July 2014

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t ;				(See Instruct	tions on Re	verse Side))				
Op	en Flo	w			To all Davis								
Deliverabilty			Test Date 10/13/20		API No. 15 15-033-21001 ~000								
Company HUMMO		RP	ORATION	· · · · · · · · · · · · · · · · · · ·			Lease CAMPB	ELL			1X-22	Well Numbe	r
County CAMANCHE			Location N2 NE NW		Section 22		TWP 32S		RNG (E/W) 18W			Acres Attributed	
Field NESCATUNGA				Reservoir MARMA			Gas Gatheri ONEOK		hering Conne	ection			
Completion Date 10/02/1999				-	Plug Back Total Depth 5653'		1		Packer Set at 5573'				
Casing Size 5-1/2"			Weigh	Internal D	Internal Diameter 4.950		Set_at 5655'		Perforations 5596'		то 5600'		
Tubing Size			15.50# Weight		Internal Diameter		Set at		Perforations		То		
2-3/8" Type Completion (De:			4.70# escribe)		1.995" Type Flui	1.995" Type Fluid Production				it or Traveling	Plunger? Yes	; / No	
SINGLE Producing Thru (Annulus / Tubing)			_	ND WATE	₹		PUMP % Nitrog	ING UNIT	Gas G	Gas Gravity - G			
TUBING	3		Tabling					-	70 Tilliog			v	
Vertical D	epth(F	1)				Pres	sure Taps				(Meter	Run) (Prover	r) Size
Pressure	Buildu	p:	Shut in OC	Г 10 2	0 14 at 0	900	(AM)-(PM)	Taken_O	CT 14	20	14 at 0900	(AM)	(PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM)	(PM)
						OBSERVE	D SURFACI	E DATA			Duration of Shu	t-in_24	_Hours
Static / Orifice Dynamic Size		е	Circle one: Meter Prover Pressu	Pressure Differential	Flowing Temperature t		Malhaad Prescure		Tubing Wellhead Pressure (P _w) or (P _c)		Duration (Hours)	Liquid Pro (Barrei	
Property Shut-In			psig (Pm)	Inches H ₂ 0		t	psig 100	psia 250	psig	psia	<u> </u>		
Flow							100	200					
						FLOW STR	EAM ATTR	IBUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Grav Fac F		Flowing Temperature Factor F ₁₁	nperature Factor		ctor R		feet/ G	lowing Fluid travity G _m
(D. V2			(D.)2		•	OW) (DELIV		•				$(a)^2 = 0.207$	
(P _c) ² =				Choose formula 1 or 2		<u></u>			14.4 =			_d) ² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	2. P ² -P ² 1. or 2.		Backpressure Curve Slope = "n"or Assigned Standard Slope		n x LOG		Antilog	Open F Delivera Equals R x (Mcfe	bility Antilog
				ичаев ву: Г _с - Р _w	by:	P _c - P _w	Stand	ara diope				,	*
Open Flo	w			Mcfd @ 14	.65 psia		Deliverab	ility			Mcfd @ 14.65 p	sia	
The	unders	igne	d authority, or	behalf of the	Company,	states that h	e is duly au	athorized t	o make th	ne above repo	rt and that he h	nas knowledg	e of
the facts s	tated t	herei	in, and that sa	id report is tru	e and correc	t. Executed		1 A	day of D	ECEMBER		, 20	14
			Witness (i	any)	_	DEC	8 2014			For 0	Company		
			For Comm	ssion		RE	CEIVED)		Chec	cked by		

l declar	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt stat	us under Rule K.A.R. 82-3-304 on behalf of the operator HUMMON CORPORATION
	e foregoing pressure information and statements contained on this application form are true and
correct to th	e best of my knowledge and belief based upon available production summaries and lease records
, ,	nt installation and/or upon type of completion or upon use being made of the gas well herein named. v request a one-year exemption from open flow testing for the CAMPBELL 1X-22
	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
	agree to supply to the best of my ability any and all supporting documents deemed by Commission essary to corroborate this claim for exemption from testing.
Date: <u>12/14</u>	<u>1/2014</u>
	KCC WICHITA Signature: July C. Marce
	DEC 18 2014 Title: PRODUCTION ADMINISTRATOR / PUMPER

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.