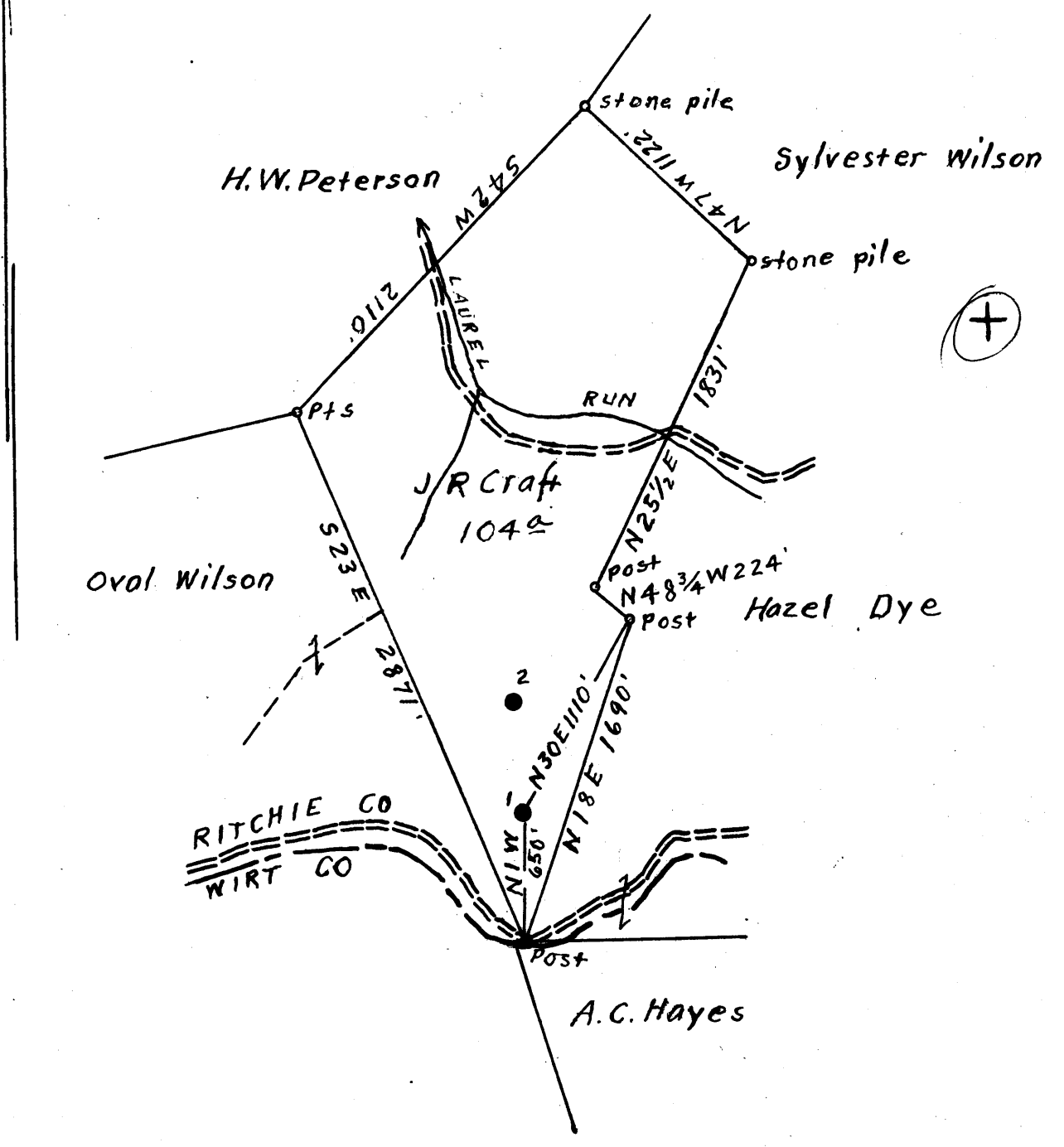


Latitude 39° 05'

Longitude 81° 10'



Surface owned by Hazel Dye, Brohard, W. Va.

No Coal.

0.88 W
3.02

New Location...
Drill Deeper...
Abandonment...

JUL 30 1961

On 800' Map No. 13. Sqs. 528 W 31

Company P. & J. Development Co., Inc.
 Address Hamlin, W. Va.
 Farm J. R. Craft
 Tract _____ Acres 104 Lease No. 52227
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 985.
 Quadrangle Harrisville
 County Ritchie District Murphy
 Engineer Elsworth Staines
 Engineer's Registration No. 2221.
 File No. _____ Drawing No. _____
 Date June 28th, 1961. Scale 1" = 800 Feet

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

WELL LOCATION MAP
FILE NO. Rit-1334-A

+ 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

277
1180

Harrisville

Quadrangle _____

Permit No. 1334 A

WELL RECORD

Oil or Gas Well Oil
(KIND)

Company South Penn Oil Co.
Address Parkersburg, W. Va.
Farm J. R. Craft Acres 10 1/4
Location (waters) Laurel Run
Well No. 1 Elev. 985
District Murphy County Ritchie
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 9/18/15
Drilling completed 10/12/15
Date Shot 10/14/15 From 1760 To 1775
With 60 qts.
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ 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 _____ |
| 13 | | | <u>Disc. Wall</u> |
| 10 | <u>210'</u> | <u>None</u> | Size of <u>5-3/16" x</u> |
| 8 1/4 | <u>1028'</u> | <u>None</u> | <u>6-5/8" x 16'</u> |
| 6 5/8 | <u>1535'</u> | <u>1535'</u> | Depth set <u>616'</u> |
| 5 3/16 | | | |
| 3 | | | Perf. top _____ |
| 2 | <u>1760'</u> | <u>1760'</u> | Perf. bottom _____ |
| Liners Used <u>5"</u> | <u>616'</u> | <u>616'</u> | 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 |
|-----------------|-------|--------------|-------------|-------------|-------------------|--------------|------------|
| Steel conductor | | | | <u>16</u> | | | |
| Conchoidal Rock | | | <u>1015</u> | <u>1025</u> | | | |
| and | | | <u>1025</u> | <u>1075</u> | | | |
| Black Slate | | | <u>1075</u> | <u>1190</u> | | | |
| White Slate | | | <u>1190</u> | <u>1250</u> | | | |
| and | | | <u>1250</u> | <u>1378</u> | | | |
| Black Slate | | | <u>1378</u> | <u>1527</u> | | | |
| Gas Sand | | | <u>1527</u> | <u>1665</u> | | | |
| Rock | | | <u>1665</u> | <u>1716</u> | | | |
| Salt Sand | | | <u>1716</u> | <u>1775</u> | <u>oil</u> | <u>1720'</u> | <u>SLM</u> |
| Salt Sand | | | <u>1760</u> | <u>1775</u> | | <u>1765'</u> | <u>SLM</u> |
| Total depth | | | | <u>1798</u> | | | |

