KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				((See Instruc	tions on Rev	rerse Side)			
□ ot	en Flo	W							_			
Deliverability				7/26	Test Date: 7/26/1/			API No. 15 071-20656-00-00				
Company Horsesh		erati	ing, Inc.		-1/	/	Lease Watson				1	Well Number
County Location Greeley C SW/4				Section 17		TWP 20S		RNG (E/W) 39W		Acres Attributed		
Field Bradshaw				·	Reservoir Winfield		`		Gas Gathering Connecti DCP Midstream		ection	-
Completi 4-17-19		6			Plug Back Total Depti 2831		h		Packer Set at None			
Casing S 4.5	ize		Weigh 11.6	it	Internal Diameter 4.000		Set at 283 1		Perforations 2800		то 2810	
Tubing Size 2.375			Weigh 4.7	Weight 4.7		Internal Diameter 2.000		Set at 2811		rations	То	
Type Completion (Describe) Single - Gas			Type Fluid Production Water			-		nit or Traveling Unit - Rod	Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Annulus							Gas Gr	avity - G _g				
							Run) (Prover) Size					
Pressure	Buildu	p: 8	Shut in	1/25 2	0 // at_		(AM)(PM)	Taken	7/8	20	// at_8:/	5 (AM) (PM)
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-	n <u>24</u> Hours
Static / Orifice Dynamic Size Property (inches		•	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t t		Casing Weithead Pressure (P _w) or (P ₁) or (P _o)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _o)		Duration (Hours)	Liquid Produced (Barrels)
Shut-in	.50	0	poig (i iii)	manus rigo			psig	3.5	psig	psia	24	
Flow]						•				
	1			ı	- 	FLOW STR	EAM ATTRI	BUTES				
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _a xh	Gravity Factor F _g		Temperature Fac		iation Matered Flow ctor R (Mcfd)		GOR Flowin (Cubic Feet/ Barrel) Gravity G _m	
				<u> </u>								
(P _e) ² =		:	(P_)² =	;	P _d =		E RABILITY) 6 (P.	- 14.4) +		:	(P _a)² (P _a)²	! = 0.207
(P _a) ² - (I or (P _a) ² - (I	· 1	(P _e)²- (P _w)²	Choose formule 1 or 2. 1. P _c ² -P _d ² 2. P _d ² -P _d ² divided by: P _d ² -P _d ²	LOG of formula 1, or 2.	b°5- b°5	Backpres Slope Ass	sure Curve =="n" or gned rd Slope	пх	LOG [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
			•		-				 			
Open Flo	l. w	Mcfd ② 14.65 psia					Deliverability		Mcfd @ 14.65 psia			
The	undersi				Company, s		e is duly aut	horized to	make that		t and that he ha	
			Witness (i	eny)				9	anil	e Ks	pley	RECEIVED
			For Comm	Ission			_	<i>0</i>		Check	Ked by	AUG-1-1-2011

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 Watson 1 gas well on the grounds that said well:
(Check 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. 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:

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.