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WV Division of  
Environmental Protection

APR 10 1996

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Permitting  
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: HAYES, RALPH & BETTY

Operator Well No.: F.R. BALL M-6

LOCATION: Elevation: 846.33

Quadrangle: CENTERPOINT

District: MCELROY

County: TYLER

Latitude: 2,300 Feet south of

39 Deg 27 Min 30 Sec.

Longitude: 2,250 Feet west of

80 Deg 40 Min 0 Sec.

Company: PENNZOIL PRODUCTS COMPANY  
P.O. BOX 5519  
VIENNA, WV 26105-5519

Agent: PHILIP S. ONDRUSEK

Inspector: MIKE UNDERWOOD

Permit Issued: 9/28/95

Well work Commenced: 9/28/95

Well work Completed: 10/27/95

Verbal plugging

permission granted on:

Rotary X Cable        Rig       

Total Depth (feet) 2,846

Fresh water depths (ft) NA

Salt water depths (ft) NA

Is coal being mined in area (Y/N) N

Coal Depths (ft): NA

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|----------------------|------------------|--------------|------------------------|
| 8-5/8                | 214'             | 214'         | 100 SKS                |
| 4 1/2"               | 2,823'           | 2,823'       | 170 SKS                |
|                      |                  |              |                        |
|                      |                  |              |                        |

OPEN FLOW DATA

\* Water Injection Well

Producing formation Gordon Pay zone depth (ft) 2694-2753  
 Gas: Initial open flow \* MCF/d Oil: Initial open flow \* Bbl/d  
 Final open flow \* MCF/d Final open flow \* Bbl/d  
 Time of open flow between initial and final tests \* Hours  
 Static rock pressure \* psig (surface pressure) after \* Hours

Second producing formation        Pay zone depth (ft)         
 Gas: Initial open flow        MCF/d Oil: Initial open flow        Bbl/d  
 Final open flow        MCF/d Final open flow        Bbl/d  
 Time of open flow between initial and final tests        Hours  
 Static rock pressure        psig (surface pressure) after        Hours

NOTE: ON BACK OF THIS FORM, PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: PENNZOIL PRODUCTS COMPANY

By: Philip S. Ondrusek

Date: 4/8/96

05/24/2024

**Treatment:** Perforated Gordon @ 2718 - 2724 (24 Holes) & 2734 -2738 (16 Holes)  
Treated via 4 1/2" with 300 gal. 15% HCl, 266 BBL gelled water & 15,300# of  
20/40 Sand.

**Well Log:**

|              |       |   |       |
|--------------|-------|---|-------|
| Sand & Shale | 0     | - | 1060' |
| Sand         | 1060' | - | 1105' |
| Sand & Shale | 1105' | - | 1865' |
| Sand         | 1865' | - | 1921' |
| Shale        | 1921' | - | 1972' |
| Sand         | 1972' | - | 2145' |
| Sand & Shale | 2145' | - | 2694' |
| Gordon       | 2694' | - | 2753' |
| T.D.         | 2846' |   |       |