## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				C	See Instruc	tions on Re	verse Side	)					
Open Flow				Test Date	Test Date:									
Del	liverabi	ity			8/25/11				15-0	095-20172-	00-00		<u>.</u>	
Company WOOLS		ER	ATING COM	PANY, LLC			Lease HEDRK	СК			2	Well f	Number	
County KINGMAN			Location NE NW	Location NE NW		Section 25		TWP 28S		RNG (E/W) 6W		Acres	Attributed	
· · · · · ·				Reservoir MISSISSIPPIAN			Gas Gathering Connection  APG WEST WICE  Packer Set at			TA G	AS			
<b>-</b>				Plug Back 3883	Plug Back Total Depth 3883			Packer Set at NONE		CATH	ERI	<i>1</i> 76		
_			Weight 15.500		Internal Diameter 5.012		Set at 3885		Perforations 3866		To 387	78		
Tubing Size 2.375			Weight 6.75	Internal C 2.441		Diameter Set at 3876		at	Perforations OPEN		То		·	
Type Completion (Describe) SINGLE				Type Flui	Type Fluid Production WATER				Pump Unit or Traveling Plunger? Yes / No PUMPING					
		(Anr	nulus / Tubing)			arbon Dioxi	ide	<del></del>	% Nitrog		Gas	s Gravity	- G	
ANNUL Vertical D		)				Pres	sure Taps				(Me	ter Run)	(Prover) Size	
3872									_					
Pressure	Buildup	):	Shut in <u>8/24/</u>	11 2	0 at		(AM) (PM)	Taken_8/	25/11	20	) at		_ (AM) (PM)	
Well on L	ine:	:	Started	2	0 at	· · · · · · · · · · · · · · · · · · ·	(AM) (PM)	Taken		20	) at		_ (AM) (PM)	
			·			OBSERVE	D SURFAC	E DATA			Duration of S	hut-in	Hours	
Static / Orifice  Dynamic Size  Property (inches		•	Circle one:  Meter  Prover Pressure  psig (Pm)	Pressure Differential in	Flowing Well H Temperature Temper		wellhead Pressure $(P_w) \propto (P_1) \propto (P_c)$		Tubing Wellhead Pressure $(P_w) \propto (P_t) \propto (P_e)$		Duration (Hours)	Lic	Liquid Produced (Barrels)	
Shut-In			pag (Fin)	Inches H <sub>2</sub> 0		<u> </u>	psig 140	psia	psig 0	psia	24	_		
Flow		<b></b> -												
						FLOW STE	REAM ATTR	IBUTES			······			
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P <sub>m</sub> xh	Grav Fac F <sub>(</sub>	Temperature		Fa	iation ctor	Metered Flo · R (Mcfd)	(Cubi	OR ic Feet/ arrel)	Flowing Fluid Gravity G	
(B.)3 -			(B.)2-		•	, ,	/ERABILITY	•				$(P_a)^2 = 0$	0.207	
$(P_c)^2 = {(P_c)^2 - (P_a)^2}$ or $(P_c)^2 - (P_d)^2$		_ · (F	P <sub>c</sub> )² - (P <sub>*</sub> )²	2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	b.5. b.5	% (P <sub>c</sub> - 14.4)  Backpressure Curv Slope = "n"		n x i	Loe [	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
Ones Fla				Maria @ 14	GE nois		Doliversi	nilit.			Model @ 14 Cl	E noin		
Open Flo		<b>an</b> •	d nutharity as t	Mcfd @ 14.	· · · · · ·	statos ibst t	Deliverat	<u> </u>	o maka s	no above **-	Mcfd @ 14.6	•	nulades of	
		-	d authority, on t				-		day of N	OVEMBER		RE	CEIVED	
			Witness (if a	ny)			•	vv ···		For	Company	DEC	3 0 2011	
			For Commiss	ion						Ch	ecked by		WICHITA	

exempt status und and that the foreg correct to the best of equipment insta I hereby reque	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. It is a one-year exemption from open flow testing for the HEDRICK 2 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: 11/9/11	Signature: <u>Win R Hallands</u> 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.