Form G-2
(Rev. 7/03)

# KANSAS CORPORATION COMMISSION
# ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:
☑ Open Flow
☐ Deliverabilty

*(See Instructions on Reverse Side)*

Test Date: 7/28 to 7/29/14

API No. 15: 095-21,806-00-00

| Company | Lease | Well Number |
|---|---|---|
| Gemini Oil Co | Miles A | 8 |

| County | Location | Section | TWP | RNG (E/W) | Acres Attributed |
|---|---|---|---|---|---|
| Kingman | SWNESWNE | 30 | 27S | 10W | |

| Field | Reservoir | Gas Gathering Connection |
|---|---|---|
| Cunningham | Herington-Krider | Oneok |

| Completion Date | Plug Back Total Depth | Packer Set at |
|---|---|---|
| 12/18/01 | | none |

| Casing Size | Weight | Internal Diameter | Set at | Perforations | To |
|---|---|---|---|---|---|
| 5.5 | | | 2693 | 1522 | 1532 |

| Tubing Size | Weight | Internal Diameter | Set at | Perforations | To |
|---|---|---|---|---|---|
| 2.375 | | | 1350 | | |

| Type Completion (Describe) | Type Fluid Production | Pump Unit or Traveling Plunger? Yes / No |
|---|---|---|
| single | SW | No |

| Producing Thru (Annulus / Tubing) | % Carbon Dioxide | % Nitrogen | Gas Gravity - $G_g$ |
|---|---|---|---|
| tubing | .00 | 18.632 | .675 |

| Vertical Depth(H) | Pressure Taps | (Meter Run) (Prover) Size |
|---|---|---|
| | flange | 3" |

Pressure Buildup: Shut in 7/18 20 14 at 3:45 pm (AM) (PM) Taken 7/21 20 14 at 3:45 pm (AM) (PM)

Well on Line: Started 7/28 20 14 at 12:00 pm (AM) (PM) Taken 7/29 20 14 at 12:00 pm (AM) (PM)

**OBSERVED SURFACE DATA** Duration of Shut-in 72 Hours

| Static / Dynamic Property | Orifice Size (inches) | Circle one: Meter Prover Pressure psig (Pm) | Pressure Differential in Inches $H_2O$ | Flowing Temperature t | Well Head Temperature t | Casing Wellhead Pressure ($P_w$) or ($P_t$) or ($P_c$) psig | Casing Wellhead Pressure psia | Tubing Wellhead Pressure ($P_w$) or ($P_t$) or ($P_c$) psig | Tubing Wellhead Pressure psia | Duration (Hours) | Liquid Produced (Barrels) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Shut-In | | | | | | 287.1 | 301.5 | | | 72 | |
| Flow | .375 | 42 | 16.5 | 77 | | 251.8 | 266.2 | | | 24 | |

**FLOW STREAM ATTRIBUTES**

| Plate Coeffiecient ($F_b$) ($F_p$) Mcfd | Circle one: Meter or Prover Pressure psia | Press Extension $\sqrt{P_m x h}$ | Gravity Factor $F_g$ | Flowing Temperature Factor $F_{ft}$ | Deviation Factor $F_{pv}$ | Metered Flow R (Mcfd) | GOR (Cubic Feet/ Barrel) | Flowing Fluid Gravity $G_m$ |
|---|---|---|---|---|---|---|---|---|
| .6848 | 56.4 | 30.50 | 1.217 | .9840 | ---------- | 25 | | |

**(OPEN FLOW) (DELIVERABILITY) CALCULATIONS**

$(P_c)^2$ = 90.902 : $(P_w)^2$ = 70.862 : $P_d$ = _____ % $(P_c - 14.4) + 14.4$ = _____ : $(P_a)^2$ = 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: $P_c^2 - P_w^2$ | Backpressure Curve Slope = "n" ---or--- Assigned Standard Slope | n x LOG | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) |
|---|---|---|---|---|---|---|---|
| 90.695 | 20.04 | 4.525 | .6556 | .850 | .5572 | 3.61 | 90 |
| | | | | assigned | | | |

Open Flow 90 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 31st day of July, 20 14.

Witness (if any)

For Company

For Commission

Checked by

KCC WICHITA
AUG 07 2014
RECEIVED