## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			(	See Instruct	tions on Re	verse Side	<del>?</del> )	,				
	en Flow			Test Date:				API No. 15					
Company	y			Nov 1 2	013	Lease	Danah	15-	025-20200 -		Well No	umber	
Hummon Corporation  County Location			Section		TWP	TWP RNG (E/W)			1-33 Acres Attributed				
Clark NW SW		33		338		21W		160		Attributed			
Field Harper Ranch				Reservoir			Gas Gathering Connection						
•				Morrow Blue Boo	k Total Dept			Packer S		dstream			
Completion Date Apr 24 1978				5466'	к тогаг Берг	ш		None					
-		Weigh						Perforations 5440'		To 5444'			
4-1/2" 10.50# Tubing Size Weight		<del></del>	3.950"		5505' Set at		Perforations		To		<del> </del>		
2-3/8" Weight 4.70#				1.995"	Jiametei	5420'		rations	10				
Type Con Single	npletion	(Describe)			d Production			Pump Ur PU	nit or Traveling	Plunger? Yes	s / No		
Producing <b>Tubing</b>	g Thru (	Annulus / Tubin	g)	% C	Carbon Dioxi	de		% Nitrog	en	Gas G	aravity -	G <sub>g</sub>	
Vertical D	Depth(H)				Pres	sure Taps				(Meter	Run) (F	Prover) Size	
Pressure	Buildup:	: Shut in No	v 1 2	0 13 at 8	:00	(AM) (PM)	Taken N	ov 2	20	13 <sub>at</sub> 12:00	<u>`</u>	(AM) (PM)	
Well on Line:		Started	Started 20		at		AM) (PM) Taken		20	at	at (AN		
					OBSERVE	D SURFACI	DATA		·	Duration of Shu	t-in_24	+ Hours	
Static / Orific Oynamic Size Property (inche		Gircle one:  Meter	Pressure Differential	Flowing	Well Head	Wellhead Pressure		Tubing Wellhead Pressure		Duration	Liquid Produced		
		Prover Pressi	<i>ire</i> in ∣	Temperature Temp	1 '			$(P_*)$ or $(P_t)$ or $(P_c)$		(Hours)		(Barrels)	
	ļ	psig (Pm)	Inches H <sub>2</sub> 0			psig	psia	psig	psia		_	<del></del>	
Shut-In						120	134.4				<del></del>		
Flow	<u> </u>							Ļ					
			·	·	FLOW STR	EAM ATTR	BUTES					7	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension Pmxh	Grav Fac F <sub>e</sub>	tor 1	Flowing Temperature Factor F <sub>ri</sub>		iation ctor	Metered Flow R (Mcfd)	w GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G <sub>m</sub>	
				(OPEN FL	OW) (DELIV	ERABILITY	CALCUL	ATIONS		(P	) <sup>2</sup> = 0.2	207	
(P <sub>c</sub> ) <sup>2</sup> =		: (P <sub>w</sub> ) <sup>2</sup> =		P,=	9	% (F	- 14.4) +	14.4 =	<u>:</u>		)2 =		
$(P_e)^2 - (P_a)^2$ or $(P_e)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>±</sub> ) <sup>2</sup>	2. P.2. P.2		LOG of formula 1. or 2. and divide p. 2. p. 2		Backpressure Curve Slope = "n"oror Assigned Standard Slope		LOG	Antilog De		pen Flow liverability s R x Antilog (Mcfd)	
<del>r</del> ·			divided by: $P_c^2 - P_a^2$	by:	<u> </u>	Statio	ara Siope				+-	-,	
						<u> </u>							
Open Flo	w		Mcfd @ 14,	65 psia		Deliverab	ility /			Mcfd @ 14.65 p	sia		
	_							τ		rt and that he h		_	
the facts s	tated the	erein, and that s	aid report is true		t. Executed		7 7 7 7	d y of $\Box$	ecentiber	2110 in		20 13 .	
		Witness (	if any)		DEC 27	(	ingu		For C	company	91		
		For Comm	nission	· · · · · · · · · · · · · · · · · · ·	RECE	_			Chec	cked by			
					NEVE	-i v にレ							

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Hummon Corporation
	oing 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 insta	llation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby reque	est a one-year exemption from open flow testing for the Harper Ranch 1-33
	ounds that said well:
(Check	onel
CHECK	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
<b>\</b>	is not capable of producing at a daily rate in excess of 250 mcf/D
· ·	e to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: Dec 23 201	3
	Signature What Landings  Title: Production Administrator

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.

MCC WICHTA

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