

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

COPY

Well Operator's Report of Well Work

Farm name: YOHO, JAMES & FLORENCE Operator Well No.: CATHERINE MARTIN 304 REV

LOCATION: Elevation: 1,415' Quadrangle: PINE GROVE 7.5'

District: GRANT County: WETZEL
Latitude: 10,700 Feet south of 39 Deg 37 Min 30 Sec.
Longitude: 340 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: 06/23/10
Well work Commenced: 07/06/10
Well work Completed: 08/18/10

Verbal plugging permission granted on:

Rotary X Cable _____ Rig _____

Total Depth (feet) 3955'

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"	1394'	1394'	360 sks
4 1/2"	3938.15'	3938.15'	150 sks

OPEN FLOW DATA

This well was drilled directionally a distance of 1463' N54 ° W 3770'-3786'

Producing formation Gordon Pay zone depth (ft) 3794'-3834'

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: EAST RESOURCES, INC.

FEB 05 2013

By: _____

Date: _____

Philip Nelder

9/28/10 02/08/2013

Treatment :

Treated perforations (3770'-3786', 3794'-3834') w/ 250 gals. 15% HCl, 350 bbls cross linked gel, & 23,700 # 20/40 sand.

Well Log :

0	438	Sand and Shale
438	488	Sand
488	956	Sand and Shale
956	1196	Sand
1196	1204	Shale
1204	1216	Sand
1216	1326	Shale
1326	1350	Sand
1350	1707	Shale
1707	1743	Sand
1743	1888	Shale
1888	1916	Sand
1916	1928	Shale
1928	1960	Sand
1960	2032	Shale
2032	2104	Sand
2104	2176	Shale
2176	2208	Sand
2208	2240	Shale
2240	2302	Sand
2302	2322	Shale
2322	2340	Sand
2340	2508	Shale
2508	2529	Sand
2529	2548	Shale
2548	2559	Sand
2559	2718	Big Lime
2718	2967	Big Injun
2967	3750	Shale
3750	3788	Gordon Stray
3788	3792	Shale
3792	3835	Gordon
3835	3857	Shale
3857	3864	Sand
3864	3938	Shale
3938		TD