

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FEB 06 2015

Type Test:

(See Instructions on Reverse Side)

- Open Flow
 Deliverability

Test Date: **JANUARY 29 2015**

API No. 15
15-033-20370-0000
CONSERVATION DIVISION
WICHITA, KS

Company RED CEDAR OIL		Lease SCHUETTE		Well Number 1	
County COMANCHE	Location E/2	Section 1	TWP 32s	Range (E/W) 16w	Acres Attributed 320
Field PERRY RANCH	Reservoir CHEROKEE MISSISSIPPI	Gas Gathering Connection ONEOK			
Completion Date 1981	Plug Back Total Depth 4894	Packer Set at			
Casing Size 4.5	Weight	Internal Diameter	Set at	Perforations 4828 To 4832 4865 4875	
Tubing Size 2.375	Weight	Internal Diameter	Set at	Perforations	To
Type Completion (Describe) SINGLE	Type Fluid Production WTR	Pump Unit or Traveling Plunger? Yes / No PUMP UNIT			
Producing Thru (Annulus / Tubing) ANNULUS	% Carbon Dioxide	% Nitrogen	Gas Gravity - G _s		

Vertical Depth(H) _____ Pressure Taps _____ (Meter Run) (Prover) Size **3x.375**

Pressure Buildup: Shut in **JANUARY 27 2015** at **6:15** (AM) (PM) Taken _____ 19 _____ at _____ (AM) (PM)

Well on Line: Started **JANUARY 29 2015** at **6:00** (AM) (PM) Taken _____ 19 _____ at _____ (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in _____ Hours

Static / Dynamic Property	Orifice Size Inches	Circ 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 _c) or (P _e)		Tubing Wellhead Pressure (P _w) or (P _c) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						120					
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _a) Mcfd	Circ 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 (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_e)² = _____ ; (P_w)² = _____ ; P_a = _____ % ; (P_e - 14.4) + 14.4 = _____ ; (P_w)² = 0.207 ; (P_o)² = _____

(P _e) ² - (P _w) ² or (P _e) ² - (P _a) ²	(P _e) ² - (P _w) ²	Choose formula 1 or 2: 1. $P_e^2 - P_w^2$ 2. $P_e^2 - P_a^2$ divided by: $P_e^2 - P_w^2$	LOG of formula 1, or 2, and divide by: $P_e^2 - P_w^2$	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 **29** day of **JANUARY 2015**, 19____.

Witness (if any)

RED CEDAR OIL LLC
For Company
DALE WALKER
Checked by

For Commission

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 RED CEDAR OIL LLC 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 SCHUETTE 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 incapable of producing at a daily rate in excess of 150 mcf/D

Date: JANUARY 29 2015

Signature: Dale Walker

Title: OPERATOR 30991

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.