

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:

☐ Open Flow☒ Deliverability

Test Date:

API No. 15

JANUARY 12 2011

15.007 21362 0000

Company

RED CEDAR OIL LLC

Lease

LONG

Well Number

B1

County

BARBER

Location

CSW NE

Section

25

TWP

33S

RNG (EW)

12 W

Acres Attributed

Field

NIPAWALLA

Reservoir

MISSISSIPPI

Gas Gathering Connection

AMERICAN PIPE LINE

Completion Date

1982

Plug Back Total Depth

4758

Packer Set at

Casing Size

5.5

Weight

14

Internal Diameter

Set at

4800

Perforations

4587

To

4598

Tubing Size

2.375

Weight

4.7

Internal Diameter

Set at

4501

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_g

Vertical Depth(H)

Pressure Taps

(Meter Run) (Prover) Size

2x.375

Pressure Buildup: Shut in JANUARY 12 2011 at 4:15 (AM) (PM) Taken 19 at (AM) (PM)

Well on Line: Started JANUARY 14 2011 at 3:00 (AM) (PM) Taken 19 at (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in _____ Hours

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 _i) or (P _e) psig	Tubing Wellhead Pressure (P _w) or (P _i) or (P _e) psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						90			
Flow									

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _p) (F _o) Mcfd	Circle 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 _{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_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_j)² = 0.207(P_o)² = _____

(P _e) ² - (P _d) ² or (P _e) ² - (P _o) ²	(P _e) ² - (P _j) ²	Choose formula 1 or 2: 1. $P_c^2 - P_d^2$ 2. $P_c^2 - P_o^2$ 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" 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 14 day of JANUARY 2011, 19.

Witness (if any)

For Commission

RED CEDAR OIL LLC

For Company

Dale Walker 3099

Checked by

RECEIVED

FEB 28 2011

KCC WICHITA

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 LONG B1 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 14 2011

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.