

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

COPY

Well Operator's Report of Well Work

Farm name: EAST RESOURCES

Operator Well No.: J A DULANEY 279

LOCATION: Elevation: 1,156'

Quadrangle: PINE GROVE 7.5'

District: CENTER

County: WETZEL

Latitude: 1,575 Feet south of 39 Deg 37 Min 30 Sec.

Longitude: 1,050 Feet west of 80 Deg 37 Min 30 Sec.

Company: EAST RESOURCES, INC.
P.O. BOX 5519
VIENNA, WV 26105-5519

Agent: PHILIP S. ONDRUSEK

Inspector: DAVID SCRANAGE

Permit Issued: 12/01/09

Well work Commenced: 02/15/10

Well work Completed: 03/19/10

Verbal plugging

permission granted on:

Rotary X Cable _____ Rig _____

Total Depth (feet) 3320'

Fresh water depths (ft) _____

Salt water depths (ft) _____

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. |
|--------------------|------------------|--------------|------------------------|
| | | | |
| | | | |
| 7" | 1126' | 1126' | 275 sks |
| 4 1/2" | 3239.8' | 3239.8' | 150 sks |
| | | | |

OPEN FLOW DATA * WATERFLOOD PRODUCER

Producing formation Gordon Pay zone (ft) 3085'-3091', 3104'-3116', 3118'-3120'

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.

RECEIVED
Office of Oil & Gas For: EAST RESOURCES, INC.

FEB 05 2013

By: _____
Date: _____

Bu Keller
5/12/10

02/08/2013

Treatment: Treated perms (3085'-3120') w/ 250 gals. 15% HCl acid, 406 bbls cross linked gel, and 20,500 # 30/50 sand.

Well Log:

| | | |
|------|------|----------------|
| 0 | 300 | Sand and Shale |
| 300 | 308 | Sand |
| 308 | 340 | Shale |
| 340 | 386 | Sand |
| 386 | 412 | Shale |
| 412 | 428 | Sand |
| 428 | 450 | Shale |
| 450 | 500 | Sand |
| 500 | 595 | Shale |
| 595 | 615 | Sand |
| 615 | 637 | Shale |
| 637 | 661 | Sand |
| 661 | 710 | Shale |
| 710 | 760 | Sand |
| 760 | 764 | Shale |
| 764 | 780 | Sand |
| 780 | 806 | Shale |
| 806 | 1004 | Sand |
| 1004 | 1048 | Shale |
| 1048 | 1060 | Sand |
| 1060 | 1084 | Shale |
| 1084 | 1104 | Sand |
| 1104 | 1125 | Shale |
| 1125 | 1156 | Sand |
| 1156 | 1178 | Shale |
| 1178 | 1185 | Sand |
| 1185 | 1306 | Shale |
| 1306 | 1318 | Sand |
| 1318 | 1534 | Shale |
| 1534 | 1558 | Sand |
| 1558 | 1568 | Shale |
| 1568 | 1584 | Sand |
| 1584 | 1706 | Shale |
| 1706 | 1725 | Sand |
| 1725 | 1736 | Shale |
| 1736 | 1758 | Sand |
| 1758 | 1787 | Shale |
| 1787 | 1837 | Sand |
| 1837 | 1935 | Shale |
| 1935 | 1972 | Sand |
| 1972 | 2002 | Shale |
| 2002 | 2037 | Sand |
| 2037 | 2054 | Shale |
| 2054 | 2116 | Sand |
| 2116 | 2171 | Shale |
| 2171 | 2202 | Sand |
| 2202 | 2214 | Shale |
| 2214 | 2222 | Sand |
| 2222 | 2288 | Big Lime |
| 2288 | 2508 | Big Injun |
| 2508 | 3068 | Shale |
| 3068 | 3094 | Gordon Stray |
| 3094 | 3098 | Shale |
| 3098 | 3122 | Gordon |
| 3122 | 3126 | Shale |
| 3126 | 3139 | Sand |
| 3139 | 3320 | Shale |
| 3320 | | TD |

02/08/2013