KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			(See Instru	uctions on Re	verse Side)				
Open Flow			Test Date				AD	l No. 15				
Deliverabilty			4/5/11	a.			15-	151-20466-	0000-15-00	17-20466-00-0		
Company		ERATING C	OMPANY, LLC			Lease KNIGH	T-CONNE				Vell Number	
County Location BARBER SW SW NE NE			Section 9		TWP 30S		RNG (E	/W)	,	Acres Attributed		
Field HARDING				Reservoir INDIAN CAVE			Gas Gathering Connection LUMEN ENERGY					
Completion Date 2/15/77				Plug Bac 2865	k Total De	epth		Packer : NONE				
Casing Size Weight 4.500 10.50			Internal Diameter 4.052			Set at Perfora 2946 2720		orations O	то 2732			
Tubing Si 2.375	Tubing Size Weight 2.375 4.70			Internal [1.995	Internal Diameter Set at 1.995 2791			Perforations OPEN		То		
Type Completion (Describe) SINGLE				Type Fluid Production WATER			Pump Unit or Traveling Plunger? Yes / No PUMPING					
Producing Thru (Annulus / Tubing) ANNULUS				% C	% Carbon Dioxide			% Nitrogen		Gas Gra	Gas Gravity - G	
Vertical D	epth(H)				Pre	essure Taps				(Meter F	Run) (Prover) Size	
Pressure	Buildup	Shut in	4/11 2	0 at		(AM) (PM)	Taken_4/	5/11	20	at	(AM) (PM)	
Well on L	ine:	Started	2	0 at		_ (AM) (PM)	Taken		20	at	(AM) (PM)	
		•			OBSERV	/ED SURFAC	E DATA			Duration of Shut-	nHours	
Static / Dynamic Property	Orifice Size (inche:	ze Prover Pressure in		Flowing Temperature t	Temperature Temperatur		(P _w) or (P _L) or (P _C)		Tubing ead Pressure or (P _t) or (P _e) psia	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			,			70	psia	o psig	psia	24		
Flow												
				1	FLOW S	TREAM ATTR	IBUTES		T	····		
Plate Coeffiecient (F _b) (F _p) Mcfd		Meter or Pressure psia Press Extension Prover Pressure		Gravity Factor F _g		Flowing Temperature Factor F _{II}	Deviation Factor F _{pv}		Metered Flo R (Mcfd)	w GOR (Cubic Fer Barrel)	Flowing Fluid Gravity G _m	
(P _c) ² =		: (P _*) ²	= :	(OPEN FL		IVERABILITY % (F) CALCUL ² - 14.4) +			(P _a) ² (P _d) ²	t = 0.207	
(P _e) ² - (I	•	(P _c) ² - (P _w) ²	Choose formula 1 or 2 1. P _o ² - P _a ² 2. P _a ² - P _d ² divided by: P _o ² - P _w	LOG of formula 1, or 2, and divide	P.2. P.2	Backpre Slo	ssure Curve pe = "n" - or signed ard Slope	пх	LOG	Antilog	Open Flow Detiverability Equals R x Antilog (Mcfd)	
Ones Ci-			Maria es a a	SE polo	···	Dallmant				Maria @ 11 05 - 1		
Open Flo			Mcfd @ 14			Deliverat				Mcfd @ 14.65 psi		
	_	•	on behalf of the said report is tru			•			DECEMBER	ort and that he ha	s knowledge of 20 <u>11</u> .	
		Witness	s (If any)			. <u>-</u>	Tu	m t	e de	Company Company	RECEIVED	
			nmission	 -						cked by	DEC 3 0 2011	

exempt status und and that the foreg correct to the best of equipment insta	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC oing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records llation and/or upon type of completion or upon use being made of the gas well herein named. st a one-year exemption from open flow testing for the KNIGHT-CONNERS 1
	ounds 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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 12/20/11	
	Signature: Use R. Halloy C. Title: FIELD MGR.

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.