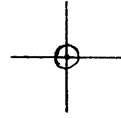


LATITUDE 39° 30' 00"

88° 32' 30"

LONGITUDE



7'5 OGIS topo location

7.5' LOC 1.99 S 15' LOC _____
' 0.93 W (calc.) _____

Company _____

Farm _____

Quad FOLSOM 7 1/2'

County WETZEL

District GRANT

WELL LOCATION MAP

File No. 103-0660

(101)

Hope Natural Gas Co.

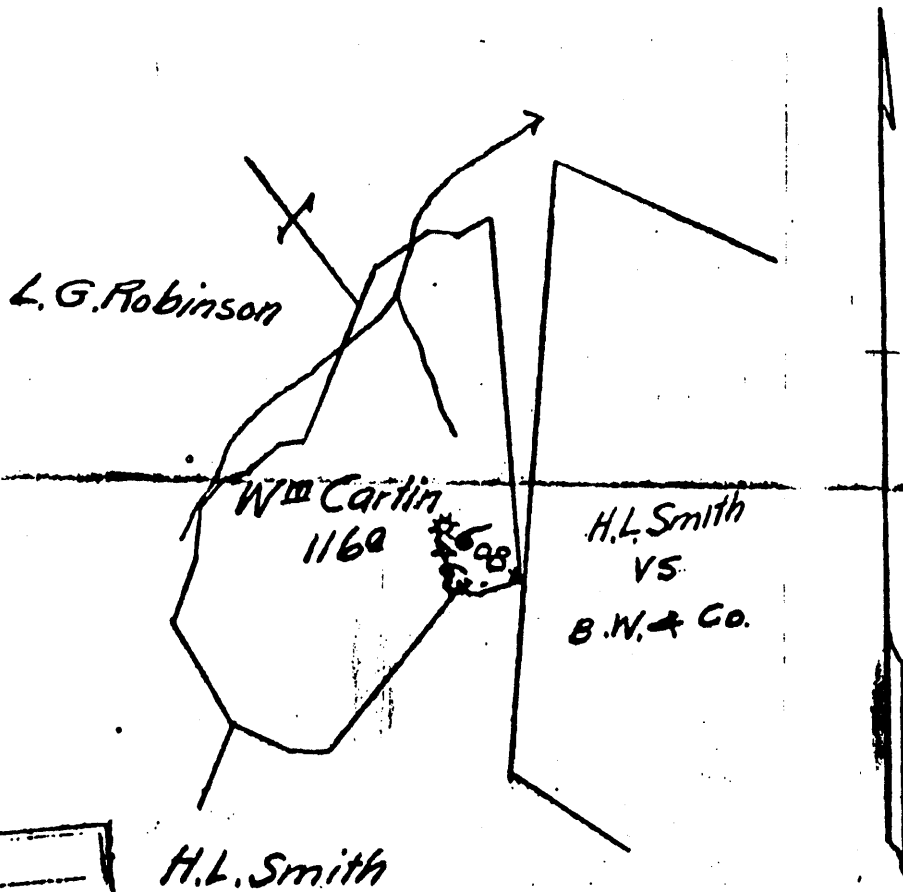
LOCATION FOR WELL No. 180

Wetzel DISTRICT.

On E.W. Carlin Farm, on waters of Morgan Run
Grant District, Wetzel County, West Virginia.

Lease No. — Acres — Range: N. 2 S. E. 4 W.

Scale 1" = 80 poles Made Sept 16 1908



ENTERED
WELL BOOK
LEASE RECORD
LEASE DOCKET
WALL MAP
WORKING MAP
LOCATION BOOK

LOCATION MADE	<u>Sept 16</u>	<u>1908</u>
BY	<u>Richard Scott</u>	
As per plat. Except as noted		
On Field Map	<u>19</u>	
Returned to Pittsburg	<u>19</u>	

ENTERED	
LINE MAP	
<u>2-28</u>	<u>1908</u>
BY	<u>ES</u>

103-0660

RESERVE:

SPECIAL INSTRUCTIONS:

WPA No. 2 \$180
 District 189
 County Wyo
 Reg. No. 189
 Drilling Commenced July 13 1897
 Drilling Completed July 1 1897
 Operator Ed. S. Moore
 Contractor Ed. S. Moore

WPA No. 2
 District 189
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FORMATION	TOP	REMARKS	BOTTOM
Cottonwood Shale Sandy Shale Sandstone Joints	3580	Cottonwood Shale	3085
	3143		3151
	3173		3167
			3192

FORMATION	TOP	BOTTOM
10" Sandstone	811	1589
	658	2216
Cottonwood Shale	1055	1060
	1550	1600
Shale	1950	1900
	2285	5040
Sandy Shale	2290	2290
	2350	2350
Sandy Shale	2442	2580

103-660