

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow
 Deliverability

Test Date:
6/20/14

API No. 15
15-155-20535-00-00

Company Allam Production Inc.		Lease Clarence Haines		Well Number 1	
County Reno	Location NWNWSE	Section 4	TWP 25S	RNG (E/W) 4W	Acres Attributed 80
Field South Yoder		Reservoir Mississippi	Gas Gathering Connection American Energies Pipeline LLC		
Completion Date 10-23-78		Plug Back Total Depth 3600	Packer Set at		
Casing Size 5.5"	Weight 14 lb	Internal Diameter 5.012	Set at 3930	Perforations 3576	To 3580
Tubing Size 2 7/8"	Weight 6.5 lb	Internal Diameter 2.441	Set at 3590	Perforations 3575	To 3578
Type Completion (Describe) Perforated		Types Fluid Production SW oil	Pump Unit or Traveling Plunger? Yes / No pump unit		
Producing Thru (Annulus / Tubing) annulus		% Carbon Dioxide .1114	% Nitrogen 3.0330	Gas Gravity - G _g .6891	
Vertical Depth(H) 3580		Pressure Taps flange		(Meter Run) (Prover) Size meter run	
Pressure Buildup:	Shut in 6-15	20 14	at 8:30 am	(AM) (PM) Taken 6-16	20 14
					at 8:30 am (AM) (PM)
Well on Line:	Started 6-16	20 14	at 8:35 am	(AM) (PM) Taken 6-16	20 14
					at 12:30 pm (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 _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in	.375	50	6	60	80	210	224.65	20	34.65	24	195
Flow	.375	50	6	60	80	50	64.65	20	34.65	24	195

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _a) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207
(P_d)² = _____

(P _a) ² = _____	(P _w) ² = _____	P _d = _____ %	(P _c - 14.4) + 14.4 = _____	(P _d) ² = _____
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _a) 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: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" ----- or----- Assigned Standard Slope
				n x LOG []
				Antilog
				Open Flow Deliverability Equals R x Antilog (Mcfd)

Open Flow Mcfd @ 14.65 psia Deliverability 428 Mcfd @ 14.65 psia 14.27

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 22nd day of September, 20 15.

W.R. Allam
Witness (if any)

Received
KANSAS CORPORATION COMMISSION
Allam Production Inc.
For Company

SEP 23 2015

For Commission

CONSERVATION DIVISION
WICHITA, KS

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 Allam Production Inc by WR Allam 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 Clarence Haines 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: 9/22/2015

Signature: 

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.

400 E. 19th St.
Wichita, KS 67202