KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:						(See Instru	ictions on Rev	erse Side	9)				
□ o	pen Fl	0W												
D	elivera	bilty			•	7-3-/) 				^{11 No. 15} 75-20612-0	ቤብብ		
Compan	·					<u>, , , , , , , , , , , , , , , , , , , </u>		Lease			0-20012-0		Well Nu	
		Ope	erating, I	nc.				Boltz				2	Men M	mber
County Location Hamilton SE/4 NE/4				-	Section 1		TWP 24S			:/W)	Acres Attributed 640		Attributed	
Field Bradsh	12114					Reservoi Winfie				F	thering Conn			
Completi		te					k Total De		DCP Midst Packer Set at			am		
10/15/9	96				<u> </u>	2405								
Casing Size Weight 4.5 11.6				Internal 9 4.000	Diameter	Set at 2428		Perforations 2384		то 2391				
Tubing S 2.375	ubing Size Weight in				internal (2.000	Diameter	Set at 2400				То			
Type Con	noletio	n (De					id Production		•	Pump II	nit or Travalino	Plunger? (Yes	No	
Single -						Typo Fia	ia i roubelle	J.,		r unip o	uur or maaanif	Funger (1es	טאו ע	
Producing			nutus / Tub	ing)		% (Carbon Diox	cide		% Nitro	gen	Gas Gr	avity - C	ì.
Vertical D	epth(i	1)	;				Pre	ssure Taps				(Meter I	Run) (Pr	over) Size
Pressure	Buildu		 Shut in	2-	2 ,	o// at	9:30	lange	Takan	2-3	3 00	11 at 9:3	0 1	AM)(PM)
Well on L			Started		2						•	at		AM) (PM)
,			·				OBSERVI	ED SURFACE	DATA			Duration of Shut-	in A	Hours
Static /	Orifi	Ce	Citale one		Pressure	Flowing	Well Head	Casin	ıg		Tubing	Duration of Gride	<u> </u>	
Dynamic Property	Siz (inch		Meter Prover Pres psig (Pa		Differential In Inches H ₂ 0	Temperature t		Wellhead P (P_) or (P ₁)	_		ead Pressure r (P _s) or (P _s)	Duration (Hours)		l Produced Barrels)
Shut-In	.68	25						,	80	, <u> </u>	рум	24		
Flow									-			······································		
							FLOW STI	REAM ATTRIE	UTES				<u> </u>	
Plate			Circle one:		Press	Grav	rity	Flowing	Davi	ation	Metered Class	GOR		Flowing
Coefficient (F _b) (F _b)		Mater or Prover Pressure			Extension	Fact	or	Temperature F		viation Metered Flow actor R		(Cubic Fe	et/	Fluid
Mefd	<u> </u>		psia		P _m xh	F,		Fi	F	pv	(Mcfd)	Barrel)	ľ	Gravity G _m
					٠.									
						(OPEN FLO	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		/0.\		
P _e) ² =		_:	(P _w)²	=	:	P,=	· · · · · ·	% (P,	- 14.4) +	14.4 =	:	(P _a) ²	! = 0.20 ! =)/
(P,)2 - (P	.,Τ	/D	VI (T) VI	Choc	se formula 1 or 2:	LOG of	<u> </u>	Backpress	ure Curve	Τ	r 1			en Flow
or	•	(-	,)²- (P _*)²		, PaPa-	formula		Slope	:="n" :	пх	LOG	Antilog		erability
(P₀)²- (P	_e) ²				2. P ₀ 2-P _d 2	1. or 2. and divide	P.2. P.2	Assi Stendar	gned d Slone	-				R x Antilog Mcfd)
 -	_			UVVOI	od by: Par-Pur	by:	<u></u>	Grancas	a Glope					
						 		+						
										<u> </u>				_
Open Flow					Mcfd @ 14.6	5 psia		Deliverabili	ty			Mcfd @ 14.65 psi	3	
The u	ndersi	gned	authority,	n be	half of the (Company, si	lates that h	e is duly auth	norized to	make th	ne above repo	rt and that he ha	s knowle	edae of
					eport is true				24 .	to vet	May		•	. //
11	**'					00/1001	. =~000160	1110 <u></u>		, o, _ \	. //	2 . 1	, 2	· <u></u> ·
			Witness	Gt em	<u> </u>				(,	an	ce K	pley	ECFI	V Fn
				ψ: ±2 () /	•				Ü	, -	Harc			
			For Com	nission	· ·						Chec	ked by	W 27	7 2011 -

exempt status und and that the foreg correct to the best of equipment insta I hereby reque	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 Horseshoe Operating, Inc. 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 allation and/or upon type of completion or upon use being made of the gas well herein named. Lest a one-year exemption from open flow testing for the Boltz 2
gas well on the gro	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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 5-24	<u>-11</u>
	Signature: <u>Janice Ripley</u> Title: <u>Production Assistant</u>

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.