



- New Location
- Drill Deeper
- Abandonment

Company LIBERTY OIL & GAS

Address HURRICANE, W. VA

Farm A: FRED T. MILLER & MARTHA

Tract 1 Acres 296.69** Lease No One

Well (Farm) No. 1 Serial No _____

Elevation (Spirit Level) 688.5

Quadrangle ST ALBANS NC

County PUTNAM District SCOTT

Engineer C. C. Lovett

Engineer's Registration No 137

File No _____ Drawing No _____

Date May 4th 1943 Scale 1" = 400 feet

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

WELL LOCATION MAP
 FILE NO. PUT-236-D

+ 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.

Not in Vol. XVI 6-6-φ 6-6-D 212 Deep Well V

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
WELL RECORD

Gas Well
CASING & TUBING

| | | |
|--------------------|-----------------------------------|---------------------|
| Permit No. Put 236 | Liberty Oil & Gas Co. | |
| St. Albans Quad. | 702 Penna Ave., Charleston, W.Va. | 10 20 --- |
| Company | A.J. Miller | 5 3/16 1730 1730 |
| Address | Acres | |
| Farm | Bills Creek | |
| Location | 1 Elev. --- | Casing not cemented |
| Well No. | Curry Putnam County | |
| District | A.T. Miller, Madison, W.Va. | No Coal |
| Surface | Same | |
| Mineral | June 1, 1943 | |
| Commenced | Aug. 1944 | |
| Completed | Aug. 15, 1944 Depth 2127 to 2159 | |
| Date shot | with Detonite | |
| Volume | 98,000 C.F. | |
| Rock Pressure | 575 lbs. 2 hrs. | |
| No oil | | |
| Fresh Water | 200° | |
| Salt Water | 1100° | |

| | | |
|--------------------------|------|------|
| Dirt | 0 | 20 |
| Dirt and Slate | 20 | 150 |
| ✓ Fresh Water | 150 | 250 |
| Slate | 250 | 500 |
| Sand & Slate | 500 | 600 |
| Sand | 600 | 650 |
| Slate & Sand | 650 | 825 |
| Slate | 825 | 900 |
| Slate & Shell | 900 | 950 |
| Slate | 950 | 1000 |
| ✓ Gas Sand | 1000 | 1050 |
| ✓ Salt Sand | 1050 | 1100 |
| ✓ Salt Sand | 1100 | 1475 |
| ✓ Pencil Cave | 1475 | 1484 |
| ✓ Little Lime | 1484 | 1500 |
| ✓ Big Lime | 1500 | 1510 |
| Bottom Lime } 340 | 1510 | 1670 |
| Slate | 1670 | 1680 |
| ✓ Big Injun | 1680 | 1730 |
| Lime Shells | 1730 | 1900 |
| Slate & Shells | 1900 | 2080 |
| Shells | 2080 | 2110 |
| ✓ Slate & Coffee Shale | 2110 | 2127 |
| ✓ Berea Grit | 2159 | 2170 |
| <i>Slate & Shell</i> | | |

(410)

2127-2159
2159-2169





STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle St. Albans
Permit No. Put-236-D

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company V. C. Smith II
Address Charleston, West Virginia
Farm J. W. Allison Acres 297
Location (waters) Bills Creek
Well No. 1 Elev. 688.5
District Scott County Putnam
The surface of tract is owned in fee by J. W. Allison
Address _____
Mineral rights are owned by Same
Address _____
Drilling commenced May 10, 1956
Drilling completed July 18, 1956
Date Shot 6/27/56 From 4400 To 4510
With 500# TX and 100# 80% Gel.
Open Flow 4 /10ths Water in 1 B.S. _____ Inch
14 /10ths Water in 2 A.S. (24 hrs) inch
Volume 158,000 Cu. Ft.
Rock Pressure Not taken lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|---|
| Size | | | |
| 16 | | | Kind of Packer <u>Parmco</u> |
| 18 | | | <u>Hook Wall</u> |
| 10 | | | Size of <u>2 X 5 1/2</u> |
| 8 1/4 | | | |
| 6 3/4 | | | Depth set <u>1720</u> |
| 5 3/16 | <u>1730</u> | <u>1730</u> | |
| 8 | | | <u>2" Casing</u> Perf. top <u>2158</u> |
| 2 | <u>2168</u> | <u>2168</u> | 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

RESULT AFTER TREATMENT _____
ROCK PRESSURE AFTER TREATMENT _____
Fresh Water _____ Feet Salt Water _____ Feet

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|--------------------------------|-----------------|--------------|------|--------|-------------------|-----------|---------|
| Slate & Shell | | | 2164 | 3367 | | 4450 | |
| Brown Slab - ⁸¹⁵ | | | 3367 | 3419 | 4363 | 689 | |
| Shell | | | 3419 | 3524 | 689 | | |
| Slate | White | | 3524 | 3567 | 3674 | 3761 | |
| Brown Shale | | | 3567 | 3682 | | | |
| Slate & Shell | | | 3682 | 3707 | | | |
| Brown Shale | | | 3707 | 3806 | | | |
| Slate & Shell - ⁸¹⁶ | | | 3806 | 4206 | | | |
| Brown Shale - ⁸³⁰ | | | 4206 | 4363 | | | |
| Lime | Grey - Onondaga | | 4363 | 4450 | | | |
| Sandy lime | Grey ? | | 4450 | 4479 | Gas | 4454 4457 | |
| Sandy lime | Dark ? | | 4479 | 4510 | | | |
| f. Depth | | | 4510 | 4510 | | | |
| | | | | 475 | | | |

