Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	: :			(See Instruct	ions on Rev	verse Side)					
Open Flow			Test Date	··	No. 15	02							
Deliverabilty				11/12/2015				15-933-20529 - 0000					
Company HUMMO		PORATION	-			Lease EAKES			75	1-12	Vell Nun	nber	
County Location SEWARD SE NE			Section 12			TWP RNG (EA 32S 31W		W)	Acres Attributed 160				
Field WILDCAT			Reservoir CHESTER SAN						hering Conne	ng Connection TREAM			
Completion Date 7/28/2005			Plug Back Total De 5803'			h Packer 5 5678'		Set at					
Casing Size 5-1/2"		Weight 15.50#		Internal Diameter 4.960"		Set at 6062'		Perforations 5704'		то 5708'			
Tubing Size			Weight 4.70#		Internal Diameter 1.995"		Set at 5678		rations	То			
2-3/8" Type Con	notetion (4.707 Describe)	!		d Production		•	Pump Ur	nit or Traveling	Plunger? Yes	/ No		
SINGLE		20001100)		WATE				PUMPING UNIT					
Producing		Annulus / Tubir	ng) % Carbon Dio			de % Nitro		% Nitrog	trogen Gas Gra		avity - G	vity - G _o	
Vertical D	epth(H)				Press	sure Taps				(Meter F	Run) (Pro	over) Size	
Pressure	Buildup:	Shut in NO)V 12	15 at 1	000	(AM) (PM)	Taken_N	OV 13	20	15 at 1015	(<i>f</i>		
Well on L	ine:	Started 20 at (AM) (PM) Taken 20 at		(AM) (PM)								
					OBSERVE	D SURFACE	E DATA			Duration of Shut-	_{in} _24.2	25 Hours	
Static / Orifice Dynamic Size Property (inches		Meter	Pressure Differential	Flowing Temperature	Well Head Temperature	Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration	Liquid Produced		
		Prover Press psig (Pm)	ure in Inches H ₂ 0	t	· 1 /		(P _w) or (P ₁) or (P _c)		r (P ₁) or (P _c)	(Hours)	(B	(Barrels)	
Shut-In						85	275	psig	, , , , , , , , , , , , , , , , , , ,				
Flow						-	_						
					FLOW STR	EAM ATTR	BUTES						
V b/ V p/		Circle one: Meler or	Press		Gravity		Flowing Dev		Metered Flow	GOR		Flowing Fluid	
		Prover Pressure	Extension P _m xh	Fact F _c	ior	Factor		ctor R pv (Mcfd)		(Cubic Fe Barrel)	Gravity		
Mcfd	·	psia	<u> </u>		' 	F _{tt}	-						
	<u> </u>		<u> </u>	(0.75)									
(P _c)² ≔		: (P)²:	=:	(OPEN FL	OW) (DELIV) CALCUL ⁾ 。- 14.4) +		<u> </u>	(P _a) (P _d)	²= 0.20 ²=)7	
		(P _c) ² - (P _w) ²	Choose formula 1 or 2	_		Backpre	ssure Curve		<u></u>	. 0		en Flow	
$(P_c)^2 - (P_c)^2 - (P_c$		(P _c) (P _w)-	1. P _c ² -P _s ² 2. P _c ² -P _d ²	formula 1. or 2.	j		or	. n x	LOG	Antilog	Deliv	verability R x Antilog	
(P _c)2- (I	P _d) ²		divided by: $P_c^2 - P_w$	and divide 2 by:	P _c ² -P _w ²		signed ard Slope		LJ			Mcíd)	
			 			<u></u>							
Open Flo	w		Mcfd @ 14	.65 psia		Deliverab	ility			Mcfd @ 14.65 ps	a		
	•	•				-			•	rt and that he ha	s knowl	edge of	
the facts s	stated the	rein, and that	said report is tru	e and correc	t, Executed	this the 14	4	day of _C	ECEMBER		, 2	15	
		Witness	(if any)	 4	(CC W	ICHIT <u>/</u>	Α		For	Company			
					-DEC-1								
		For Com	mission		טעני "י	, CU			Chec	cked by			

	nder the laws of the state of Kansas that I am authorized to request 4 on behalf of the operator HUMMON CORPORATION							
	tion and statements contained on this application form are true and							
	belief based upon available production summaries and lease records							
•	e of completion or upon use being made of the gas well herein named.							
	on from open flow testing for the EAKES 1-12							
gas well on the grounds that said well:								
(Check one)								
is a coalbed methane producer								
is cycled on plunger li	ift due to water							
is a source of natural	is a source of natural gas for injection into an oil reservoir undergoing ER							
is on vacuum at the pr	resent time; KCC approval Docket No							
✓ is not capable of prod	lucing at a daily rate in excess of 250 mcf/D							
I further agree to supply to the best of	of my ability any and all supporting documents deemed by Commission							
staff as necessary to corroborate this cla								
	on on public troung.							
0 12/14/2015								
Date: 12/14/2015								
	Signature: The C Hear							
KCC WICHITA								
KCC 4410.	Title: PRODUCTION ADMINISTRATOR / PUMPER							
DEC 1 6 2015								
RECEIVED								

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.