

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Received: _____
KANSAS CORPORATION COMMISSION

FEB 06 2015

Type Test:

(See Instructions on Reverse Side)

- Open Flow
 Deliverability

Test Date: **JAN 19-2015**

API No. 15 **15 007 22766-0000**

CONSERVATION DIVISION
WICHITA, KS

Company RED CEDAR OIL		Lease L WAYNE DAVIS			Well Number 1	
County BARBER	Location SE	Section 2	TWP 33S	ANG (EW) 11W	Acres Attributed 160	
Field RHODES		Reservoir MISSISSIPPI		Gas Gathering Connection ONEOK		
Completion Date 2003		Plug Back Total Depth		Packer Set at		
Casing Size 4.5	Weight 10.5	Internal Diameter	Set at	Perforations 4530	To 4540	
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 3 x .375
Vertical Depth(H)		Pressure Taps			(Meter Run) (Prover) Size	

Pressure Buildup: Shut in **JAN 17 2015** at **3:30** (AM) (PM) Taken _____ 19__ at _____ (AM) (PM)
Well on Line: Started **JAN 19 2015** at **11:00** (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 _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						150					
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _o) (F _s) Mcd	Circ one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_w \times H_w}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{dv}	Metered Flow R (Mcd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ : (P_w)² = _____ : P_o = _____ % (P_c - 14.4) + 14.4 = _____ : (P_w)² = 0.207 : (P_o)² = _____

(P _c) ² - (P _w) ² or (P _f) ² - (P _w) ²	(P _w) ² - (P _o) ²	Choose formula 1 or 2: 1. P _c ² - P _w ² 2. P _f ² - P _w ² divided by: P _c ² - P _o ²	LOG of formula 1. or 2. and divide by: $\frac{P_c^2 - P_w^2}{P_c^2 - P_o^2}$	Backpressure Curve - Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog Mcd

Open Flow Mcd @ 14.65 psia Deliverability Mcd @ 14.65 psia

PO Box 221
Medicine
Locke
67104-0221

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 **19** day of **JANUARY 2015**, 19__.

RED CEDAR OIL LLC
For Company
DALE WALKER 30991
Checked by

Witness (if any) _____
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 DAVIS #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: JAN 19 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.