

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- ☐ Open Flow
- ☐ Deliverability

(See Instructions on Reverse Side)

Test Date:

API No. 15 145-21515

Company 10 Cambria Corporation Lease Becker Trust Well Number 1

County Pawnee Location 1320fnl 1300fwl Section 32 TWP 23s RNG (E/W) 15w 160 Acres Attributed

Field Benson Reservoir Shawnee Gas Gathering Connection Lumen Midstream

Completion Date 9/16/07 Plug Back Total Depth 3214 Packer Set at None

Casing Size 4 1/2" Weight 10.5# Internal Diameter 4.090 Set at 3228 Perforations 3107 To 3170

Tubing Size 2 3/8" Weight 4.7# Internal Diameter 1.995 Set at 3097 Perforations To

Type Completion (Describe) Perforate Type Fluid Production None Pump Unit or Traveling Plunger? Yes / No

Producing Thru (Annulus / Tubing) Tubing % Carbon Dioxide 0.137 % Nitrogen 33.181 Gas Gravity - G_s 0.7490

Vertical Depth(H) 3170 Pressure Taps 1 1/4" (Meter Run) (Prover) Size

Pressure Buildup: Shut in 19 at (AM) (PM) Taken 19 at (AM) (PM)

Well on Line: Started 19 at (AM) (PM) Taken 19 at (AM) (PM)

OBSERVED SURFACE DATA

Static / Dynamic Property	Orifice Size inches	Circle one: Meter or Prover Pressure psig	Pressure Differential in (h) Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _f) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _f) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In											
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _p) (F _s) Mcf/d	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times H_w}$	Gravity Factor F _g	Flowing Temperature Factor F _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2 = \underline{\hspace{2cm}}$:		$(P_w)^2 = \underline{\hspace{2cm}}$:		$P_d = \underline{\hspace{2cm}}\%$		$(P_c - 14.4) + 14.4 = \underline{\hspace{2cm}}$:		$(P_s)^2 = 0.207$	
$(P_c)^2 - (P_s)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2$		Choose formula 1 or 2: 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$		LOG of formula 1. or 2. and divide by: $P_c^2 - P_w^2$		Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	
						$n \times \text{LOG} \left[\right]$		Antilog	
								Open Flow Deliverability Equals R x Antilog Mcfd	

Open Flow

Open Flow Mcf/d @ 14.65 psia Deliverability Mcf/d @ 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 day of , 19 .

Witness (if any)

For Company

For Commission

Checked by

I declare under penalty or 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 _____ and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.

I hereby request a permanent exemption from open flow testing for the _____ 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 incapable of producing at a daily rate in excess of ~~100~~ mcf/D
250

Date: _____

Signature: _____

Title: _____

Instructions: All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets 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 obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be 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.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.