

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. MARS 219
Cameron Quad.

Company Manufacturer's Light & Heat Co.
Farm W. H. Bell
Well No. D4091
District Sand Hill County - Marshall
Field Majorsville
Rig Commenced - Oct. 3, 1950
Completed - Oct. 13, 1950
Clean Out Commenced - Oct. 13, 1950
Completed - Dec. 7, 1950
Contractor Rewer Bros., New Martinsville

EL815

| | | | | | |
|---------------------|-----|-----|-------------------------------------|---------|------|
| Drilled Cement | 0 | 5 | Red Clay | 603 | 965 |
| Red Clay | 5 | 245 | Cement | 965 | 975 |
| Cement Drilled Out | 245 | 315 | Red Clay | 975 | 1245 |
| Reamed Hole from | 187 | 315 | Cement | 1245 | 1255 |
| Cemented 10" casing | | 315 | Red Clay | 1255 | 1357 |
| Red clay | 315 | 480 | Wood Clay | 1357 | 1360 |
| Cement | 480 | 490 | Stone | 1360 | 1370 |
| Wood Plug | 490 | 493 | Red Clay | 1370 | 1545 |
| Red Clay | 493 | 530 | Gas not tested | 245-315 | |
| Wood Plug | 530 | 533 | Gas shut off when casing cemented. | | |
| Red Clay | 533 | 555 | Top of 8 1/4" pipe 460' cleaned out | | |
| Cement | 555 | 565 | inside of pipe to 490 in cleaning | | |
| Wood Plug | 565 | 568 | out inside drove pipe 7'. Later | | |
| Red Clay | 568 | 590 | worked pipe down to 605'. Bottom | | |
| Cement | 590 | 600 | of 8 1/4" casing 605' under. Reamed | | |
| Wood Plug | 600 | 603 | 8 1/4" hole from 605' to 724'. Set | | |
| | | | casing on shoulder. Cleaned out | | |
| | | | to bottom 1545'. | | |

Plugging Commenced 10/15/50
Completed 12/7/50
12/7/50 20/10 W 1 1/2" 78869 2nd Salt
Max. R.P. 350# 48 Hrs.

CASING & TUBING RECORD
10" 317'1"
8 1/4" 724'
4" 1059'

| | | |
|---------------------|------|-------|
| Well cleaned out to | | 1545' |
| Filled with gob | 1370 | 1545 |
| Lead Plug | 1368 | 1370 |
| 2 sacks cement | 1358 | 1368 |
| Gob | 1345 | 1358 |
| Cement | 1333 | 1345 |
| Gob | 1225 | 1333 |
| Cement | 1215 | 1225 |
| Gob | 1075 | 1215 |
| Wooden Plug | 1072 | 1075 |
| Gob | 1064 | 1072 |
| Lead Plug | 1062 | 1064 |
| 2 sacks cement | 1054 | 1062 |
| Run 4" tubing at | | 1054 |
| Gas pay | 1049 | 1052 |
| TOTAL DEPTH | | 1054 |

PACKER RECORD
8 1/4" x 4" 1045' Gas Anchor
12/7/50
Schlumberger test Nov. 8, 1950.
8 1/4" casing shoulder at 724'
6 5/8" casing shoulder at 1347'
Gas at 1049' to 1052'
Gas at 1076'
Test Dec. 8, - 20/10 in 1 1/2" Water -
78,869 Cu.Ft.
10" Casing cemented in hole with 125
bags cement and 2 bags Acuagel.
Tubed with 1059' 4" tubing 12.60#
8R Thd. on Dec. 7, 1950 using 8 1/4"
x 4" Anchor packer. 6'9" anchor
4 perforations, 1" x 6".

Tamped with tools every 10'
This well was cleaned out and re-plugged in 1937 by Knisley,
Drilled by Frye & McCracken 1928 Completed July 25, 1928.

| | | | | | |
|-----------------|------|------|--------------------------------|------|------|
| Mapletown Coal | 180 | 185 | Lime | 1333 | 1360 |
| Pittsburgh Coal | 280 | 285 | Big Injun Sand | 1360 | 1562 |
| Little Dunkard | 585 | 625 | Fifty-foot Sand | 1915 | 1541 |
| Big Dunkard | 725 | 742 | Shelly to total depth | | 2525 |
| Gas Sand | 900 | 975 | | | |
| Freeport Coal | 980 | 983 | Little gas in Pittsburgh Coal | | |
| 1st Salt Sand | 1010 | 1035 | Little gas in Little Dunkard | | |
| 2nd Salt Sand | 1041 | 1075 | Little gas in second salt sand | | |
| 3rd Salt Sand | 1190 | 1225 | Break of 30' in Big Injun Sand | | |
| Maxon Sand | 1245 | 1325 | Very poor sand after Big injun | | |

410

1333
815
- 518

815
2525
- 535