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

Type Test	:				0	See Instruct	ions on Re	verse Side	)				
Open Flow					Test Date				۸ÐI	No. 15			
Deliverabilty				11/18/20	•		API No. 15 15-025-20200 <b>~ 0<i>0</i> 00</b>						
Company HUMMO		RPO	ORATION				Lease HARPE	R RANCI	- -		1-33	Vell Number	
County CLARK			Location SW SW		Section 33		TWP 33S			W)		Acres Attributed 160	
Field HARPER RANCH				Reserv€ir MORROW				Gas Gathering Conne DCP MIDSTREAM			ection		
Completic 04/24/19		₽			Flug Back -5466'	k Total Dept	h		Packer S	et at			
Casing Size 4-1/2"			Weight 10.50		Internal Diameter 3.950"		Set at 5605'		Perforations 5440'		то 5042'		
Tubing Size 2-3/8"			Weight 4.70#		Internat Diameter 1.995"		Set at 5420		Perforations		То		
Type Completion (De SINGLE			escribe)		Type Fluid Production OIL AND WATER					it or Traveling ING UNIT	Plunger? Yes	/ No	
Producing		(Anr	nulus / Tubing)			% Carbon Dioxide		% Nitrogen		en	Gas Gravity - G		
Vertical D	epth(H	)				Pres	sure Taps			<del>_</del> .	(Meter F	Run) (Prover) Size	
Pressure	Buildup	p: :	Shut in NO	/ 18 <sub>2</sub>	0_15 at 0	715	(AM) (PM)	Taken_N	OV 19	20	15 at 0715	(AM) (PM)	
Well on L	ine:	;	Started	20	o at		(AM) (PM)	Taken		20	at	(AM) (PM)	
					<u> </u>	OBSERVE	D SURFAC	E DATA		<del></del>	Duration of Shut-i	n_24Hours	
Static / Orifice Dynamic Size Property (Inches)		9	Circle one: Pressure Meter Differential . Prover Pressure in psig (Pm) Inches H <sub>2</sub> 0		Flowing Well Head Temperature t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>0</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>o</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			paig (i m)	mones 11 <sub>2</sub> 0			psig 15	gsia 38	psig	psia			
Flow	ı												
Γ	1		Circle			FLOW STR	EAM ATTR	IBUTES			<u> </u>		
Plate Coeffictient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Gravity Factor F		Temperature Fac		iation ctor <sub>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
(P <sub>c</sub> )² ≂			(P \2 _	:	(OPEN FL	OW) (DELIV		) CALCUL <sup>2</sup> c - 14.4) +		•	(P <sub>a</sub> ) <sup>2</sup> (P <sub>d</sub> ) <sup>2</sup>	= 0.207	
(P <sub>c</sub> ) <sup>2</sup> - (I		 (F	P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2.  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ tivided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide		Backpre Slo As	ssure Curve pe = "n" -or signed lard Slope	n x	LOG [ ]	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			_										
Open Flow Mcfd @ 14.65 psia					Deliverability				Mcfd @ 14.65 psia				
		-		behalf of the	• •		-			•	rt and that he ha	s knowledge of	
WAS IROUS S	.a.cu II		, and that Sc	roport is trut	. 111.0 00460		WIC:		July 01			,	
			Witness (i	any)						For C	ompany	···	
			For Comm	ission		<u> </u>	16 20	IJ_		Chec	ked by		

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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 *1-33
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: 12/14/2015
Signature: Acc C C Coce  Title: PRODUCTION ADMINISTRATOR / PUMPER  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.