KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flow	,	02		Test Date	-	tructi	ions on Rev	erse Side	-	I No. 15	•			
De	liverabil	lty			6-10&1						-155-19069-	0-0	0		
Company HERMA		DEE	3,LLC.					Lease PAT HA	INES				#1	Well Nu	ımber
County Location RENO CNW SE				Section 8						RNG (E/W) 5W		Acre		Attributed	
Field YODER SW EXT						Reservoir MISSISSIPPI				Gas Gathering Connection MID KANSAS GATHERING					
Completion Date 12-16-77				Plug Bac 3486	Plug Back Total Depth 3486			Packer Set at NONE							
Casing S 5.500	Casing Size Weight 5.500 15.50				Internal 5.012	Internal Diameter 5.012			Set at , 3574		orations 2		To 3454		
Tubing Si 2.375	Tubing Size Weight 2.375 4.70				Internal Diameter 1,995			Set at 3450		Perforations OPEN			То		
Type Completion (Describe) SINGLE					Type Fluid Production GAS, WATER			Pump Uni PUMPI			it or Traveling Plunger? Yes / No ING				
Producing ANNUL		(Anr	rulus / Tubin	g)	% (Carbon D	Dioxic	de		% Nitro	gen		Gas Gr	avity - (3 ,
Vertical D)				F	ress	sure Taps	7				(Meter I	Run) (P	rover) Size
Pressure	Buildup); ;	Shut in 6-1	0	14 at 8			(AM) (PM)	Taken 6-	11	20	14	at_8	((AM) (PM)
Well on L	Well on Line:		Started		20 at	at		(AM) (PM)	Taken	n20			at (AM) (PN		(AM) (PM)
						OBSE	RVE	D SURFACE	DATA		. <u>-</u>	Dur	ation of Shut-	in	Hours
Static / Dynamic Property	Orifice Size (inches)		Circle one: Meter Prover Pressi psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Temperature Temperature				Pressure	Wellhe	Tubing ead Pressure or (P ₁) or (P _c) psia	Duration (Hours)		Liquid Produced (Barrels)	
Shut-In							345		P0/12	puig	pour		24		-
Flow															
				1	_	FLOW	STR	EAM ATTRI	BUTES				<u>-</u> -		
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P _m xh	nsion Fact		Flowing Temperature Factor F _{II}		Deviation Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m
				J	(OPEN EL	OW) (DE	I IVE	ERABILITY)	CALCUL	ATIONS					
(P _c) ² =		<u>.:</u>	(P _w) ² =		P _d =			-	<u>- 14.4) +</u>		<u>:</u>		(P _a) ²	= 0.2 =	07
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ^z - (P _w) ^z		Choose formula 1 or: 1. P _c ² -P _a ² 2. P _c ² -P _d ² divided by: P _c ² -P _d	LOG of formula 1. or 2. and divide	P _c ² -P _* ²		Backpressure Curve Slope = "n"		лх	rog	G		Del Equals	en Flow iverability R x Antilog (Mcfd)
						-			_						
Open Flov				Mcfd @ 14	.65 nsia			Deliverabil	litv			Mofe	@ 14.65 psi		
		nec	l authority o	n behalf of the	•	states th	at he		-	n make ti	-				ledge of
				aid report is tru							-				20 14
							_	_	•					(CC	WICH
			Witness (_	-				ompa		JUN	1 9 2014
			ForComm	HS\$10N							Chec	ked b	у		ECEIVE

ساة فسماة اسمم	tus under Rule K.A.R. 82-3-304 on behalf of the operator HERMAN L. LOEB, LLC
ano inai in	e foregoing pressure information and statements contained on this application form are true and
correct to t	he best of my knowledge and belief based upon available production summaries and lease records
	ent installation and/or upon type of completion or upon use being made of the gas well herein named.
I hereb	by request a one-year exemption from open flow testing for the PAT HAINES
gas well or	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
l furthe	er agree to supply to the best of my ability any and all supporting documents deemed by Commissio
	cessary to corroborate this claim for exemption from testing.
sian ao no	socially to correspond the diam for exemplicit from testing.
644	204.4
Date: <u>6-11</u>	<u>-2014 </u>
	Signature:
	Signature

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.

JUN 19 2014
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