15-075-20669-0000

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test				((See Instruct	tions on Re	erse Side)					
	en Flow liverabilty			Test Date	e: / /				√o. 15 20 672 -00-0	00			
Company Horsesh		ating, Inc.				Lease Lewis			- 669	1	Well Nu	mber	
County Location Hamilton C SW			Section 7		TWP 22S			V)		Acres Attributed			
Field Bradshaw			Reservoi Winfield				Gas Gath	ering Conn	ection	•			
Completion Date 5-13-1998			Plug Bac 2746 TI	k Total Dept	h		Packer Se None	et at			*		
Casing Size Weight 4.5 10.5			Internal (4.000			Set at 2745		Perforations 2702		то 2717			
Tubing Size Weight			Internal (Diameter		Set at		Perforations		То			
	npletion (I	Describe)		Type Flui Water	id Production	n	Pump Unit or Travelin Pump Unit - Roc			Plunger? Yes	/ No		
Single - Gas Producing Thru (Annulus / Tubing)				Carbon Dioxi	de	<u>.</u>			Gas Gravity - G				
Annulus Vertical Depth(H)				Pressure Taps Flange				(Meter Run) (Prover) Size 2"					
Pressure	Buildup:	Shut in	9-8	20 <u>//</u> at_			Taken	9-9	20	// at 9.4	5	ÂŊ) (PM)	
Well on L	ine:	Started	2	20 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
					OBSERVE	D SURFACI	DATA	<u> </u>		Duration of Shut	-in_a	24 Hours	
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Press psig (Pm)	Differential In	lemperature Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _o)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	.625	-	,			psig	49 49	psig	psla	24			
Flow													
					FLOW STR	EAM ATTR	BUTES						
Plate Coeffied (F _b) (F Mofd	ient p) P	Circle one: Mater or rover Pressure psla	Press Extension P _m xh	Extension Fact		Flowing Temperature Factor F ₁	Fa	iation Metered Flor ctor R (Mcfd)		W GOR (Cubic Fo Barrel	et/	Flowing Fluid Gravity G _a	
			<u> </u>										
(P _a) ² =	:	(P _w) ²		P _d =	OW) (DELIV	•	CALCUL 14.4) +		<u> </u>	(P _a) ² = 0.2()7 	
(P _e) ² - (I or (P _e) ² - (I	P _a) ²	(P _e)² · (P _#)²	1. P _c ² -P _a ² 2. P _c ² -P _a ² divided by: P _c ² -P _a	1. P _c ² -P _a ² LOG of formula 2. P _c ² -P _d ² 1. or 2. and divide		Backpressure Curve Slope = "n" or Assigned Standard Slope		ln x 10G		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flow Mcfd @ 14.65 psia						Deliverab	Deliverability Mcfd @ 14.65 psia						
	-	-	on behalf of the said report is tru			-	18	o make the	above repo	ort and that he h	as knowi	edge of	
							(Vanic	e K	ipley	. RE(CEIVED	
		Witness				-	(For	Company /	OCT	2 1 201	
		For Com	mission						Che	cked by	'C	2 1 201 VICHIT,	
										^	CC V	VICHITA	

I declare ur	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status u	nder Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
and that the for	egoing pressure information and statements contained on this application form are true and
correct to the be	est of my knowledge and belief based upon available production summaries and lease records
of equipment in:	stallation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby rec	uest a one-year exemption from open flow testing for the Lewis 1
gas well on the	grounds that said well:
(Che	ck 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.
<u> </u>	is not capable of producing at a daily rate in excess of 250 mcf/D
I further agr	ee to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessa	ary to corroborate this claim for exemption from testing.
Date: 10-/6	3 -//
	On in Pilan
	Signature: Janua Mpley
	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, welthead 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.