

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow
- Deliverability

Test Date:
7/08 to 7/09/13

API No. 15
025-21,488-00-00

Company Falcon Exploration			Lease YBC		Well Number 1-34
County Clark	Location SENWSWNW	Section 34	TWP 30S	RNG (E/W) 22W	Acres Attributed
Field unknown <i>Cat Creek</i>		Reservoir Morrow Sand		Gas Gathering Connection Lost River	
Completion Date 12/09/09		Plug Back Total Depth 5625		Packer Set at none	
Casing Size 5.5	Weight	Internal Diameter	Set at 5640	Perforations 5330	To 5338
Tubing Size 2.375	Weight	Internal Diameter	Set at 5168	Perforations	To
Type Completion (Describe) single		Type Fluid Production none		Pump Unit or Traveling Plunger? Yes / No no	
Producing Thru (Annulus / Tubing) Tubing		% Carbon Dioxide .024		% Nitrogen 5.5196	Gas Gravity - G _g .638
Vertical Depth(H)		Pressure Taps Flange			(Meter Run) (Prover) Size 3"
Pressure Buildup: Shut in <u>7/05</u> 20 <u>13</u> at <u>10:00 am</u> (AM) (PM) Taken <u>7/08</u> 20 <u>13</u> at <u>10:00 am</u> (AM) (PM)					
Well on Line: Started <u>7/08</u> 20 <u>13</u> at <u>10:15 am</u> (AM) (PM) Taken <u>7/09</u> 20 <u>13</u> at <u>10:15 am</u> (AM) (PM)					

OBSERVED SURFACE DATA

Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (P _m)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						958	972.4	683	697.4	72	
Flow	1.250	49.5	9.2	101		858	872.4	522	536.4	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 _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
8.329	63.9	24.25	1.252	.9628	-----	243		.638

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 945.561 ; (P_w)² = 761.081 ; P_d = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_a)² = 0.207 ; (P_o)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" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
945.354	184.48	5.124	.7096	.786	.5577	3.61	877

Open Flow **877** Mcfd @ 14.65 psia X **.50** = Deliverability **438.5** 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 9th day of July, 20 13.

Witness (if any)

For Company

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 27 2013

CONSERVATION DIVISION
WICHITA, KS