

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

Test Date:
07/11/12

API No. 15
15-077-21585-00-01

(See Instructions on Reverse Side)

Company AGV Corp.		Lease Thomas			Well Number A-1
County Harper	Location 430 FNL / 2230 FEL	Section 6	TWP 33	RNG (E/W) 8 W	Acres Attributed
Field Sullivan South		Reservoir Stalnaker		Gas Gathering Connection West Wichita	
Completion Date 03/07/2012		Plug Back Total Depth 4312		Packer Set at	
Casing Size 5-1/2	Weight 14	Internal Diameter	Set at 4496	Perforations 3668	To 3672
Tubing Size 2-7/8	Weight	Internal Diameter	Set at 3651	Perforations	To
Type-Completion (Describe) Single		Type-Fluid-Production Water		Pump-Unit-or-Traveling-Plunger? Yes / No Flowing	
Producing Thru (Annulus / Tubing) Tubing		% Carbon Dioxide		% Nitrogen	
Vertical Depth(H) 3651		Pressure Taps		(Meter Run) (Prover) Size	
Pressure Buildup: Shut in 07/09 20 12 at 11 AM (AM) (PM) Taken 07/10 20 12 at 11 AM (AM) (PM)					
Well on Line: Started 07/10 20 12 at 11 AM (AM) (PM) Taken 07/11 20 12 at 11 AM (AM) (PM)					

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or 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 _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						852.4		112.6		24	
Flow						238.6		42.4		24	8.52

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _d) 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
						17.6		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_a)² = 0.207
(P_o)² =

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

(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²	(P _c) 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 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 11th day of July, 20 12

Witness (if any)

For Commission

Ken Roberts
For Company

Checked by

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KCC WICHITA

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 AGV Corp.

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 Thomas A-1 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: July 11, 2012

Signature: *Ken Roberts*

Title: Lease Operations Manager

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.

AGV CORP

YEAR	MONTH	Days	Oil		Oil Annual	Oil Cum.	Gas/MCF		Gas/MCF Annual	Gas/MCF Cum.	Water Monthly	Comments	
			Monthly	AVG / Day			Monthly	Avg / Day					
2007	January			#VALUE!				#VALUE!					
	February												
	March												
	April												
	May												
	June												
	July												
	August												
	September							279					
	October							1,384					
	November							6,367					
	December					0.00	0.00	2,494		10,524	10,524		
2008	January							1,453					
	February							4,162					
	March							3,739					
	April							2,626					
	May							1,986					
	June							1,730					
	July							2,227					
	August							1,965					
	September							1,619					
	October							1,187					
	November							1,167					
	December					0.00	0.00	928		24,789	35,313		
2009	January							48					
	February							216					
	March							157					
	April							1,166					
	May							1,451					
	June							1,878					
	July							1,114					
	August							1,204					
	September							2,269					
	October							3,328					
	November							2,579					
	December					0.00	0.00	3,722		19,132	54,445		
2010	January							2,784					
	February							1,371					
	March							1,650					
	April							270					
	May							438					
	June							475					
	July	31	3.34	0.11				1,035	33				
	August	31	11.69	0.38				2,876	93				
	September	30	20.04	0.67				3,848	128				
	October	31	18.37	0.59				4,108	133				
	November	30	11.69	0.39				3,835	128				
	December	30	11.69	0.39	76.82	76.82		2,598	87	25,288	79,733		
2011	January	31	11.69	0.38				3,318	107				
	February							909					
	March	31	5.01	0.16				1,298	42			Pump slipping?. Pressure tubing to 600 and fall to 100 in 1 minute. Wait on rig	
	April							689					
	May							2,166					
	June							2,256					
	July	31	5.01	0.16				3,047	98				
	August	23	0.00	0.00				1,218	53			8/2 Clutch, 8/6 shut down leak, 8/30 Belts blown	
	September	27	73.48	2.72				1,066	39			down belts	
	October	29		0.00				1,684	58			10/30 Belts blown	
	November	30		0.00				2,288	76				
	December	31		0.00		95.19	172.01	453	15	20,392	100,125		

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AGV CORP

Year	Month	Days	Cost	Hours	Production	Inventory	Notes	
2012	January						Off for month	
	February	28	11.69	0.42	1,593	57		
	March	20	0.00	0.00	1,429	71	Recompleted in Stalnaker Sd. On 3/12/12. Shut in 3/30 for 24 hr test.	
	April	30		0.00	1,813	60		
	May	31	0.00	0.00	1,254	40		
	June							
	July						Shut in 24 hrs for State Test.	
	August							
	September							
	October							
	November							
	December			11.69	183.70		6,089	106,214
2013	January							
	February							
	March							
	April							
	May							
	June							
	July							
	August							
	September							
	October							
	November							
	December			0.00	183.70		0	106,214
	January							
	February							
	March							
	April							
	May							
	June							
	July							
	August							
	September							
	October							
	November							
	December			0.00	183.70		0	106,214
	January							
	February							
	March							
	April							
	May							
	June							
	July							
	August							
	September							
	October							
	November							
	December			0.00	183.70		0	106,214
	January							
	February							
	March							
	April							
	May							
	June							
	July							
	August							
	September							
	October							
	November							
	December			0.00	183.70		0	106,214

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