

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

FORM G-2  
(Rev. 8/98)

TYPE TEST:

- Open Flow  
 Deliverability

TEST DATE: 8/18/10 API No. 15-097-21625-00-00

Company Roberts Resources, Inc.		Lease Smith-Paxton			Well Number A-1	
County Kiowa	Location 2640'SL&660'EL	Section 33-30S-18W	TWP RNG(E/W)	Acres Attributed 320		
Field Alford	Reservoir Altamont	Gas Gathering Connection Oneok				
Completion Date 2/20/08	Plug Back Total Depth 5396	Packer Set at none				
Casing Size 5.500	Weight 15.500	Internal Diameter 5.000	Set at 5718	Perforations 4838	To 4842	
Tubing Size 2.375	Weight 4.700	Internal Diameter 1.995	Set at 4811	Perforations	To	
Type Completion (Describe) Single	Type Fluid Production Water	Pump Unit or Traveling Plunger? none				
Producing Thru(Annulus/Tubing) Tubing	% Carbon Dioxide 0.036	% Nitrogen 5.199		Gas Gravity- Gg 0.696		
Vertical Depth (H) 4840	Pressure Taps Flange	Meter Run Size 2.067				
Pressure Buildup: Shut in	8/16/10	TAKEN		1PM		
Well on Line: Started	8/17/10	TAKEN		1PM		

**OBSERVED SURFACE DATA**

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H <sub>2</sub> O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P <sub>w</sub> ) (P <sub>c</sub> ) (P <sub>d</sub> )		Tubing WellHead Press. (P <sub>w</sub> ) (P <sub>c</sub> ) (P <sub>d</sub> )		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in						90	104	65	79	24.0	
Flow	0.500	50.0	3.00	78	70	60	74	50	64	24.0	

**FLOW STREAM ATTRIBUTES**

COEFFICIENT (F <sub>b</sub> ) Mcf/d	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcf/d	GOR	G <sub>m</sub>
1.219	64.4	13.90	1.1987	0.9831	1.0056	20		0.696

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

(P<sub>c</sub>)<sup>2</sup> = 10.9      (P<sub>w</sub>)<sup>2</sup> = 5.5      P<sub>d</sub> =      %      (P<sub>c</sub> - 14.4) + 14.4 =      (P<sub>a</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> =

$(P_c)^2 - (P_a)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$ or $\frac{(P_c)^2 - (P_d)^2}{(P_c)^2 - (P_w)^2}$	LOG	Backpressure Curve Slope "n" ---- or ---- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcf/d
10.69	5.36	1.993	0.2996	0.685	0.2052	1.604	32

OPEN FLOW      32      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 herein and that said report is true and correct. Executed this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

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

RECEIVED

JAN 11 2011

KCC WICHITA

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

I declare under penalty or perjury under the laws of the state of Kansas that I am authorized to request exempt status under rule K.A.R. 82-3-304 on behalf of the operator Roberts Resources, Inc.

and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.

I hereby request a permanent exemption from open flow testing for the Smith-Paxton gas well on the grounds that said well:

(check one)

- is a coalbed methane producer
- is cycled on plunger lift due to water
- is a source of natural gas for injection into an oil reservoir undergoing ER
- is on vacuum at the present time; KCC approval Docket No. 1/8/11
- is incapable of producing at a daily rate in excess of 250 mcf/D

Date: 1/10/11

Signature: Kent Roberts  
Title: President

**Instructions:**

All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under "observed surface data." Shut-in pressure shall thereafter be reported yearly in the same manner.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.