

FORMATION: CODELL Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 05/16/2013 End Date: 05/16/2013 Date of First Production this formation: 06/18/2013
Perforations Top: 7708 Bottom: 7732 No. Holes: 96 Hole size: 38/100

Provide a brief summary of the formation treatment: _____ Open Hole:

CODELL SHOT FROM 7708'-7732' W/4 SPF AND 120 DEGREE PHASING. CODELL FRAC'D WITH 4611 BBLs FR WATER TREATMENT & 90180 LBS OF 30/50 PROPPANT. FORMATION BREAK @ 3164 PSI & 4.7 BPM, TREATED @ 4386 PSI AVERAGE PRESSURE, 60.1 BPM AVERAGE RATE.

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): <u>4611</u>	Max pressure during treatment (psi): <u>5339</u>
Total gas used in treatment (mcf): _____	Fluid density at initial fracture (lbs/gal): <u>8.40</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.77</u>
Total acid used in treatment (bbl): _____	Number of staged intervals: <u>1</u>
Recycled water used in treatment (bbl): _____	Flowback volume recovered (bbl): <u>1407</u>
Fresh water used in treatment (bbl): <u>4611</u>	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>90180</u>	Rule 805 green completion techniques were utilized: <input type="checkbox"/>
	Reason why green completion not utilized: <u>PIPELINE</u>

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: _____ Hours: _____ Bbl oil: _____ Mcf Gas: _____ Bbl H2O: _____
Calculated 24 hour rate: Bbl oil: _____ Mcf Gas: _____ Bbl H2O: _____ GOR: _____
Test Method: _____ Casing PSI: _____ Tubing PSI: _____ Choke Size: _____
Gas Disposition: _____ Gas Type: _____ Btu Gas: _____ API Gravity Oil: _____
Tubing Size: _____ Tubing Setting Depth: _____ Tbg setting date: _____ Packer Depth: _____

Reason for Non-Production:

Date formation Abandoned: _____ Squeeze: Yes No If yes, number of sacks cmt _____

** Bridge Plug Depth: _____ ** Sacks cement on top: _____ ** Wireline and Cement Job Summary must be attached.

FORMATION: NIOBRARA-CODELL Status: PRODUCING Treatment Type: _____

Treatment Date: _____ End Date: _____ Date of First Production this formation: 06/18/2013

Perforations Top: 7412 Bottom: 7732 No. Holes: 428 Hole size: 38/100

Provide a brief summary of the formation treatment: _____ Open Hole:

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): _____ Max pressure during treatment (psi): _____

Total gas used in treatment (mcf): _____ Fluid density at initial fracture (lbs/gal): _____

Type of gas used in treatment: _____ Min frac gradient (psi/ft): _____

Total acid used in treatment (bbl): _____ Number of staged intervals: _____

Recycled water used in treatment (bbl): _____ Flowback volume recovered (bbl): _____

Fresh water used in treatment (bbl): _____ Disposition method for flowback: _____

Total proppant used (lbs): _____ Rule 805 green completion techniques were utilized:

Reason why green completion not utilized: _____

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 06/18/2013 Hours: 24 Bbl oil: 10 Mcf Gas: 7 Bbl H2O: 194

Calculated 24 hour rate: Bbl oil: 10 Mcf Gas: 7 Bbl H2O: 194 GOR: 720

Test Method: FLOWING Casing PSI: 1250 Tubing PSI: _____ Choke Size: 12/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1250 API Gravity Oil: 45

Tubing Size: _____ Tubing Setting Depth: _____ Tbg setting date: _____ Packer Depth: _____

Reason for Non-Production: TUBING NOT RUN YET. NIOBRARA AND CODELL FORMATIONS WERE TESTED TOGETHER.

Date formation Abandoned: _____ Squeeze: Yes No If yes, number of sacks cmt _____

** Bridge Plug Depth: _____ ** Sacks cement on top: _____ ** Wireline and Cement Job Summary must be attached.

FORMATION: NIOBRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION

Treatment Date: 05/21/2013 End Date: 05/21/2013 Date of First Production this formation: 06/18/2013
Perforations Top: 7412 Bottom: 7590 No. Holes: 332 Hole size: 38/100

Provide a brief summary of the formation treatment: _____ Open Hole:

NIOBRARA C SHOT FROM 7550'-7590', NIOBRARA B SHOT FROM 7485'-7510' & NIOBRARA A SHOT FROM 7412'-7430' ALL W/4 SPF AND 120 DEGREE PHASING. NIOBRARA FRAC'D WITH 5245 BBLs FR WATER TREATMENT & 90120 LBS OF 30/50 PROPPANT. FORMATION BREAK @ 2742 PSI & 5.0 BPM, TREATED @ 4180 PSI AVERAGE PRESSURE, 59.8 BPM AVERAGE RATE.

This formation is commingled with another formation: Yes No

Total fluid used in treatment (bbl): 5245 Max pressure during treatment (psi): 5388

Total gas used in treatment (mcf): _____ Fluid density at initial fracture (lbs/gal): 8.40

Type of gas used in treatment: _____ Min frac gradient (psi/ft): 0.79

Total acid used in treatment (bbl): 23 Number of staged intervals: 1

Recycled water used in treatment (bbl): _____ Flowback volume recovered (bbl): 2195

Fresh water used in treatment (bbl): 5220 Disposition method for flowback: DISPOSAL

Total proppant used (lbs): 90120 Rule 805 green completion techniques were utilized:

Reason why green completion not utilized: PIPELINE

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: _____ Hours: _____ Bbl oil: _____ Mcf Gas: _____ Bbl H2O: _____

Calculated 24 hour rate: Bbl oil: _____ Mcf Gas: _____ Bbl H2O: _____ GOR: _____

Test Method: _____ Casing PSI: _____ Tubing PSI: _____ Choke Size: _____

Gas Disposition: _____ Gas Type: _____ Btu Gas: _____ API Gravity Oil: _____

Tubing Size: _____ Tubing Setting Depth: _____ Tbg setting date: _____ Packer Depth: _____

Reason for Non-Production: _____

Date formation Abandoned: _____ Squeeze: Yes No If yes, number of sacks cmt _____

** Bridge Plug Depth: _____ ** Sacks cement on top: _____ ** Wireline and Cement Job Summary must be attached.

Comment: _____

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: TANYA CARPIO

Title: OFFICE MANAGER Date: 6/25/2013 Email TCARPIO@APOLLOOPERATING.COM

Attachment Check List

Att Doc Num	Name
400430294	FORM 5A SUBMITTED
400435714	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)