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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	t: en Flow liverabil				Test Date 6-5-201		tions on R	everse Side	API	No. 15 119-20791 -	_ <u></u>	-		
Company Hi-Kat P		ım			. 0-0-201		Lease Mary S	Sutherland		113-201315		۱-7	Well Number	
County Location			1	Section		TWP	TWP		RNG (E/W)			Acres Attributed		
Meade C NW/4 Field		· · ·	7 Reservoir		358		26W Gas Gatl	nering Conn	ection					
McKinney Completion Date					Chester	k Total Dep	' !h		Duke Packer S	ot ot				
8/10/84					6400				none					
Casing Size 4 1/2			Weight 10.5		Internal Diameter 4.052			Set at 6598		Perforations 6154		то 6166	,	
Tubing Si	ize		Weight 4.7		Internal Diameter 1.995		Set at 6090		Perforations 6174			то 6187		
Type Completion (Describe) Single Gas			be)	`		luid Production			Pump Unit or Traveling F					
Producing Thru (Annulus / Tubing) Tubing					% Carbon Dioxide				% Nitrogen			Gas Gravity - G _g		
Vertical Depth(H)				Pressure Taps Flange				(Meter Run) (Prover 3.068"						
Pressure	Buildup	: Shut	_{in} June	5th 2	0_13_at_6:		•	Taken_Ju	ıne 6th	20	1			
Vell on L	ine:												(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration o	of Shut-i	n 24 Hours	
Static / Dynamic Property	Orific Size (inche	Size Meter Differentia		1 .	Flowing Well Head Temperature t		(P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	_	- P	· ·	inches H ₂ U		· · · · · · · · · · · · · · · · · · ·	110	psia 124.7	90	psia 104.7	24			
Flow		/												
						FLOW STR	EAM ATT	RIBUTES	T					
Plate Coefficient (F _b) (F _p) Mofd		Mete Prover P	Circle one: Meter or Prover Pressure psia		Gravity Factor F ₉		Flowing Temperature Factor Fig. Fig. Fig. Fig. Fig. Fig. Fig. Fig.		ctor R		GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G _m	
				<u></u>	(OPEN EL (OW) (DELIV	EDARII ITV	() CALCIII	ATIONS				<u> </u>	
(c)2 =		. :	(P _w) ² =	:	$P_d =$			P _c - 14.4) +		:		(P _a) ² (P _d) ²	= 0.207 =	
(P _c) ² - (F	· -	(P _c) ² - (P _w) ²		pose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ded by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog ·		Open Flow Deliverability Equals R x Antilog (Mcfd)	
				-	-		ļ		1					
Open Flow Mcfd @ 14				Mcfd @ 14.6	55 psia		Deliveral	Deliverability		Mcfd @			14.65 psia	
					Company, s				make the	e above repo		•	knowledge of .	
		·.	Witness (if an	у)			-		to	O MA	ompany		CC WICHI	
			For Commissi	on '			-			Chec	ked by		AN 13 2014	

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 Hi-Kat Petroleum
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 Mary Sutherland #1-7
gas well on the grounds that said well:
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: 1-10-2014
Signature:
Title: Contract Opens For

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.

KCC WICHITA

JAN 13 2014

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