

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
5/21 to 5/22/15

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 Stoller	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? no		Yes / No
Producing Thru (Annulus / Tubing) Tubing		% Carbon Dioxide .049	% Nitrogen 20.847	Gas Gravity - G _g .746	
Vertical Depth(H)		Pressure Taps flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 5/18		20 15	at 10:00 am	(AM) (PM)	Taken 5/21
Well on Line: Started 5/21		20 15	at 10:00 am	(AM) (PM)	Taken 5/22

KCC RECEIVED
MAY 28 2015
5-28-15

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 _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						679	693.4	408	422.4	72	
Flow	1.000	88	6.2	51		588	602.4	393	497.4	24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _v) (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
5.073	102.4	25.19	1.158	1.009		149		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 480.803 : (P_w)² = 362.885 : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_o)² = 0.207
(P_o)² = _____

(P _c) ² - (P _o) ² or (P _c) ² - (P _d) ²	(P _o) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _w 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" Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
480.596	117.918	4.075	.6101	.850	.5185	3.30	492

Open Flow 492 Mcfd @ 14.65 psia X .50 = Deliverability 246 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 22nd day of May, 20 15.

Witness (if any)

For Commission

Gary L. ...
 For Company
 CEM, INC.
 Checked by