

New Location
 Drill Deeper
 Abandonment

Company F. S. DEEM
 Address HARRISVILLE, W.VA.
 Farm EVERETT GAINER
 Tract _____ Acres 82 Lease No. _____
 Well (Farm) No. 1 & 5 Serial No. _____
 Elevation (Spirit Level) 960.2 & 885.4
 Quadrangle ARNOLDSBURG
 County CALHOUN District CENTER
 Engineer B. F. RINEHART
 Engineer's Registration No. 648
 File No. _____ Drawing No. 673-CG
 Date Apr. 23, 1948 Scale 1 in. = 400 ft.

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. CAL-230-A-#1
CAL-231-A-#5

+ Denotes location of well on United States 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

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WELL RECORD

Permit No. 231-A

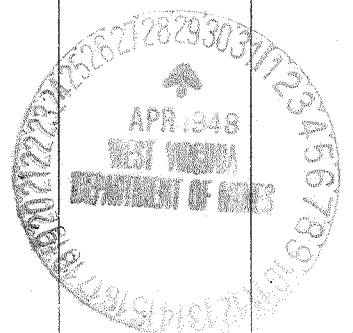
Oil or Gas Well Oil
(Kind)

Company F.S. Deem
 Address Harrisville, W. Va.
 Farm Everett Gainer Acres 83
 Location (waters) Fee Run
 Well No. 5 Elev. 885.4
 District Center County Calhoun
 The surface of tract is owned in fee by Everett Gainer
 Address Hur, W. Va.
 Mineral rights are owned by same
 Address _____
 Drilling commenced _____
 Drilling completed _____
 Date shot 7-22-15 Depth of shot 2311
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|----------------|
| Size | | | Kind of Packer |
| 16 | | | |
| 13 | | | |
| 10 | 161 | | Size of |
| 8 1/4 | 983 | | |
| 6 5/8 | 1853 | 1853 | Depth set |
| 5 3/16 | | | |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-------------|-------|--------------|------|--------|-------------------|-------------|---------|
| Big Lime | | | 1799 | 1905 | | | |
| Pencil Cave | | | 1793 | 1799 | | | |
| Big Injun | | | 1905 | 1960 | | | |
| Berea | | | 2292 | 2323 | Oil & Gas | 2311-2321 | |
| Total Depth | | | | 2323 | | | |



JUL 23 1948

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-----------|-------|--------------|-----|--------|-------------------|-------------|---------|
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Date Apr. 27 1948
APPROVED F. S. Deem, Owner
By B. F. Rumbaut, Engr.
(Title)