KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: . Open Flow					(See Instructions on Reverse Side) Test Date: API No. 15							
Del	liverabi	lty							15	11920498 -	20- <i>00</i>	
Company Pan Gas Storage Company LLC					Lease Friesen	l				Well Number •2 −3		
County Location			Section		TWP 33S	- ' '			Acres Attributed			
Meade NE NW SE			V SE NE				28W				RECEIVED	
Field Borchers North			Reservoir Mississi			Gas Gathering Conr DCP Mids						
Completion Date 12/13/81					Plug Back Total Dep 5720		ih		Packer Set at none			AUG 3 1 201
Casing Size 5.5			Weight 17	nt	Internal Diameter 4.892		Set at 5751		Perforations 5652		то 5708	KCC WICHIT
Tubing Size			Weigi	ht	Internal Diameter		Set at		Perfe	orations	То	
Type Completion (Describe) - Single (Gas) Producing This Annulus / Tub			escribe)		n	Pump Unit or Traveling Plu				/ ®		
Producing)1mg	Ann	www./Tubin	in)		twater			% Nitro	lowing	Gas Gre	avity - G _a
			ididd y iddii	197	70 C	aroon brox			70 1410	gun	Gas Git	ivity - G _g
Vertical D	ep.	,				Pres	ssure Taps				(Meter F	Run) (Prover) Size
Pressure	Duilde	<u>.</u>	Shut in 7/2	23 ,	0_12_at_9	:30 AM	(AM) (DM)	Tokon 7/	26	20	12 _{at} 9:30 Al	M (AM) (BM)
	•	ρ: ε	Started 7/2	4 28 -	0 12 at 9						12 _{at} 10:30 /	
Well on L	ine:		Started	2	0 ar		. (AM) (PM)	laken <u>o</u>		20	at	(AM) (PM)
						OBSERV	ED SURFAC	E DATA			Duration of Shut-i	in Hours
Static / Dynamic Property	Dynamic Size		Meter Differ		Flowing Well Head Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Welthead Pressure (P_w) or (P_t)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In			psig (Pm)	Inches H ₂ 0			psig 318	98la 332.4			over 24 hrs	
Flow							153	167.4			24	
		!		<u></u>	<u>, </u>	FLOW ST		RIBUTES	I		<u> </u>	
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P _m x h	Gravity Factor F _g		Flowing Temperature Factor F _{rt}	Fa	iation ictor pv	Metered Flo R (Mcfd)	w GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_m
										110		
					(OPEN FL	OW) (DELI	VERABILIT	Y) CALCUL	ATIONS		(P) ²	² = 0.207
(P _c) ² =		_:_	(P _w) ²	=:	P _d =		_% (P _c - 14.4) +	14.4 = _	<u> </u>	(P _a)	
(P _c) ² - (or (P _c) ² - (P _a)²	(P	P _c) ² - (P _w) ²	1. P _c ² - P _c ² 2. P _c ² - P _c ² divided by: P _c ² - P _c	LOG of formula 1. or 2. and divide	P.2. P.2	Sk	essure Curve ppe = "n" or or ssigned dard Slope	пх	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flo]			Mcfd ๋ @ 14	.65 psia		Delivera	bility			Mcfd @ 14.65 psi	а
		inna	d suthering			states that		-	o maka	the above re-	ort and that he ha	
		-		said report is tru				101h		August	or and that he ha	, 20 <u>12</u> .
								La	ny	J. D.	vkris,	PE
			Witness	(if any)					0	O For	Company	
			For Com	mission						Che	icked by	

AUG 3 1 2012

	KCC WICHITA
	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Pan Gas Storage Company LLC
and that the foreg	poing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records
I hereby reque	allation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the Friesen 2-3
gas well on the gr	ounds that said well:
	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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: August 20,	2012
	Signature: Lary Derkers, PE Title: Principal Petroleum Engineer

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.

PAN GAS STORAGE COMPANY LLC 5051 Westheimer Rd Houston, Texas 77056 Room 1540

August 20, 2012

Jim Hemmen KCC Production Department Kansas Corporation Commission Finney State Office Building 130 S. Market, Room 2078 Wichita, KS 67202-3802 RECEIVED

AUG 3 1 2012

KCC WICHITA

RE: G-2 Forms for the Nichols "A"1-2 and the Friesen 2-3 Gas Wells

Dear Mr. Hemmen:

Please find enclosed G-2 forms for the following wells:

Nichols "A" 1-2 gas well, Sec 2-33S-28W, Meade County, API No. 15119-10119 Friesen 2-3 gas well, Sec 3-33S-28W, Meade County, API No. 15119-20498

We are requesting a one year exemption from flow testing on both wells as neither well is capable of producing at a daily rate in excess of 250 Mcf/d.

v

If there are any questions or additional information is required, please contact me at the numbers listed below or by e-mail.

Respectfully,

Larry Johlems, PE

Principal Petroleum Engineer

713-989-7484

713-989-1135 fax

Larry.jenkins@sug.com

Word/KCC G-2 Cover letter 2012.doc

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