

# KANSAS CORPORATION COMMISSION

## ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

AUG 25 2014

Type Test:

(See Instructions on Reverse Side)

CONSERVATION DIVISION  
WICHITA, KS

- Open Flow  
 Deliverability

Test Date:  
8/07 to 8/08/14

API No. 15  
025-21,508-00-00

Company Falcon Exploration		Lease Swayze		Well Number 1-17	
County Clark	Location 330FSL & 2410FEL	Section 17	TWP 30S	RNG (E/W) 22W	Acres Attributed
Field Swayze		Reservoir Inola		Gas Gathering Connection Lost River	
Completion Date 10/26/10		Plug Back Total Depth 6552		Packer Set at none	
Casing Size 5.5	Weight	Internal Diameter	Set at 6556	Perforations 5302	To 5307
Tubing Size 2.875	Weight	Internal Diameter	Set at 5270	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 .0000		% Nitrogen 6.418	
Vertical Depth(H)		Pressure Taps flange		(Meter Run) (Prover) Size 3"	
Pressure Buildup: Shut in 8/04		20 14 at 9:15 am		(AM) (PM) Taken 8/07	
Well on Line: Started 8/07		20 14 at 9:30 am		(AM) (PM) Taken 8/08	

**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 <sub>2</sub> O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						899	913.4	640	654.4	72	
Flow	1.000	23	16.1	74		845	859.4	608	622.4	24	

**FLOW STREAM ATTRIBUTES**

Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F <sub>g</sub>	Flowing Temperature Factor F <sub>t</sub>	Deviation Factor F <sub>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>
4.912	37.4	24.54	1.236	.9868	-----	147		.655

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

(P<sub>a</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> = \_\_\_\_\_

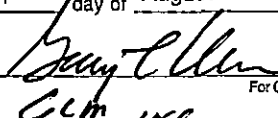
(P<sub>c</sub>)<sup>2</sup> = 834.299 : (P<sub>w</sub>)<sup>2</sup> = 738.568 : P<sub>d</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ :

(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	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)
834.092	95.731	8.713	.9402	.850	.7992	6.30	926

Open Flow 926 Mcfd @ 14.65 psia X .50 = Deliverability 463 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 19th day of August, 20 14.

\_\_\_\_\_  
Witness (if any)  
  
\_\_\_\_\_  
For Commission

  
For Company  
G.C.M., INC.  
Checked by \_\_\_\_\_