

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev. 8/98)

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 10/8/10 API No. 15-057-20562-00-00

Company Roberts Resources, Inc.		Lease Kirkpatrick			Well Number 1-11	
County Ford	Location SWSWSE	Section 11-28S-21W	TWP .	RNG (E/W) .	Acres Attributed 320	
Field Pleasant Valley	Reservoir Mississippi	Gas Gathering Connection Oneok				
Completion Date 6/2002	Plug Back Total Depth 5099	Packer Set at 4953				
Casing Size 5.500	Weight 15.500	Internal Diameter 5.000	Set at 5099	Perforations 4963	To 4996	
Tubing Size 2.375	Weight 4.700	Internal Diameter 1.995	Set at 5131	Perforations	To	
Type Completion (Describe) Single	Type Fluid Production Water	Pump Unit or Traveling Plunger?				
Producing Thru (Annulus/Tubing) Tubing	% Carbon Dioxide 0.140	% Nitrogen 7.334		Gas Gravity- Gg 0.658		
Vertical Depth (ft) 4996	Pressure Taps Flange	Meter Run Size 2.069				
Pressure Buildup: Shut in	10/6/10	TAKEN		12 PM		
Wall on Line: Started	10/7/10	TAKEN		12 PM		

OBSERVED SURFACE DATA

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H ₂ O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P _w) (P _t) (P _c)		Tubing WellHead Press. (P _w) (P _t) (P _c)		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in								102	116	24.0	
Flow	0.375	45.0	74.00	64	64			45	59	24.0	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcfd	GOR	G _m
0.709	59.4	66.30	1.2328	0.9962	1.0048	58		0.658

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P_c)² = 13.5 (P_w)² = 3.6 Pd = & (P_c - 14.4) + 14.4 = (Pa)² = 0.207
(Pd)² =

$(P_c)^2 - (P_a)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_w)^2}$ 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 Mcfd
13.34	9.92	1.345	0.1287	0.988	0.1271	1.340	77

OPEN FLOW 77 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 Kirkpatrick 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. _____
- 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.