

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow
- Deliverability

Test Date:
5/09 to 5/10/13

API No. 15
069-20314-00-00

| | | | | | |
|---|----------------------|-------------------------------|----------------|--|------------------|
| Company Falcon Exploration, Inc. | | Lease Goossen | | Well Number 1-14 | |
| County Gray | Location NENWSESE | Section 14 | TWP 28S | RNG (E/W) 30W | Acres Attributed |
| Field Renegade SE | | Reservoir Stotler | | Gas Gathering Connection Oneok | |
| Completion Date 5/14/09 | | Plug Back Total Depth 4385 | | Packer Set at none | |
| Casing Size 4.5 | Weight | Internal Diameter | Set at 4673 | Perforations 3508 | To 3514 |
| Tubing Size 2.375 | Weight | Internal Diameter | Set at 3507 | Perforations | To |
| Type Completion (Describe) single | | Type Fluid Production SW | | Pump Unit or Traveling Plunger? Yes / No no | |
| Producing Thru (Annulus / Tubing) Tubing | | % Carbon Dioxide .049 | | % Nitrogen 20.847 | |
| Vertical Depth(H) | | Pressure Taps flange | | (Meter Run) (Prover) Size 2" | |
| Pressure Buildup: Shut in 5/06 | | 20 13 at 11:00 am | | (AM) (PM) Taken 5/09 | |
| Well on Line: Started 5/09 | | 20 13 at 11:15 am | | (AM) (PM) Taken 5/10 | |

OBSERVED SURFACE DATA

Duration of Shut-in 72 Hours

| Static / Dynamic Property | Orifice Size (inches) | Circle one: Meter or 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 _t) or (P _c) | | Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) | | Duration (Hours) | Liquid Produced (Barrels) |
|---------------------------|-----------------------|--|--|-----------------------|-------------------------|--|-------|--|-------|------------------|---------------------------|
| | | | | | | psig | psia | psig | psia | | |
| Shut-In | | | | | | 795 | 809.4 | 795 | 809.4 | 72 | |
| Flow | 1.000 | 63 | 11.8 | 89 | | 709 | 723.4 | 699 | 713.4 | 24 | |

FLOW STREAM ATTRIBUTES

| Plate Coefficient (F _b) (F _p) Mcfd | Circle one: Meter or Prover Pressure psia | Press Extension $\sqrt{P_m \times h}$ | 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 |
|--|---|---------------------------------------|-------------------------------|--|----------------------------------|-----------------------|--------------------------|--------------------------------------|
| 5.073 | 77.4 | 30.22 | 1.158 | .9732 | ----- | 173 | | .746 |

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 655.128 ; (P_w)² = 523.307 ; P_d = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_a)² = 0.207 ; (P_d)² = _____

| (P _c) ² - (P _a) ² or (P _c) ² - (P _d) ² | (P _c) ² - (P _w) ² | Choose formula 1 or 2: 1. P _c ² - P _a 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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$ | Backpressure Curve Slope = "n" Assigned Standard Slope | n x LOG | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) |
|--|---|---|--|---|---------|---------|--|
| 654.921 | 131.821 | 4.968 | .6962 | .850 | .5918 | 3.91 | 676 |

Open Flow **676** Mcfd @ 14.65 psia X .50 = Deliverability **338** 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 29th day of May, 20 13.

Witness (if any)

[Signature]
CEO, INC

For Company

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 22 2013

CONSERVATION DIVISION
WICHITA, KS