

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

Type Test:

- Open Flow  
 Deliverability

Test Date: 02/03 to 02/04/10      API No. 15  
025-21,485-00-00

Company Falcon Exploration		Lease YBC		Well Number 1-28 (SW)	
County Clark	Location NENESEW	Section 28	TWP 30S	RNG (E/W) 22W	Acres Attributed
Field Cat Creek North		Reservoir Miss.		Gas Gathering Connection Lost River	
Completion Date 10/29/09		Plug Back Total Depth 5428		Packer Set at none	
Casing Size 5.5	Weight 15.5	Internal Diameter	Set at 5469	Perforations 5332	To 5345
Tubing Size 2.375	Weight 4.7	Internal Diameter	Set at	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 .1386		% Nitrogen 5.8649	
Gas Gravity - G <sub>g</sub> .643		Vertical Depth(H) flange		Pressure Taps (Meter Run) (Prover) Size 3"	
Pressure Buildup: Shut in 01/31 20 10 at 10:45 am (AM) (PM) Taken 02/03 20 10 at 10:45 am (AM) (PM)					
Well on Line: Started 02/03 20 10 at 11:00 am (AM) (PM) Taken 02/04 20 10 at 11:00 am (AM) (PM)					

### 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 <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						1486	1500.4	1391	1405.4	72	
Flow	1.500	656	2.2	82		1120	1134.4	1054	1068.4	24	0

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>s</sub> ) (F <sub>a</sub> ) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_w \times h}$	Gravity Factor F <sub>g</sub>	Flowing Temperature Factor F <sub>t</sub>	Deviation Factor F <sub>pr</sub>	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>g</sub>
11.41	670.4	38.40	1.247	.9795	1.046	560		.643

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

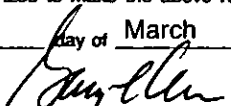
(P<sub>c</sub>)<sup>2</sup> = 2251.200 ; (P<sub>w</sub>)<sup>2</sup> = 1286.863 ; P<sub>g</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ ; (P<sub>w</sub>)<sup>2</sup> = 0.207 ; (P<sub>g</sub>)<sup>2</sup> = \_\_\_\_\_

(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>g</sub> ) <sup>2</sup>	(P <sub>w</sub> ) <sup>2</sup> - (P <sub>g</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>g</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 <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Backpressure Curve Slope = "m" or Assigned Standard Slope	n x LOG [ ]	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
2250.993	964.337	2.334	.3681	.682	.2510	1.78	996

Open Flow 996 Mcfd @ 14.65 psia X .50 = Deliverability 498 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 12th day of March, 2010.

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

  
\_\_\_\_\_  
For Company  
Checked by

RECEIVED  
APR 15 2011  
KCC WICHITA

**FALCON EXPLORATION, INC.**  
**OIL & GAS EXPLORATION**

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WICHITA, KANSAS 67202

TELEPHONE: (316)262-1378  
FAX: (316)265-3354

April 14, 2011

Kansas Corporation Commission  
130 S. Market, Room 2078  
Wichita, Kansas 67202-3802

Re: YBC #1-28(SW)  
Clark County, Kansas

Gentlemen:

Enclosed please find the initial one point open flow (form G-2) and multipoint back pressure test (Form CG-1) performed on the above captioned well. Please be advised this well is currently being held "**CONFIDENTIAL**".

Sincerely,

FALCON EXPLORATION, INC.



Cynthia L. Wolf

clw  
Encl.

RECEIVED  
APR 15 2011  
KCC WICHITA