

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

Test Date:
9/23/14

API No. 15
15-007-24172-00-00

Company Roberts Resources, Inc.		Lease Robert G Larson		Well Number 1-27	
County Barber	Location W/2 NW SE SW	Section 27	TWP 31	RNG (E/W) 13W	Acres Attributed 120
Field Viola		Reservoir Viola		Gas Gathering Connection Oneok	
Completion Date 8/1/2014		Plug Back Total Depth 4640		Packer Set at None	
Casing Size 5.5	Weight 15.5	Internal Diameter 4640	Set at 4640	Perforations 4461	To 4472
Tubing Size 2.375	Weight 4.6	Internal Diameter 4576	Set at 4576	Perforations	To
Type Completion (Describe) Single		Type Fluid Production Salt Water		Pump Unit or Traveling Plunger? Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide 0.029		% Nitrogen 13.578	
Vertical Depth(H) 4461		Pressure Taps		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 9/23 20 14 at _____ (AM) (PM) Taken 9/24 20 14 at _____ (AM) (PM)					
Well on Line: Started _____ 20 _____ at _____ (AM) (PM) Taken _____ 20 _____ at _____ (AM) (PM)					

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter 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 ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						880.6					
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (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 _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
						241		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

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

(P _c) ² - (P _a) ² or (P _c) ² - (P _o) ²	(P _e) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a 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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	Backpressure Curve Slope = "n" ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)

Open Flow 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 therein, and that said report is true and correct. Executed this the 12th day of December, 2014.

KCC WICHITA

DEC 15 2014

Kent Roberts
For Company

Witness (if any)

For Commission

RECEIVED!

Checked by

I declare under penalty of 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 and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.

I hereby request a one-year exemption from open flow testing for the Robert G Larson #1-27 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 not capable of producing at a daily rate in excess of 250 mcf/D

I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.

Date: 12/12/14

Signature: Kent Roberts

Title: President

Instructions: If a gas well meets one of 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 claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been 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 for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.

ROBERTS RESOURCES, INC.

LEASE:		Robert G Larson		MONTH:		oct		2014		PURCHASER				
D A T E	GAS SALES MCF	TANK		TANK		water				COUNTY	STATE KANSAS			
		NUMBER	SIZE	NUMBER	SIZE	NUMBER	SIZE							
			200		200		200			WELL REPORT				
BEG		GUAGE	BBLs	GUAGE	BBLs	GUAGE	BBLs	TOTAL	BBLs OIL	WELL #	POUND	HOURS	%	STROKE
								DAILY	CUMULATIVE		YES/NO	ON	WATER	LGT/SPM
1	135		0.00		0.00	3	7	5.01	5.01					
2	135		0.00		0.00	3	10	5.01	5.01					
3	130		0.00		0.00	4	0	3.34	3.34					
4	130		0.00		0.00	4	2	3.34	3.34					
5	113		0.00		0.00	4	5	5.01	5.01					
6	127		0.00		0.00	4	9	6.68	6.68					
7	110		0.00		0.00	5	0	5.01	5.01					
8	113		0.00		0.00	5	3	5.01	5.01					
9	112		0.00		0.00	5	5	3.34	3.34					
10	116		0.00		0.00	5	7	3.34	3.34					
11	117		0.00		0.00	5	9	3.34	3.34					
12	106		0.00		0.00	5	11	3.34	3.34					
13	106		0.00		0.00	6	1	3.34	3.34					
14	107		0.00		0.00	6	3	3.34	3.34					
15	107		0.00		0.00	6	5	3.34	3.34					
16	105		0.00		0.00	6	7	3.34	3.34					
17	109		0.00		0.00	6	9	3.34	3.34					
18	109		0.00		0.00	6	11	3.34	3.34					
19	105		0.00		0.00	7	1	3.34	3.34					
20	103		0.00		0.00	7	3	3.34	3.34					
21	100		0.00		0.00	7	5	3.34	3.34					
22	100		0.00		0.00	7	7	3.34	3.34					
23	100		0.00		0.00	7	10	5.01	5.01					
24	98		0.00		0.00	8	1	5.01	5.01					
25	99		0.00		0.00	8	4	5.01	5.01					
26	99		0.00		0.00	8	7	5.01	5.01					
27	99		0.00		0.00	8	10	5.01	5.01					
28	84		0.00		0.00	9	2	6.68	6.68					
29	84		0.00		0.00	2	8	0.00	0.00					
30	102		0.00		0.00	3	1	8.35	8.35					
31	89		0.00		0.00	3	3	3.34	3.34					
3355 Total Gas Sales														
RUN TICKET READINGS														
TANK#	DATE	TICKET#	OPENING	CLOSING	GVTY	TEMP			BARRELS					
									0.00					
									0.00					
									0.00					
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TOTAL									0.00					

KCC WICHITA
 DEC 15 2014
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SIGNATURE

