

FORM
5A

Rev
06/12

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

400307659

Date Received:

COMPLETED INTERVAL REPORT

The completed interval Report, Form 5A, shall be submitted within thirty (30) days of completing a formation (successful or not), when a formation is temporarily abandoned or permanently abandoned, for a recompletion, reperforation or restimulation, or when a formation is commingled. Fill out a section for each formation. Attach as many pages as required to fully describe the work. List in order of completion.

1. OGCC Operator Number: 46290
2. Name of Operator: K P KAUFFMAN COMPANY INC
3. Address: 1675 BROADWAY, STE 2800
City: DENVER State: CO Zip: 80202
4. Contact Name: Susana Lara-Mesa
Phone: (303) 825-4822
Fax: (303) 825-4825

5. API Number 05-123-35081-00
6. County: WELD
7. Well Name: Sunmarke
Well Number: 19-28-14
8. Location: QtrQtr: SESW Section: 28 Township: 4N Range: 67W Meridian: 6
9. Field Name: WATTENBERG Field Code: 90750

Completed Interval

FORMATION: <u>CODELL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>04/06/2012</u>		End Date: <u>04/06/2012</u>		Date of First Production this formation: _____	
Perforations	Top: <u>7407</u>	Bottom: <u>7427</u>	No. Holes: <u>60</u>	Hole size: <u>3/7</u>	

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

Formation break 3010 psi and 2.1 bpm. ISIP 2896 psi, 1 min 2777 psi, 4 min 2582 psi, leakoff 195 psi.
 FR water pad 2571 psi @ 50.7 bpm.
 0.25-0.75 ppg Ottawa 30/50 sand at 4052 psi at 50.6 bpm.
 0.75-1.25 ppg Ottawa 30/50 sand at 4045 psi at 51.09 bpm
 1.25-1.50 ppg Ottawa 30/50 sand at 4101 psi at 52.08 bpm
 1.50-1.75 ppg Ottawa 30/50 sand at 4215 psi at 52.6 bpm
 Flush at 3504 psi at 38.6 bpm with 15 % HCL acid
 ISIP 3234 psi, 5 min 3144 psi, 10 min 3117 psi
 Pumped 4690 bbls FR Water and 143409 lb of sand

This formation is commingled with another formation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Total fluid used in treatment (bbl): <u>4858</u>	Max pressure during treatment (psi): <u>5063</u>
Total gas used in treatment (mcf): _____	Fluid density at initial fracture (lbs/gal): _____
Type of gas used in treatment: _____	Max frac gradient (psi/ft): <u>0.87</u>
Total acid used in treatment (bbl): <u>0</u>	Number of staged intervals: <u>1</u>
Recycled water used in treatment (bbl): _____	Flowback volume recovered (bbl): <u>1000</u>
Fresh water used in treatment (bbl): <u>3890</u>	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>152220</u>	Rule 805 green completion techniques were utilized: <input type="checkbox"/>

Reason why green completion not utilized: _____

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: <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, number of sacks cmt _____
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** Bridge Plug Depth: _____ ** Sacks cement on top: _____ ** Wireline and Cement Job Summary must be attached.

FORMATION: NIOBRARA-CODELL		Status: PRODUCING		Treatment Type: FRACTURE STIMULATION	
Treatment Date: _____		End Date: _____		Date of First Production this formation: 04/19/2012	
Perforations	Top: 7122	Bottom: 7427	No. Holes: 132	Hole size: 3/7	
Provide a brief summary of the formation treatment:			Open Hole: <input type="checkbox"/>		
This formation is commingled with another formation:			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: _____			Max 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: <input type="checkbox"/>		
Reason why green completion not utilized: _____					
Fracture stimulations must be reported on FracFocus.org					
<u>Test Information:</u>					
Date: 04/21/2012	Hours: 24	Bbl oil: 26	Mcf Gas: 53	Bbl H2O: 2	
Calculated 24 hour rate:	Bbl oil: 26	Mcf Gas: 53	Bbl H2O: 2	GOR: _____	
Test Method: Flow	Casing PSI: 500	Tubing PSI: _____	Choke Size: _____		
Gas Disposition: SOLD	Gas Type: DRY	Btu Gas: 1316	API Gravity Oil: 50		
Tubing Size: _____	Tubing Setting Depth: _____	Tbg setting date: _____	Packer Depth: _____		
Reason for Non-Production: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>					
Date formation Abandoned: _____	Squeeze: <input type="checkbox"/> Yes <input type="checkbox"/> 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: 04/06/2012 End Date: 04/06/2012 Date of First Production this formation:
Perforations Top: 7122 Bottom: 7284 No. Holes: 24 Hole size: 3/7

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

Formation break at 3271 psi at 1.8 bpm. ISIP 3287 psi, 1 min 3212 psi, 5 min 3161 psi
0.25-0.75 ppg Ottawa sand 4091 psi at 51.3 bpm
0.75-1.25 ppg Ottawa 30/50 sand at 4030 psi 51.3 bpm
1.25-1.50 ppg Ottawa 30/50 sand at 4039 psi 51.3 bpm
1.50-1.75 ppg Ottawa 30/50 sand at 4084 psi 51.3 bpm
Shut down. ISIP 3378 psi, 5 min 3247 psi, 10 min 3235 psi
Pumped 5634 bbls FR Water and 188083 lb of sand

This formation is commingled with another formation: ☐ Yes ☒ No

Total fluid used in treatment (bbl): 5634 Max pressure during treatment (psi): 5047
Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal):
Type of gas used in treatment: Max frac gradient (psi/ft): 0.90
Total acid used in treatment (bbl): 1000 Number of staged intervals: 1
Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 2500
Fresh water used in treatment (bbl): 3890 Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 199800 Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized:

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: Susana Lara-Mesa
Title: Engineering Project Mgr Date: Email: slaramesa@kpk.com

Attachment Check List

Att Doc Num	Name
400307683	WELLBORE DIAGRAM
400307685	CEMENT JOB SUMMARY

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)