

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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MAY 03 2013

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date: 4-26-13

API No. 15 -007-03-772-0069
CONSERVATION DIVISION
WICHITA, KS

Company KWB Oil Property Management, Inc.			Lease McCracken #1		0420375	Well Number 08575
County Barber	Location NE/4	Section 8	TWP 34S	RNG (E/W) 12W	Acres Attributed 160	
Field Driftwood/N. Hardtner		Reservoir Miss	Gas Gathering Connection OneOk Field			
Completion Date 10-21-64		Plug Back Total Depth 4855	Packer Set at NONE			
Casing Size 4 1/2	Weight 9.5	Internal Diameter 3.965"	Set at 4898'	Perforations 4725'	To 4750'	
Tubing Size 2 3/8	Weight 4.85	Internal Diameter 1.995	Set at 4720'	Perforations	To	
Type Completion (Describe) Single gas casing		Type Fluid Production Water	Pump Unit or Traveling Plunger? Rod Pump		Yes / No	
Producing Thru (Annulus / Tubing)		% Carbon Dioxide	% Nitrogen		Gas Gravity - G _g	

Vertical Depth(H) _____ Pressure Taps _____ (Meter Run) (Prover) Size _____

Pressure Buildup: Shut in 4/26 20 13 at 830 (AM) (PM) Taken 4/27 20 13 at 1150 (AM) (PM)

Well on Line: Started _____ 20 _____ at _____ (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)

OBSERVED SURFACE DATA								Duration of Shut-in _____ Hours			
Static / Dynamic Property	Orifice Size (inches)	Circle one: Motor Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						<u>90</u>					
Flow						<u>30</u>		<u>0</u>			

Plate Coefficient (F _{pl}) (F _{pr}) Mcfd	Circle one: Motor or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{dv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _w

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ ; (P_w)² = _____ ; P_d = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_w)² = 0.207 ; (P_c)² = _____

(P _c) ² - (P _w) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _w ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by: $\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}$	Backpressure Curve Slope = "n" ----- 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 April, 2013.

Witness (if any)

For Company
Garrett Cook
Checked by

For Commission

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 KWB Oil Property Management, Inc. 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 McCracken No. 1 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: 7-30-13

Signature: C. Andrew Brown

Title: PETROLEUM ENGINEER

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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.