



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

1667

Imp.

WELL RECORD

Permit No. KAU-922-A Oil or Gas Well _____ (KIND)

Company The Preston Oil Company
 Address 1110 E. Washington St. Charleston
 Farm Imperial Coal Company Acres _____
 Location (waters) _____
 Well No. 937 Elev. _____
 District Cabin Creek County Kanawha
 The surface of tract is owned in fee by Imperial Coal Co.
 Address Box 601 Charleston
 Mineral rights are owned by _____
 Address _____
 Drilling commenced May 21, 1917
 Drilling completed May 16, 1918
 Date Shot 5-27-18 From 3140 To 3166
 With 60 quarts

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|----------------|
| Size | | | Kind of Packer |
| 16 | | | |
| 13 | | | |
| 10 | 650 | 650 | Size of |
| 8 1/4 | 1858 | 1858 | |
| 6 5/8 | 2477 | 2477 | Depth set |
| 5 3/16 | 2813 | 2813 | |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

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 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 |
|------------------|-------|--------------|------|--------|-------------------|-------------|---------|
| Sand | | | 13 | 185 | | | |
| Coal | | | 185 | 190 | | | |
| Slate & Shells | | | 190 | 290 | | | |
| Sand | | | 290 | 335 | | | |
| Black Lime | | | 355 | 375 | | | |
| Coal | | | 375 | 380 | | | |
| Slate | | | 380 | 440 | | | |
| Lime | | | 440 | 490 | | | |
| Sand | | | 490 | 525 | | | |
| Lime | | | 525 | 595 | | | |
| Coal | | | 595 | 600 | | | |
| Sand | | | 600 | 900 | | | |
| Lime & Sand | | | 900 | 1340 | | | |
| Grampus | | | 1340 | 1510 | | | |
| Slate | | | 1510 | 1555 | | | |
| Salt Sand | | | 1555 | 1830 | | | |
| Lime | | | 1830 | 1880 | | | |
| Slate & Red Rock | | | 1880 | 2248 | | | |
| Maxon Sand | | | 2248 | 2375 | | | |
| Lime | | | 2375 | 2405 | | | |
| Slate | | | 2405 | 2423 | | | |
| Little Lime | | | 2423 | 2453 | | | |
| Pencil Cave | | | 2453 | 2463 | | | |
| Big Lime | | | 2463 | 2677 | | | |
| Injun Sand | | | 2677 | 2727 | | | |
| Slate & Shells | | | 2727 | 2813 | | | |
| Weir Sand | | | 2813 | 2873 | | | |
| Slate & Shells | | | 2873 | 3129 | | | |
| Berea Sand | | | 3129 | 3162 | | | |
| TOTAL DEPTH | | | | 3163 | | | |

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IMPERIAL COAL CO. NO. 15 (937) WELL.

922A

Cabin Creek District, Kanawha County, W. Va.

By United Fuel Gas Co., Charleston, W. Va.

Drilling contractor: United Fuel Drilling Dept., Charleston, W. Va.

Commenced May 21, 1917; completed May 16, 1918.

Drillers: C. E. Murry, C. M. Goodwell.

10" casing, 650'; 8 $\frac{1}{2}$ ", 1858'; 6 $\frac{3}{8}$ ", 2477'; 5 $\frac{3}{16}$ ", 2813'; all left in.

Oil, pumped, Est. 50 bbls., 1st 24 hrs.

| | Top. | Bottom. | Thickness. |
|----------------------------------|------|---------|------------|
| Sand | 13 | - 185 | 172 |
| Coal | 185 | - 190 | 5 |
| Slate and shells | 190 | - 290 | 100 |
| Sand | 290 | - 335 | 45 |
| Black lime | 335 | - 375 | 40 |
| Coal | 375 | - 380 | 5 |
| Slate | 380 | - 440 | 60 |
| Lime | 440 | - 490 | 50 |
| Sand | 490 | - 525 | 35 |
| Lime | 525 | - 595 | 70 |
| Coal | 595 | - 600 | 5 |
| Sand | 600 | - 900 | 300 |
| Lime and sand | 900 | - 1340 | 440 |
| Grampus Sand | 1340 | - 1510 | 170 |
| Slate | 1510 | - 1555 | 45 |
| Salt Sand | 1555 | - 1830 | 285 |
| Lime | 1830 | - 1880 | 50 |
| Slate and red rock | 1880 | - 2248 | 368 |
| Maxton Sand | 2248 | - 2375 | 127 |
| Lime | 2375 | - 2405 | 30 |
| Slate | 2405 | - 2423 | 18 |
| Little Lime | 2423 | - 2453 | 30 |
| Pencil Cave | 2453 | - 2463 | 10 |
| Big Lime | 2463 | - 2677 | 214 |
| Big Injun Sand | 2677 | - 2727 | 57 |
| Slate and shells | 2727 | - 2813 | 86 |
| Weir Sand (show of gas at 2843') | 2813 | - 2873 | 60 |
| Slate and shells | 2873 | - 3129 | 256 |
| Berea Sand | 3219 | - 3162 | 33 |
| Total depth | | 3163 | |

Revised record:

| | | | |
|----------------------------------|------|--------|----|
| Top Big Lime | 2463 | | |
| Berea Sand (oil pay, 3150-3162') | 3129 | - 3162 | 33 |
| Total depth | | 3163 | |

KAN-922-A

WELL RECORD

984

UNITED FUEL GAS

COMPANY

SERIAL WELL NO. 15

MAP SQUARE

NAME Imperial Coal Company

WELL NO. 937 LEASE NO. _____ ACRES _____

TOWNSHIP OR DISTRICT Cabin Creek

COUNTY Kanawha

FIELD Cabin Creek

STATE W. Va.

RIG _____ Building Cost _____

Contractor _____

Commenced _____ 19____, Completed _____ 19____

DRILLING Cost per Ft. _____

Contractor United Fuel Drilling Dept.

Address Charleston, W. Va.

Commenced May 21, 1917, Completed May 16, 1918

DRILLERS TOOL DRESSERS

C. E. Murry _____

C. M. Goodwell _____

| CASING AND TUBING | | |
|-------------------|------------------|--------------|
| SIZE | USED IN DRILLING | LEFT IN WELL |
| 16 | | |
| 13 | | |
| 10 | 650 | 650 |
| 8 1/4 | 1858 | 1858 |
| 6 5/8 | 2477 | 2477 |
| 5 3/16 | 2813 | 2813 |
| 4 7/8 | | |
| 4 | | |
| 3 | | |
| 2 | | |

WELL TUBED

Date _____

_____ in. Tubing or Casing

Size of Packer _____

Kind of Packer _____

1st Perf. Set _____ from _____

2nd Perf. Set _____ from _____

TEST BEFORE SHOT

_____ of Water in _____ inch

10ths. _____ of Merc. in _____ inch

10ths. Volume _____ Cu. Ft.

TEST AFTER SHOT

_____ of Water in _____ inch

10ths. _____ of Merc. in _____ inch

10ths. Volume _____ Cu. Ft.

Rock Pressure _____

Date Shot _____

Size of Torpedo _____

Oil Flowed _____ bbls. 1st 24 hours

Oil Pumped Est. 50 bbls. 1st 24 hours

Well Abandoned and Plugged _____ 19____

DRILLER'S RECORD

| FORMATION | TOP | BOTTOM | THICKNESS | REMARKS |
|------------------|------|--------|-----------|---------|
| Sand | 13 | 185 | 172 | |
| Coal | 185 | 190 | 5 | |
| Slate & Shells | 190 | 290 | 100 | |
| Sand | 290 | 335 | 45 | |
| Black Lime | 335 | 375 | 40 | |
| Coal | 375 | 380 | 5 | |
| Slate | 380 | 440 | 60 | |
| Lime | 440 | 490 | 50 | |
| Sand | 490 | 525 | 35 | |
| Lime | 525 | 595 | 70 | |
| Coal | 595 | 600 | 5 | |
| Sand | 600 | 900 | 300 | |
| Lime & sand | 900 | 1340 | 440 | |
| Grampus | 1340 | 1510 | 170 | |
| Slate | 1510 | 1555 | 45 | |
| Salt Sand | 1555 | 1830 | 285 | |
| Lime | 1830 | 1880 | 50 | |
| Slate & Red Rock | 1880 | 2248 | 368 | |
| Maxon sand | 2248 | 2375 | 127 | |
| Lime | 2375 | 2405 | 30 | |
| Slate | 2405 | 2423 | 18 | |
| Little Lime | 2423 | 2453 | 30 | |
| Pencil cave | 2453 | 2463 | 10 | |
| Big lime | 2463 | 2677 | 214 | |
| Injun sand | 2677 | 2727 | 57 | |
| Slate & shells | 2727 | 2813 | 86 | |
| Weir sand | 2813 | 2873 | 60 | |
| Slate & shells | 2873 | 3129 | 256 | |
| Berea sand | 3129 | 3162 | 33 | |
| Total depth | | 3163 | | |

Revised record.

Top big lime 2463
 Berea sand 3129-3162
 Oil pay 3150-3162
 Total depth 3163

Show gas in the Weir sand at 2843