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Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:				((See Instruct	tions on Re	everse Side	∍)			
	n Flow			Test Date	ə:			·. API	No. 15		
Deli	verability	4hr Sha	d In Test	1/30/13			***************************************	15-	077-21563 -		·
ompany	Warrior					Lease Bertha				#1-29	Well Number
ounty larper		Locat C-S/2-l		Section 29		TWP 32S		RNG (E/	W)	:	Acres Attributed
eld		outheast		Reservoi Mississ	and the second second			Gas Gat	hering Conne	ection	.:
ompletion 0/10/06	n Date		,	Plug Bac 4617'	k Total Dept	th		Packer S	let at		
asing Siz	sing Size Weight /2 15.5		Internal Diameter 4.950		Set at 4625 '		Perforations 4398'		то 4402'		
ubing Siz 3/8	ping Size Weight 4.70		Internal Diameter 1.995		Set at 4400'		Perforations		То		
ype Comp Sas & oi	pletion (D	escribe)	•		d Production			Pump Ur No	it or Traveling	Plunger? Yes	/ No
Producing ubing	Thru (An	nulus / Tubin	g)	% C	Carbon Dioxi	de		% Nitrog	en	Gas Gr	ravity - G _g
ertical De	epth(H)				Pres	sure Taps		,		(Meter	Run) (Prover) Size
ressure E	Buildup:	Shut in 01/	30 a	0_13 at 1	2:52PM	(AM) (PM)	Taken 0	1/31	20	13 _{at} 12:38F	PM (AM) (PM)
Vell on Lir	ne:	Started	· 2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
					OBSERVE	D SURFAC	E DATA			Duration of Shut-	in 24 Hou
Static / ynamic roperty	Orifice Size (inches)	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	(P _w) or (F	Pressure	Wellhea (P _w) or	ubing ad Pressure (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In				,		psig 280 ·	psia	psig	psia .	-	
Flow	:					60					
					FLOW STR	EAM ATTR	IBUTES			,	
Plate Coeffiecie (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure psia	Press Extension - ✓ P _m x h	Grav Faci F _c	tor	Flowing emperature Factor F ₁₁	Fa	iation ctor :	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity
°c)2 =	:	(P _w) ² =		(OPEN FLO	OW) (DELIVI) CALCUL P _c - 14.4) +			(P _a):	² = 0.207 ² =
(P _c) ² - (P _a or (P _c) ² - (P _d		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	Slop As	ssure Curve pe = "n" - or signed ard Slope	nxL	og 📗	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
('c/ ('d								-			
· · · · · · · · · · · · · · · · · · ·						1 .		ı			
			Mcfd @ 14	85 neia		Delivorab	ility			Actd @ 14 GE noi	
pen Flow			Mcfd @ 14.	· · · · · · · · · · · · · · · · · · ·		Deliverab				Mcfd @ 14.65 psi	
pen Flow The un	dersigned		behalf of the	Company, s		e is duly au	ithorized to	NI	e above repor	Mcfd @ 14.65 psi	s knowledge of
pen Flow The un	dersigned			Company, s		e is duly au	ithorized to				
pen Flow The un	dersigned		n behalf of the	Company, s		e is duly au	ithorized to	NI	e above repor		s knowledge of

l dealara undar nana	ity of pariury under the	e laws of the state of I	Kansas that Lam auth	porized to request
		*		ionzed to request
exempt status under Rule	· ·			
and that the foregoing pr			• •	
correct to the best of my k	nowledge and belief b	ased upon available p	roduction summaries	and lease records
of equipment installation a	• • • • • • • • • • • • • • • • • • • •	•		vell herein named.
I hereby request a on	e-year exemption from	open flow testing for the	ne Bertha #1-29	· · · · · · · · · · · · · · · · · · ·
gas well on the grounds t	nat said well:			• .
			,	
(Check one)				
is a co	albed methane produc	er	· ·	
is cycl	ed on plunger lift due t	o water	•	
is a so	urce of natural gas for	injection into an oil res	servoir undergoing EF	}
is on v	acuum at the present t	ime; KCC approval Do	cket No	
✓ is not	capable of producing a	at a daily rate in exces	s of 250 mcf/D	
	,			
I further agree to sup	ply to the best of my a	bility any and all suppo	orting documents dee	med by Commission
staff as necessary to con	oborate this claim for	exemption from testing	g.	
•		·	•	
44/05/0040				
Date: 11/05/2013				
		•	:	
		\bigcap	1	• . •
		X /)	1.	
	Signa	ture: XVIIII	legase	
		Title: PRODUCTION	ASSISTANT	

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.

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