

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas
Well Operator's Report of Well Work

Farm Name: C. O. Davis Operator Well No. 5 CBM
Location: Elevation: 1209.79' Quadrangle: Jaeger 7.5
District: Sandy River County: McDowell
Latitude: 5,454 Feet South of 37 Degrees 27 Minutes 30 Seconds
Longitude: 2,640 Feet West of 81 Degrees 47 Minutes 30 Seconds

Company: Northport Production Company
2601 NW Expressway St. Suite 902-E
Oklahoma City, Oklahoma 73112

Agent: W. T. White
Inspector: Barry Stollings
Permit Issued: 11/2/2005
Well work Commenced: 5/4/2005
Well work Completed: 5/4/2005
Verbal Plugging Permission granted on: N/A
Rotary Cable Tool Rig
Total Depth (ft): LTD- DTD-
Fresh Water Depths (ft):
Salt Water Depths (ft):
Is coal being mined in area:
Coal Depths:

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement Fill Up Cu. Ft. Rows include 16", 12 3/4", 9 5/8", 7", 4 1/2" and a note 'See Original WR-35'.

OPEN FLOW DATA:

Producing formation(s): 4 Coal Seams - see page 2 for list Pay zone depth (ft) see page 2
Gas: Initial open flow No Show MCF/D Oil: Initial open flow 0 Bbl/d
Final open flow No Show MCF/D Final open flow 0 Bbl/d
Time of open flow between initial and final tests: 0 Hours
Static rock pressure 0 psig (surface pressure) after 0 Hours
Second producing formation(s): 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 THE 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: Northport Production Company
BY: Tom White - Consultant
DATE: 7-19-2013

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07/26/2013
WV Department of Environmental Protection

May 4, 2005

MIRU Meeks Wireline to run GR/CBL/CCL (*all depths correlated back to open hole log*).

Logger's TD -- 1271' Calc TOC -- Surface Actual TOC -- Surface Marker Jt. -- 424'

RDMO Meeks Wireline.

June 2, 2005

MIRU Allegheny Wireline & Superior Well Services to conduct 3-stage completion. Lines tested to 4100 psi.

RIH with Dump Bailor, spotted acid (1180' - 1200'). ROH with Bailor.

RIH with 3 1/8" SF perforating gun, perforated Squire Jim Coal (1198' - 1200'). ROH with gun.

1st Stage, Phase I - Squire Jim Coal: (1198' - 1200') - 12 holes total. Water Frac.

5 Bbls. (200 gals.) 28% HCl; 300 Bbls. Twtr.

BKDN -- 3778 psi. ATP -- 3265 psi. AIR -- 12.0 bpm. ISIP -- 1553 psi.

RIH with 3 1/8" SF perforating gun, perforated Poca 2 Coal (1168' - 1170'). ROH with gun.

Beginning of Phase II, dropped 16 perfs balls in 9 Bbls. 28% HCl to seal off Stage 1, Phase I perfs.

1st Stage, Phase II - Poca 2 Coal: (1168' - 1170') - 8 holes total. Water Frac.

9 Bbls. (375 gals.) 28% HCl; 400 Bbls. Twtr.

BKDN -- 3200 psi. ATP -- 3429 psi. AIR -- 13.6 bpm. ISIP -- 1500 psi.

RIH with 3 1/8" SF perforating gun, perforated Poca 3 Coal (1107' - 1110'). ROH with gun.

3 5/16" baffle at 1143'. Dropped frac ball in 9 Bbls. 28% HCl, followed by water breakdown.

2nd Stage, Phase II - Poca 3 Coal: (1107' - 1110') - 8 holes total. Water Frac.

9 Bbls. (375 gals.) 28% HCl; 400 Bbls. Twtr.

BKDN -- 3387 psi. ATP -- 2738 psi. AIR -- 16.4 bpm. ISIP -- 1485 psi.

RIH with 3 1/8" SF perforating gun, perforated Beckley "A" Coal (761' - 763'). ROH with gun.

3 7/16" baffle at 763'. Dropped frac ball in 9 Bbls. 28% HCl, followed by water breakdown.

3rd Stage, Phase I - Beckley "A" Coal: (761' - 763') - 8 holes total. Water Frac.

9 Bbls. (375 gals.) 28% HCl; 115 Bbls. Twtr.

BKDN -- 3801 psi. ATP -- 3471 psi. AIR -- 8.2 bpm. ISIP -- N/A

RDMO Allegheny Wireline and Superior Well Services.

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