Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:					(See instr	uction	s on Rev	erse Side)							
✓ Op	en Flo	W				Tost Date					A DI	N= 15						
Del	Deliverabilty						Test_Date: 8/27/14					API No. 15 15-007- 23550 00,971 - 0000						
Company Petrole		rop	erty Serv	ices	, Inc.				Lease Barkley		***************************************			1	Well Nu	ımber		
County Barber					Section 16			TWP 32S		RNG (E/W) 14W				Attributed				
Field Stumph	ı					Reservoir Mississ					Gas Gai	hering Cark LLC	onne	ction	.,			
Completic	Completion Date 08/01/78					Plug Back 4550		epth				Set at						
Casing SI 5.5						Internal Diameter 5"			Set a 4644		Perforations 4562			то 4572				
Tubing Si 2.375	ubing Size Weight					Internal Diameter 2"			Set at 4560		Perforations 4550		To 4560					
Type Con Single (escribe)		***************************************	Type Fluid Water	d Product	tion	Pump Yes			p Unit or Traveling Plunger? Yes / No						
Producing Casing	Producing Thru (Annulus / Tubing) Casing					% C 0.13	arbon Di	oxide	% Nitrog 1.18			ogen Gas 6 8 4 0.63			Gravily - G _g			
Vertical Depth(H)					Pressure Taps							-	(Meter I	Run) (P	rover) Size			
4644				·····			~~~	~	Тар]	4.076		,		
Pressure														_14 _{at} 2,15				
Well on L	ine:	;	Started		2	D at		(A	M) (PM)	Taken			. 20 .	at		(AM) (PM)		
							OBSER	VED S	SURFACE	DATA			[Duration of Shut-	in_24	Hours		
Static / Dynamic Property	Orifi Siz (Inch	Ze Prover Press		- 11	Pressure Differential in	Flowing Temperature	Well Hea Temperati		Casing Wellhead Pressu (P,) or (P,) or (P		Wellhe	ubing ad Pressure (P ₁) or (P _c)		Duration (Hours)	Liqui	d Produced Barrels)		
	- (tinesi	Ba)	psig (Pm)	1	Inches H ₂ 0	1	1	-	gleq	psia	psig	psia			-			
Shut-In Flow				_					180	194 4		-	\dashv		-			
							FLOWS	TREA	M ATTR	B)ITES	<u></u>				<u></u>			
Plate Coeffied (F _b) (F Mold	ient ,)	Cucle and, Meter or Prover Pressure psia			Press Extension Pmxh	Fact	Gravity Factor F _g		lowing perature actor F ₁₁	Dev Fa	ialion ictor pv	Metered Flow R (Mcfd)		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m		
		,													,			
(P _c)² =		_:	(P)²:	=	:	(OPEN FLO		.IVER %		CALCUL - 14.4) +			:	(P _s) (P _s)	a = 0.2 z =	207		
$(P_e)^2 - (P_a)^2$ or $(P_e)^2 - (P_d)^2$		(P _c)² - (P _w)²		Choosa tormula 1 or 2: 1. P _e ² -P ₄ ² 2. P _p ² -P _d ² divided by: P _e ² -P _p ²		LOG of formula 1. or 2 and divide p 2_ s		Slope 		ssure Curve 18 = "n" or signed ard Slope	i i	roe		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)			
					T C W													
Open Flo					Mcfd @ 14.	65 nela			Deliverab	ility	1			Açid @ 14,65 ps	la			
		lana	S nulhamby			·	taine it-					ha abarr				utadas af		
			authority, on, and that s							thorized 1	day of		repor tober	t and that he ha		20 <u>14</u> .		
							_			7	K							
			Witness	(if any))					<u> </u>	()		For Co	этралу		-		

OCT 0 9 2014

Commence of the commence of th	
I declare under penalty of perjury under the laws of the state of Kansas that I am author	
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Property Serv	ices, Inc.
and that the foregoing pressure information and statements contained on this application f	orm are true and
correct to the best of my knowledge and belief based upon available production summaries a	r d lease records
of equipment installation and/or upon type of completion or upon use being made of the gas w	ell herein named.
I hereby request a one-year exemption from open flow testing for the Barkley #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 deen	ned by Commission
staff as necessary to corroborate this claim for exemption from testing.	
_{D-1-} 10/15/14	
Date:	
Λ	
//	
Signature:	
Title: Vice-President	<u> </u>
U	
	<u></u>

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-5-304, 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.