KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:					(See Instruc	tions on Re	verse Side	9)					
Open Flow					Test Date				AD	1 No. 15					
Deliverabilty					2-10-1				15	-071-2070	4 ~ OOC	\circ			
Compan	y shoe	Орє	erating, In	c.				Lease Pringle	e Ranch			1	Well Nu	mber	
County Location Greeley S/2 SE NE				,	Section 26		TWP 18S		RNG (E/W) 40W		Acres Attributed				
Field Bradsh	<u> </u>	-				Reservoir Winfiel					thering Conn Midstrea				
Completion Date 5-15-1999							k Total Dep	oth						•	
Casing Size 4.5			Weight 10.5			Internal E 4.090	Diameter	Set at 2997		Perforations 2837		To 2891			
Tubing Size 2.375			Weight 4,7			Internal C 1.995	Diameter	Set at 2897		Perforations		То			
Type Completion (Describe) Single gas						d Productio			nit or Traveling	reling Plunger? Yes / No					
Producing Thru (Annulus / Tubing)						arbon Diox	ide			gen	Gas Gr	Gas Gravity - G			
Casing				<u> </u>								46.6	D 11 (D)		
Vertical E	Jepth(I	1)	,				Pres Fian	isure Taps I G E				(Meter	Hun) (Pr	over) Size	
Pressure	Buildu	p:	Shut in	2-9	20	ar	8:30	(AM) (PM)	Taken	2-1	020	11 at 8:	30 A	AM) (PM)	
Well on L	.ine:		Started		20) at		(AM) (PM)	Taken		20	at	(AM) (PM)	
							OBSERVE	D SURFAC	E DATA	,		Duration of Shut-	in	34 Hours	
Static / Orifice Dynamic Size			Mater Prover Pressure		sure ential .	Flowing Well Head Temperature Temperatur		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Welthead Pressure (P_) or (P,) or (Pe)		Duration (Hours)		Liquid Produced (Barrels)	
		psig (Pm		- 1		t	1	psig psia		psig psia			<u> ``</u>	,	
Flow	.60	<u>ر</u>						<u> </u>	52	 		24	-		
		-	<u> </u>				FI OW STE	REAM ATTR	IBUTES	<u> </u>			<u></u>		
Plate	,		Circle one:	Pre		T		Flowing		.141		200		Flowing	
Coeffiecient (F _b) (F _p) Mcfd		Meter or Prover Pressure psla		Exten	sion	Gravity Factor		Temperature Factor F _{et}		riation actor F _{pv}	Metered Flor R (Mcfd)	W GOR (Cubic Fe Barrel)		Fluid Gravity G _m	
										·					
						(OPEN FLO	OW) (DELIV	ERABILITY) CALCUL	.ATIONS		—-L(P ₋)	² = 0.20	07	
(P _c) ² =		<u>-:</u>	(P _w) ² :		_:	P _d =		% (I	P _e - 14.4) +	14.4 =	<u> </u>	(P _d)			
(P _e) ² - (P _a) ² or (P _e) ² - (P _e) ²		(P _e) ² - (P _w) ²			1, P. 2 - P. 2 2, P. 2 - P. 2			Backpressure Curve Slope = "n" gr Assigned		n x LOG		Antilog	Dell	Open Flow Deliverability Equals R x Antilog	
V &/ V	•′			divided by: P	8- P.8	and divide	P.2-P.2		lard Slope		L J	· 	(Mcfd)	
<u></u>			_							_	<u>.</u>				
Open Flov	~	Mcfd ② 14.65 psia					-	Deliverability			Mcfd @ 14.65 psia				
The u	ındersi	aned	authority, o				ates that h	e is duly au	uthorized t	o make t	he above repo	ort and that he ha	s knowl	edge of	
			ı, and that s					-	24	day of	May	10.4	2	0 11.	
			Witness (f arry)				-	- Ya	nice	J MAN	company	RECE	IVED	
			For Comm	ilasion				-			Che			7 2011	

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 Horseshoe Operating, Inc. 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 Pringle Ranch
gas well on the grounds 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 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:
Signature: Janice Ripley Title: Troduction 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.