

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: DELONG, VERNON & ELIZ. Operator Well No.: F. R. BALL 20

LOCATION: Elevation: 1235.00 Quadrangle: CENTER POINT

District: MCELROY County: TYLER
Latitude: 925 Feet South of 39 Deg. 27Min. 30 Sec.
Longitude 5480 Feet West of 80 Deg. 40 Min. 0 Sec.

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

Agent: JAMES A. CREWS

Inspector: GLEN P. ROBINSON
Permit Issued: 07/30/90
Well work Commenced: 10-21-90
Well work Completed: 11-29-90
Verbal Plugging
Permission granted on:
Rotary X Cable _____ Rig
Total Depth (feet) 3206'
Fresh water depths (ft) _____

Salt water depths (ft) _____

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

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			To Surface
8-5/8	490	490	360 Sks.
4-1/2	3186.70	3186.70	300 Sks.

OPEN FLOW DATA

Producing formation Gordon Pay zone depth (ft) 3144-3174
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

* Water injection well - not tested.

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: Timothy P. Roush Timothy P. Roush
Date: April 17, 1991

APR 19 1991

05/24/2024

Stimulation

Perforated: Gordon 3144-3154 - 10 holes

Treated w/300 gals. reg. HR acid, 293 Bbls. gelled water and 1500# 80/100 and 3500# 20/40 sand.

<u>Well Log</u>	
Sand & Shale	00-684
Sand	684-710
Sand & Shale	710-1110
Sand	1110-1133
Shale	1133-1140
Sand	1140-1156
Shale	1156-1181
Sand	1181-1197
Shale	1197-1250
Sand	1250-1265
Shale	1265-1458
Sand	1458-1479
Shale	1479-1494
Sand	1494-1541
Sand & Shale	1541-1674
Sand	1674-1728
Shale	1728-1772
Sand	1772-1830
Shale	1830-1875
Sand	1875-1900
Shale	1900-1985
Sand	1985-2005
Shale	2005-2290
Little Lime	2290-2304
Shale	2304-2332
Big Lime	2332-2413
Big Injun	2413-2562
Shale	2562-3138
Gordon	3138-3174
Shale	3174-3206
T.D.	3206'

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