API # 47-103-01516 s

RECEIVED Office of Oil & Gas

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

Well Operator's Report of Well Work

Farm name Bivision VA.

PUBLIC LAND CORP.

Operator Well No.: C.C.PENNICK-L15

LOCATION: Elevation: 1386.00 Quadrangle: CENTER POINT

District:

GREEN County: WETZEL
7700 Feet South of 39 Deg. 30Min. 0 Sec.
3900 Feet West of 80 Deg. 40 Min. 0 Sec. Latitude: Longitude

Company: PENNZOIL PRODUCTS COMPANY P. O. BOX 5519

VIENNA, WV 26105-5519

Agent: JAMES A. CREWS

Inspector: RANDAL MICK

Permit Issued: 10/05/92 Well work Commenced: 11/8/92 Well work Completed: 12/14/92 Verbal Plugging Permission granted on:

Rotary X Cable
Total Depth (feet)
Fresh water depths (ft) Rig 3520' N/A

Salt water depths (ft)

Is coal being mined in area (Y/N)? Coal Depths (ft): N/A

| Casing | Used in | Left | Cement |
|--------|----------|----------|----------------------|
| Tubing | Drilling | in Well | Fill Up Cu. Ft. |
| Size | | | ! |
| | <u> </u> | | |
| | | | To Surface |
| 8 5/8 | 661.20' | 661.20' | 175 Sks. |
| | 2506 20 | 2506 20 | 200 0 |
| 4 1/2 | 3506.38 | | 300 Sks. |
| | | | |
| | | | |
| | | <u> </u> | İ |

OPEN FLOW DATA

(Water Injection Well)

| Producing formation | Gordon | Pay zone depth | (ft) 3365' - 343 |
|-------------------------|-----------------|---------------------|------------------|
| Gas: Initial open flow | MCF/d Oil: | Initial open flow | Bb1 /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 (surf | ace pressure) after | Hours |
| Second producing format | ion | Pay zone depth | (ft) |
| Gas: Initial open flow | MCF/d Oil: | Initial open flow | Bb1/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 (surf | ace 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 FRODUCTS COMPANY

Timothy P. Roush

By: Supervisor - Surveying/Mapping

Date: 3-3-93

Recorded Dewelvest

TREATMENT

PERFORATED:

Gordon w/ 8 Holes

3388' - 3396' 3408' - 3412'

w/ 4 Holes

Treated w/300 Gals. Reg. H.F., 283 Bbl. Gel Water 1500 # 80/100 and 3500 # 20/40 Sand

WELL LOG

(Measured Depths Directionally Drilled)

| Sand | & | Shale | 0 | _ | 510 |
|--------|---|-------|------|---|------|
| Sand | | | 510 | _ | 530 |
| Sand a | & | Shale | 530 | _ | 830 |
| Sand | | | 830 | _ | 845 |
| Sand | & | Shale | 845 | _ | 1020 |
| Sand | | | 1020 | _ | 1090 |
| Sand | & | Shale | 1090 | _ | 1340 |
| Sand | | | 1340 | | 1370 |
| Sand | & | Shale | 1370 | | 1510 |
| Shale | | | 1510 | _ | 1795 |
| Sand | | | 1795 | _ | 1985 |
| Sand | & | Shale | 1985 | _ | 2490 |
| Sand | | | 2490 | _ | 2660 |
| Sand | & | Shale | 2660 | _ | 2780 |
| Shale | | | 2780 | _ | 3365 |
| Gordo | n | | 3365 | _ | 3430 |
| T.D. | | | 3520 | | |
| | | | | | |



