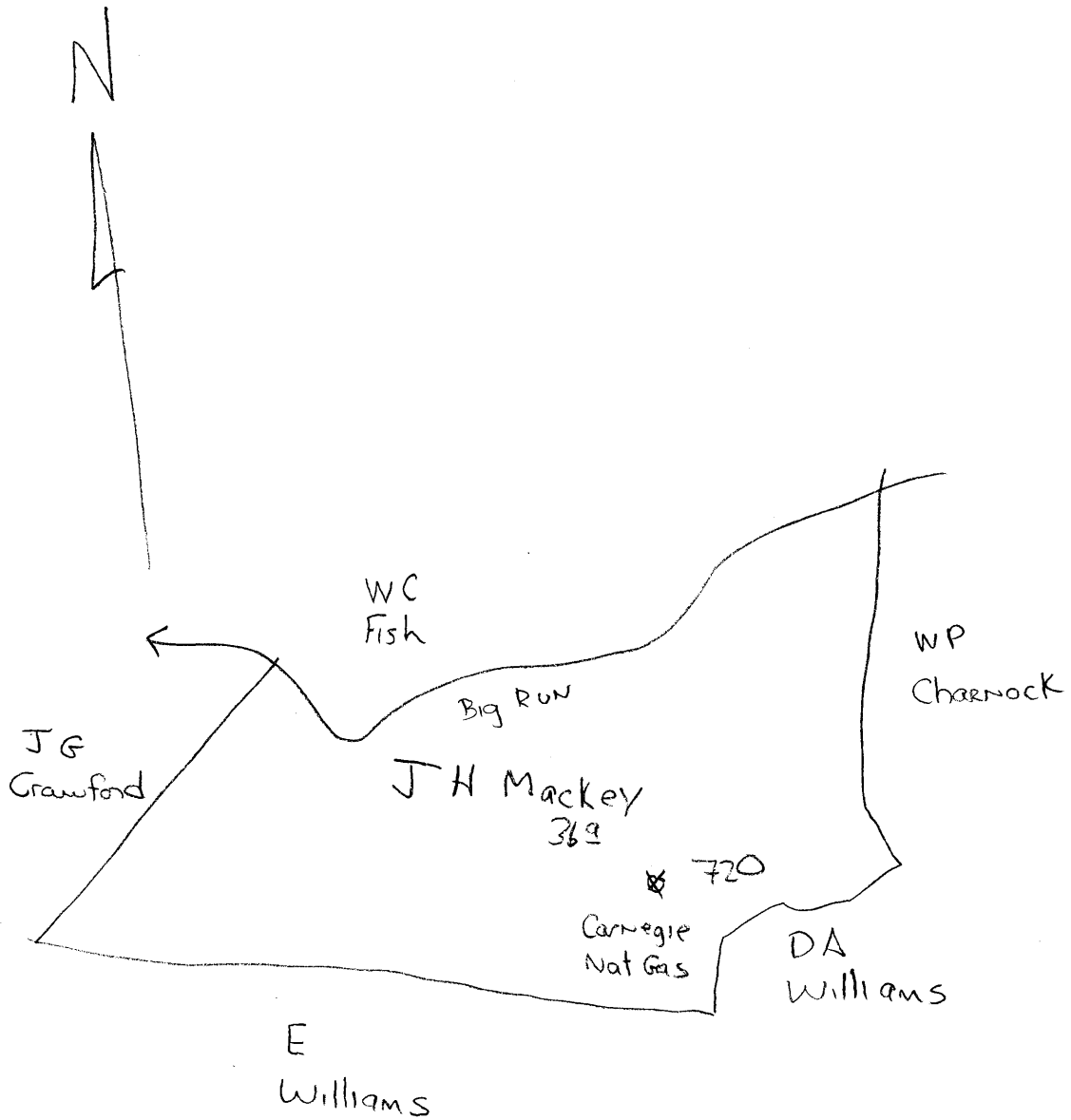
WELL LOCATION PLAT

County 051 Permit 30030

Liberty dist

Plugging Affidavit

Feb 2, 1934



Marsh 30A

Liberty District, Marshall County, W. Va.
 Carnegie Natural Gas Co.; 962 Frick Bldg. Annex, Pittsburgh, Pa.
 On 50 acres, surface and mineral rights owned by Flora Mackey,
 Woodruff, W. Va.

Completed May 11, 1917.

Elevation, 1170' B.

10" casing, 230'; 8 1/2", 1240'; 6-5/8", 1970'.

Coal was encountered at 560-564, 750-756, and 846-854'.

Abandonment reported to Dept. of Mines Nov. 9, 1933.

Well was not shot.

Gas well.

	Top.	Bottom.
Conductor	0	16
Waynesburg Coal (water at 150') (also in Waynesburg Coal)	560	564
Mapletown Coal	750	756
Pittsburgh Coal	846	854
Murphy Sand	950	1015
Marton Sand (slate break, 1918-1930')	1900	1943
Pencil Gave	1943	1962
Big Injun Sand (3,450,000 cu. ft. gas at 1970-1977')	1962	2251
Gordon Stray Sand	2791	2806
Gordon Sand (gas, 2843-2849')	2840	2852
4th Sand	2900	2914
Total depth		3076

MARS-30-A

Liberty District, Marshall County, W. Va.

By Carnegie Natural Gas Co.

Cameron SE Quadrangle.

On 50 acres; lease No. 9803.

Drilling commenced April 13, 1917; completed, May 11, 1917 (to 1978').

Drilled deeper from 1978' to 2852', Jan. 16, 1919.

Drilled deeper from 2852' to 3076', Oct. 20, 1933.

Elevation, 1170'.

3,450,000 cu. ft. gas at 1970-77' (Big Injun Sand); R.P. 440# in 1 hr.

3,200,000 cu. ft. gas at 2843-49' (Gordon Sand); R. P. 365#.

No gas on last deepening.

Abandoned Feb. 2, 1934.

Record from Wilcox 10-15-39.

	Top.	Bottom.
(Water at 150')		
Waynesburg Coal (water)	560 -	564
Mapletown (Sewickley) Coal	750 -	756
Pittsburgh Coal	846 -	854
Murphy Sand (MINSHALL)	950 -	1015
Maxton Sand (slate break, 1918-30')	1900 -	1943
Pencil Cave	1943 -	1962
Big Lime		None
Big Injun Sand (3,450,000 cu. ft. gas at 1970-77'; 440# R. P. in 1 hr.)	1962 -	2251
DRILLED DEEPER from 1978' 1-16-19:		
Gordon Stray Sand	2791 -	2806
Gordon Sand (gas, 2843-49'; 3,200,000 cu. ft.; 365# R. P.)	2840 -	2852
4th Sand	2900 -	2914
DRILLED DEEPER from 2852', 10-20-33:		
5th Sand		Shells
Bayard Sand		Shells
(No gas in last deeper drilling)		
Total depth		3076