

# KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

- Open Flow  
 Deliverability

Test Date: 9-29-10

API No. 15 15-035-24322-0000

Company <u>B-C STEEL LLC</u>		Lease <u>DAVIS</u>		Well Number <u>#2</u>	
County <u>Cowley</u>	Location <u>C/E2-W2-E2-564</u>	Section <u>10</u>	TWP <u>32</u>	RNG (E/W) <u>7E</u>	Acres Attributed
Field <u>SCHOOL CREEK NORTH</u>		Reservoir <u>Cleveland Sand</u>	Gas Gathering Connection <u>NAT GAS</u>		
Completion Date <u>Dec 09</u>		Plug Back Total Depth		Packer Set at	
Casing Size <u>4.5</u>	Weight <u>9.5</u>	Internal Diameter <u>4.090</u>	Set at <u>2500</u>	Perforations	To
Tubing Size <u>2 3/8</u>	Weight	Internal Diameter	Set at <u>2442</u>	Perforations <u>2442</u>	To <u>2462</u>
Type Completion (Describe) <u>PERFORATED</u>		Type Fluid Production <u>OIL &amp; WATER</u>		Pump Unit or Traveling Plunger? <u>Pumping Unit</u> Yes / No	
Producing Thru (Annulus / Tubing) <u>Annulus</u>		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) <u>2,500</u>		Pressure Taps		(Meter Run) (Prover) Size <u>METER RUN 2"</u>	
Pressure Buildup: Shut in <u>9-28</u> 20 <u>10</u> at <u>10:15</u> (AM) (PM) Taken <u>9-29</u> 20 <u>10</u> at <u>12:15</u> (AM) (PM)					
Well on Line: Started <u>9-29</u> 20 <u>10</u> at <u>12:15</u> (AM) (PM) Taken <u>9-29</u> 20 <u>10</u> at <u>4:15</u> (AM) (PM)					

**OBSERVED SURFACE DATA**

Duration of Shut-In 26 Hours

Static / Dynamic Property	Orifice Size (Inches)	Circle one: Meter or Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> O	Flowing Temperature	Well Head Temperature	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>2</sub> )		Tubing Wellhead Pressure (P <sub>m</sub> ) or (P <sub>1</sub> ) or (P <sub>2</sub> )		Duration (Hours)	Liquid Produced (Barrel)
						psig	psia	psig	psia		
Shut-In						160				26	
Flow	2"					5				4	

**FLOW STREAM ATTRIBUTES**

Plate Coefficient (F <sub>d</sub> ) (F <sub>p</sub> ) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F <sub>g</sub>	Flowing Temperature Factor F <sub>t</sub>	Deviation Factor F <sub>pr</sub>	Metered Flow R (Mcfd)	GOR (Cubic Foot/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>
						20		

**(OPEN FLOW) (DELIVERABILITY) CALCULATIONS**

(P<sub>a</sub>)<sup>2</sup> = 0.207  
(P<sub>0</sub>)<sup>2</sup> =

(P<sub>c</sub>)<sup>2</sup> = : (P<sub>w</sub>)<sup>2</sup> = : P<sub>d</sub> = % (P<sub>c</sub> - 14.4) + 14.4 = :

(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>0</sub> ) <sup>2</sup>	(P <sub>0</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>0</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> divided by P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide by P <sub>w</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup>	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG [ ]	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)

Open Flow Mcfd @ 14.65 psia      Deliverability      Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 30 day of September, 20 10.

Witness (if any) \_\_\_\_\_ For Commission  
B-C STEEL LLC For Company  
 \_\_\_\_\_ Checkered by

**RECEIVED**  
**OCT 06 2010**  
**KCC WICHITA**

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator B-C STEEL LLC and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.

I hereby request a one-year exemption from open flow testing for the DAVIS #2 gas well on the grounds that said well:

(Check one)

- is a coalbed methane producer
- is cycled on plunger lift due to water
- is a source of natural gas for injection into an oil reservoir undergoing ER
- is on vacuum at the present time; KCC approval Docket No. \_\_\_\_\_
- is not capable of producing at a daily rate in excess of 250 mcf/D

I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.

Date: 9-30-10

Signature: [Handwritten Signature]  
Title: GENERAL MANAGER

**Instructions:** If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.

RECEIVED  
OCT 08 2010  
KCC WICHITA

B-C MANAGEMENT SERVICES CORP  
P.O. BOX 326  
YATES CENTER, KS 66783  
OFFICE: 620-625-2999 FAX: 620-625-3302

FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
JIM HEMMEN	REX HORNING
COMPANY:	DATE:
CONSERVATION DIVISION OFFICE	10-6-10
FAX NUMBER:	TOTAL NO. OF PAGES INCL. COVER:
316-337-6211	5
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
316-337-6200	
RE:	YOUR REFERENCE NUMBER:
DAVIS #1 #2 OF TEST	

URGENT     FOR REVIEW     PLEASE COMMENT     PLEASE REPLY     PLEASE RECYCLE

NOTES/COMMENTS:

RECEIVED  
OCT 06 2010  
KCC WICHITA