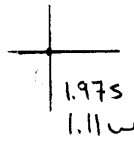


LATITUDE

39° 45' 00"

80° 47' 30"

LONGITUDE



7'5 OGIS topo location

| | | | |
|----------|--------------|---------|-------------|
| 7.5' loc | <u>2.025</u> | 15' loc | <u>2.02</u> |
| | <u>1.12W</u> | (calc.) | <u>3.34</u> |

Company Graham

Farm J. E. Daugherty

Quad New Martinsville 7.5' N Atlas NE

County Marshall (plots in Wetzel Co.)

District Franklin

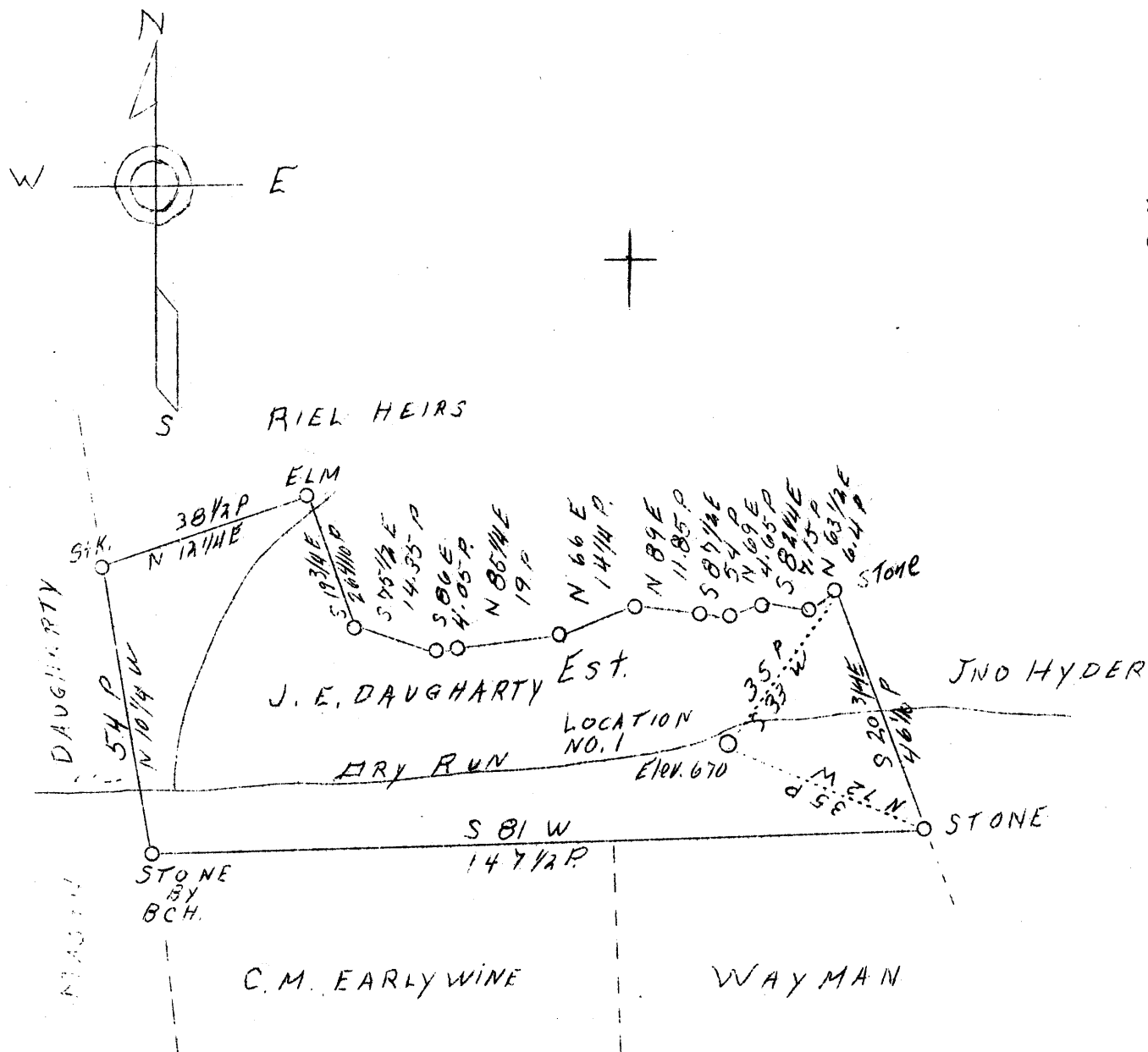
WELL LOCATION MAP

File No. 051-96

LOP

LATITUDE 39° 45'

LONGITUDE 80° 45'



3.42 W
2.06 S

Revised location

| | |
|-----------------|------------------------|
| Company | Graham Bros. |
| Address | Follansbee, W. Va. |
| Farm | J. E. Daugherty Est. |
| Tract | One |
| Acres | 41-35/100 |
| Well (Farm) No. | One |
| Elevation (SP) | 670' |
| Quadrangle | New Martinsville N. E. |
| County | Marshall |
| District | Franklin |
| Engineer | F. W. Parsons |
| Eng. Reg. No. | 203 |
| File No. | W |
| Date | Oct. 28, 1938 |
| Scale | 1" = 30 poles |

STATE OF WEST VIRGINIA
Department of Mines
OIL & GAS DIVISION
Charleston

WELL LOCATION MAP

File No. Mars-96

x Denotes location of well on U. S. Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing,

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

2 copies

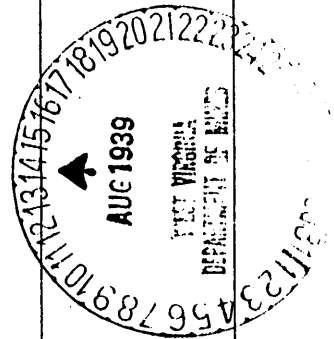
WELL RECORD

Permit No. MARS-96-R

Oil or Gas Well
(Kind)

| | | | | |
|--|---|--|---|----------------|
| Company <u>Graham Bros</u> | Casing and Tubing | Used in Drilling | Left in Well | Packers |
| Address <u>Collinsville W. Va.</u> | Size | | | |
| Farm <u>J. E. Daugherty heirs Acres. 41 ³⁵/₁₀₀</u> | 16 | | | Kind of Packer |
| Location (waters) <u>137 feet</u> | 13 | | | Size of |
| Well No. <u>None</u> Elev. <u>646 ⁵/₁₀</u> | 10 | | | Depth set |
| District <u>Franklin</u> County <u>Marshall</u> | 8 1/4 | <u>37'</u> | | |
| The surface of tract is owned in fee by <u>J. E. Daugherty heirs</u> | 6 5/8 | <u>262'</u> | | |
| Address <u>Proctor, W. Va.</u> | 5 3/16 | <u>511'</u> | | |
| Mineral rights are owned by <u>J. E. Daugherty heirs</u> | 3 | <u>None</u> | | Perf. top |
| Address <u>Proctor, W. Va.</u> | 2 | | | Perf. bottom |
| Drilling commenced <u>November 15 1938</u> | Liners Used | | | Perf. top |
| Drilling completed <u>Not Completed</u> | | | | Perf. bottom |
| Date shot <u>None</u> Depth of shot <u>None</u> | | | | |
| Open Flow /10ths Water in <u>no</u> Inch | | | | |
| /10ths Merc. in <u>no</u> Inch | | | | |
| Volume <u>none</u> Cu. Ft. | CASING CEMENTED | SIZE <input checked="" type="checkbox"/> | No. Ft. <input checked="" type="checkbox"/> | Date |
| Rock Pressure <u>none</u> lbs. hrs. | | | | |
| Oil <u>none</u> bbls., 1st 24 hrs. | COAL WAS ENCOUNTERED AT <u>185</u> FEET | | | |
| Fresh water <u>37</u> feet | | | | |
| Salt water <u>none</u> feet | | | | |

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-------------------|-------|--------------|-----|--------|-------------------|-------------|-------------|
| Shale | | Soft | 1 | 37 | Water | 37 | |
| Lime | White | Hard | 37 | 62 | | | |
| Sandy Shale | Brown | Hard | 62 | 115 | | | |
| Lime | White | Hard | 115 | 175 | | | |
| (Coal Maple Town) | Black | Soft | 175 | 178 | | | |
| Lime | White | Hard | 178 | 191 | | | |
| Slate | Gray | Soft | 191 | 246 | | | |
| Lime | White | Hard | 246 | 261 | | | |
| Coal (Blason) | Black | Soft | 261 | 262 | | | |
| Lime | White | Hard | 262 | 281 | | | |
| Sand | Brown | Soft | 281 | 301 | | | |
| Lime | White | Hard | 301 | 321 | | | |
| Shells | Brown | Hard | 321 | 370 | | | |
| Red Rock | Red | Soft | 370 | 380 | | | |
| Slate | Gray | Soft | 380 | 400 | | | |
| Red Rock | Red | Soft | 400 | 440 | | | |
| Slate | White | Soft | 440 | 465 | | | |
| Red Rock | Red | Soft | 465 | 500 | | | |
| Slate | Black | Soft | 500 | 511 | | | |
| House rock sand | Brown | Hard | 511 | 568 | | | Broken Sand |



THIS WELL NOT COMPLETED