RECEIVED (03)

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

DEC 3 1 2012

Type Tes	st:				(See Instruc	tions on Re	everse Side))			·	
= :	pen Flow eliverabil			Test Date Dec. 17		API No. 15 15-025-20215 - 0000						
Company Hummon Corporation					Lease Harpe			er Ranch			Well Number 2-4	
County Location Clark NW NW			Section 4		TWP 34S		RNG (E/W) 21W		Acres Attributed 160			
Field Harper I	Ranch			Reservoi Morrow					thering Conne lidstream	ection		
Completion Date Jan. 2, 1979			Plug Bac 5458'	k Total Dep	th	Packer Set at None		Set at				
_		Weigh 10.50			ernal Diameter 950"		et at Perforat 500' 5436'			то 5440'		
Tubing Size 2-3/8"		Weigh	Weight 4.70#		Internal Diameter 1.995"				prations	То		
	npletion	(Describe)			d Production			Pump U PU	nit or Traveling	Plunger? Yes	/ No	
	g Thru (Annulus / Tubing))		Carbon Dioxi	de		% Nitro	gen	Gas Gra	avity - G _g	
Vertical D	Depth(H)				Pres	sure Taps				(Meter F	Run) (Prover) Size	
Pressure Well on L					:00					12 at 12:00	, , , ,	
				"	OBSERVE	D SURFAC	E DATA			Duration of Shut-	n 24+ Hours	
Static / Orifice Dynamic Size Property (inches)		Meter Prover Pressu	Pressure Differential re in Inches H ₂ 0	Flowing Temperature t	Flowing Well Head Temperature		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing pad Pressure r (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In						125	139.4	psig	psia			
Flow												
	1				FLOW STR	EAM ATTR	IBUTES					
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension P _m x h	Grav Fact F _c	tor	Flowing emperature Factor F ₁₁	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m	
				(OPEN FL	OW) (DELIVI	ERABILITY) CALCUL	ATIONS				
(P _c)² =		: (P ₁) ² =	<u> </u>	P _d =	9	6 (F	² 14.4) +	14.4 =	:	(P _d)²	= 0.207 =	
(P _c) ² - (F or (P _c) ² - (F	P_) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ Winded by: $P_c^2 - P_a^2$	LOG of formula 1, or 2, and divide	P _c ² * P _w ²	Skoj As	ssure Curve De = "n" Or Signed ard Slope	n x I	LOG [Antilog	Open Flow Deliverability Equals R x Antilog (Mofd)	
Ones Flor												
Open Flor			Mcfd @ 14.			Deliverab				fcfd @ 14.65 psia		
		ned authority, on prein, and that sa Witness (if	id report is true				ノクッペ	_	ecember	and that he has	knowledge of .20 12	
		For Commis	telon								1974	

DEC 3 1 2012 KCC WICHITA

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 Hummon Corporation
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 Harper Ranch 2-4
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: $0.00000000000000000000000000000000000$
,
Signature: Description Administrator
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.