RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(Se	ee Instruct	tions on Revo	erse Side)			
Open	1 Flow			.Test Date:		∢.		API	No. 15		
Deliverabilty			4-3-/4				075-20641-00-00				
Company Horsesho	oe Oper	ating, Inc	D.			Lease George			· ·	1	Well Number
County Location Hamilton NW SW SE			Section 1		TWP RNG (I 22S 42W		RNG (E. 42W	(W)		Acres Attributed 320	
Field & Bradshaw				Reservoir Winfield		· • • • •	Gas, Gathering Connection Oneok Field Services				
Completion Date 10/23/97				Plug Back 2735	th	Packer Set at					
Casing Size Welght			Internal Dia 4.052	ameter	Set at 2739		Perforations 2696		To 2708		
Tubing Size Weight 4.7			Internal Dia 2.000	ameter	Set at 2716		Perforations		То	То	
Type Completion (Describe) Single - Gas				Type Fluid Water	1	Pump Unit or Traveling P			lunger? Yes / No		
Producing T	NU (Anni		g)	% Car	rbon Dioxi	de		% Nitrog	nen	Gas G	ravity - G _p
Vertical Dep		<u></u>	•			sure Taps				(Meter	Run) (Prover) Size
Pressure Bu	uildup: S	hut In	4-2 20,	14 _{at} 9		(AM) (PM)		43	320/	4 at 9.	00 (AM) (PM)
Well on Line	e: S	tarted	,			(AM) (PM)	Taken		20	at	(AM) (PM)
					DBSERVE	D SURFACE	DATA			Duration of Shut	-in_24 'Hours
Dynamic	Orifice Size (Inches) Circle one: Pressure Differential in prover Pressure (Inches) Circle one: Meter Differential in pressure (Inches) Cir		Differential in	Flowing Well Head Temperature t t		(P_w) or (P_1) or (P_c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In	500	psig (Pm)	Inches H ₂ 0			pskg 45	psia	psig	psia	24	
Flow			1			·	_				
				F	LOW STR	EAM ATTRI	BUTES				
Plate Coeffiecient (F _b) (F _p) Mcfd	t A	Cicle one: Meter or Provet Pressure psla Press Extension P _m xh		Gravity Factor F _g		Temperature Fa		viation Metered Flow actor R F _{pv} .(Mcfd)		GOR (Cubic Fo Barrel	Gravity
				<u> </u>		· · · · · · · · · · · · · · · · · · ·	<u> </u>			<u> </u>	
P _c) ² =	:	(P _w) ² =		OPEN FLOW =_		ERABILITY) % (P _.	CALCÚL - 14.4) +		<u>'</u> _:	(P <u>.</u> (P _d) ² = 0.207
(P _c) ² - (P _d) ² or (P _c) ² - (P _d) ²)²-(P _#)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 p	P.2-P.2	Slope 	sure Curve = "n" or gned rd Slope	n x	rog [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
					·	ļ <u>.</u>					·
Open Flow			Mcfd @ 14.65	o psia		Deliverabil	ity				 ia
			n behalf of the C				/_	o_make th	ne above repor	t and that he h	as knowledge of, 20
		16 Charana Cl	I on A					ani		pley	KCC WICI
		Witness (il	1 (219)				- //		For ⊈	ompany //	

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
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: 6-16-14 Signature: Janice Ripley
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.

CONTRACTOR

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