Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:			_		((See Instruc	tions on Re	everse Side	э)						
Open Flow Deliverabilty						Test Date 12-10-1					No. 15 175-21,534 ;	294-0	000			
Company H & C OIL OPERATING, INC.							Lease SOUTI						Well Number			
County Location SEWARD 990' FNL & 990' FWL					Section 19		TWP 31S	TWP RNG (E/W) 31S 31W				***************************************	Acres Attributed			
Field				Reservoir		010		Gas Gat DCP M	ection	KCC WICH DEC 22 2015 5475 RECEIVED						
Completion Date 1-28-93					k Total Dep	th	Packer Set at NONE				DEC 23					
Casing Size Weight 4.5 10.5				Internal (4.052	Diameter		Set at 5583		Perforations 5462			REC	2015			
	ubing Size Weight			Internal 0 1.995	Diameter	Set	Set at 5461		Perforations				:NED			
Type Completion (Describe) SINGLE GAS					d Productio		Pump Unit or Traveling			Plunger?	' Yes	/ No	1 Mars 187 189 14 1580 114			
Producing Thru (Annulus / Tubing) TUBING						Carbon Diox	ide	% Nitrogen				Gas Gravity - G _g				
Vertical Depth(H) 5469				Pressure Taps FLANGE								(Meter Run) (Prover) Size 3.068"				
Pressure	Buildu	p: :	Shut in 12	-9-1	5 20	1: at	315	(AM) (PM)	Taken 1	2-10-15	20	at_	1315	(/	· ЛМ) (РМ)	
Well on Line: St			Started 20			at		(AM) (PM)	AM) (PM) Taken		20 .			(AM) (PM)		
					•		OBSERVE	ED SURFAC	E DATA			Duration	of Shut	t-in_24.0) Flours	
Static / Dynamic Property	Dynamic Siz		e Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Wellhead (P _w) or (sing d Pressure P ₁) or (P _c)	Wellhe	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced (Barrols)	
Shut-In		psig (Pm)			menes 1120			148.8	163.2	psig psia 46.2 60.6		24.0				
Flow																
			-				FLOW STI	REAM ATT	RIBUTES		ценологованование применя в поставить поставить поставить поставить поставить поставить поставить поставить по				g	
Plate Coefficcient (F _b) (F _p) Mold		Meter or Prover Pressure psia			Press Extension ✓ P _m xh	extension Fact		Flowing Temperature Factor F _{rt}	Deviation Factor F _{pv}		Metered Flow R (McId)		GOR (Cubic Fe Barrel)		f-lowing f'luid Gravity G _#	
						(OPEN FL	OW) (DELIV	/ERABILIT	Y) CALCUL	.ATIONS			(P	$)^2 = 0.20$		
(P _c) ² =		:	(P _w) ² :			P _d =		% (P _c - 14.4) +	- 14.4 =			u)2 :::		
(P _c) ² - (I or (P _c) ² - (I		(P _c) ² - (P _w) ²		1	se formula 1 or 2: $P_c^2 - P_s^2$ $P_c^2 - P_s^2$ set by: $P_c^2 - P_s^2$	LOG of formula 1, or 2, and divide by:	P.2 - P.2	Backpressure Curv Slope = "n" or Assigned Standard Slope		n x	roe [Antil	log	Deliv Equals	Open Flow Deliverability Equals R x Antilog (Mctd)	
Open Flo					Mcfd @ 14.6			Delivera	,			Mcfd @ 1				
											ECEMBER	rt and tha		ias knowl		
	C	OPY	TO KCC Witness						PRE	CISION	WIRELIN	E AND	TEST	'ING		
			FarCom	mina!-						MA	RK_BROCK	alrad by				

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 H&C OIL OPERATING, INC. 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 SOUTHWEST COLLEGE #3
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: 12-21-15 KCC WICHITA DEC 22 2015 RECEIVED 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.