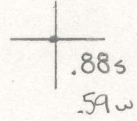


Latitude



Longitude

Topo Location

7.5' Loc. \_\_\_\_\_ 15' Loc. \_\_\_\_\_  
 \_\_\_\_\_ (calc.) \_\_\_\_\_

Company \_\_\_\_\_

Farm \_\_\_\_\_

15' Quad \_\_\_\_\_  
(sec.)

7.5' Quad Grant Town

District Paw Paw

WELL LOCATION PLAT

County 049 Permit 30068



HOPE NATURAL GAS CO.  
 J. N. MICHAEL  
 PAW PAW

Charlestown, W. Va., on the  
 Farm consisting of 75 Acres  
 District MARION County, W. Va.



- LEGEND
- Location
  - Oil Well
  - ⊙ Aband
  - ⊛ Gas Well
  - ⊙ Aband
  - ⊕ Dry Hole
- Field Book No 536739  
 Scale 1" = 400'  
 Sept 23, 1932

*Mar-68-A*

ENGINEERS 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.

*Alpheus Fluharty*



Paw Paw District, Marion County, W. Va.  
 By Hope Natural Gas Co., 445 W. Main St., Clarksburg, W. Va.  
 On 75 acres, surface owned by J. N. Michael, Grant Town, W. Va.,  
 and mineral rights by J. N. Michael and New England Fuel &  
 Transportation Co., Grant Town, W. Va.

Elevation, 1246' L.  
 10" casing, 626'; 6-5/8", 1825'; 5-3/16", 2772'.  
 Coal, was encountered at 103-105 and 556-564'.  
 Abandonment reported to Dept. of Mines Sept. 15, 1932.  
 Well was shot at 2930-2939'.  
 Fresh water at 130'; salt water at 1494'.  
 Gas well; now exhausted to extent that it is not commercially  
 productive.

MAR-68-A

	Top.	Bottom.	Thickness.
Native coal (water, 103')	103	- 105	2
Pittsburgh Coal	556	- 564	8
Little Dunkard Sand	990	- 1025	35
Big Dunkard Sand	1095	- 1144	49
Gas Sand	1240	- 1304	64
First Salt Sand	1383	- 1453	70
Second Salt Sand (water, 1494')	1488	- 1615	127
Little Lime	1797	- 1807	10
Pencil Cave	1807	- 1810	3
Big Lime (show gas, 1893')	1810	- 1880	70
Big Injun Sand	1880	- 1990	110
Gantz Sand (gas, 2393')	2390	- 2433	43
Fifty-foot Sand	2445	- 2523	78
Thirty-foot Sand	2578	- 2610	32
Gordon Stray Sand	2729	- 2742	13
Gordon Sand	2770	- 2810	40
Fourth Sand	2835	- 2853	18
Fifth Sand (gas, 2935')	2900	- 2943	43
Total depth			3055