CONSERVATION DIVISION WICHITA, KS

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				((See Instruct	tions on Rev	erse Side	e)			
Open Delive	Flow erabilty			Test Date	e:/4			API 071 -	No. 15 -20358 <i>-0</i> 0	00	
ompany orseshoe	Opera	tina. Inc.		, <u> </u>	<u>/</u>	Lease Watson	Farms				Well Number
ounty Location C NE		Section 19		TWP 20S		RNG (E/W) 39W		Acres Attributed			
ield Iradshaw				Reservoi				Gas Gath	nering Conne dstream	ction	
ompletion -21-85	Date			00001	k Total Dept	ih		Packer S	et at		
asing Size Weight 5 10.5		t	Internal Diameter 4.052		Set at 2949'		Perforations 2831'		To 2880'		
ubing Size		Weigh 4.7	t	Internal I	Diameter	Set a 2809		Perfor	ations	То	
ype Comple lingle - G		escribe)		Type Flui Water	d Production	n .			it or Traveling Unit - Rod	Plunger? Yes	/ No
roducing Ti	hru (An	nulus / Tubing	3)	% 0	Carbon Dioxi	de		% Nitroge	en	Gas G	ravity - G _g
ertical Dept	th(H)	<u> </u>			Pres	sure Taps de				(Meter	Run) (Prover) Size
Pressure Bu	ildup:	Shut in	7-2 20		DIAN	(AM) (PM)	Taken	4-3	20	4 at 80	O (AM) (PM)
Vell on Line	:	Started	20	at		(AM) (PM)	Taken	<u>-</u>	20	at	(AM) (PM)
$T_{N^{\sigma}}$	•	٠.		U.S.		D SURFACE	DATA		i	Duration of Shut	in 24 Hours
Static / Orifice Dynamic Size Property (inches		Circle one: Meter Prover Pressu psig (Pm)	Meter Differential .		Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		ubing ad Pressure (P ₁) or (P _c) psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	25					pang	96.4	psig	pala	24	
Flow										 -	
			<u> </u>	1 .	FLOW STR	EAM ATTRI	BUTES			-	
Plate Coefficeient (F _b) (F _p) Mcfd		Meter or Extensi Prover Pressure psia		Grav Fac	tor 7	Flowing Temperature Factor F _{ft}		Deviation Metered Flo Factor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel)	Crovity
		,						. :			
P _c) ² =	:	(P _w) ² =	:	(OPEN FL		ERABILITY) % (P	CALCUL - 14.4) +		· :		2 ² = 0.207 2 ² =
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	l l	P _c)²- (P _w)²	1. P _c ² - P _s ² 2. P _c ² - P _s ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2 and divide by:	P _c ² -P _w ²	Slop	sure Curve e = "n" origned rd Slope	וצת	og 📗	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
						· · · · · · · · · · · · · · · · · · ·					
Open Flow			Mcfd @ 14.6	5 nsia	•	Deliverabi	lity			//cfd @ 14.65 ps	<u> </u>
The und			n behalf of the (Company, s		e is duly au		o make th			as knowledge of
e facts state	ed there		aid report is true	and correc	t. Executed	this the	<u> </u>	day of L	repren	indr-	, 20 <u>/ 4</u> .
		Witness (il	f any)		 .	_		Ju ru	For Co	mpainy KANS	Received SAS CORPORATION COM
		For Comm	ission .	N				/	Check	ed by	OCT 0 2 201

30	36-
	er penalty of perjury under the laws of the state of Kansas that I am authorized to requ
exempt status und	ler Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
and that the foreg	joing pressure information and statements contained on this application form are true a
correct to the best	of my knowledge and belief based upon available production summaries and lease recor
	allation and/or upon type of completion or upon use being made of the gas well herein name est a one-year exemption from open flow testing for theWatson Farms #1
	ounds that said well:
, , 3 -	•
(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.
\checkmark	is not capable of producing at a daily rate in excess of 250 mcf/D
I further agree	e to supply to the best of my ability any and all supporting documents deemed by Commi
taff as necessary	to corroborate this claim for exemption from testing.
12	11/L
Date: 9-3-7	<u>7</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.

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