## 15-007-20758-0000

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

Type Test	t:				0	See Instruct	ions on Reve	erse Side	)				
Op	en Flov	,									_		
De	liverabi	lty			Test Date 6/28/11	1:					000 <del>000 00=3</del> 1		
Company		ERA	ATING COM	//PANY, LLC			Lease Z-BAR		<del>-</del>		·	Well Number	
County BARBER	₹		Location SE SW		Section 30		TWP 34S		RNG (E/	W)		Acres Attributed	
Field AETNA					Reservoir MISSIS	SIPPI/ <del>LAN</del>	<del>SINO-</del>			hering Conne KFIELD SEI			
Completic 7/12/79	on Date	•			Plug Back 4937	k Total Dept	h		Packer Set at NONE				
Casing S 4.500	Casing Size 4.500		Weight 10.50		Internal D 4.052	Internal Diameter 4.052		Set at 4968		rations	To -4866-	TO 4866-4284	
Tubing Size 2.375			Weight 4.70		Internal Di 1.995		iameter Set at 4917		Perforations OPEN		То		
Type Con		(Des	scribe)		Type Flui	d Production	1		Pump Ur PUMP	nit or Traveling	Plunger? Yes	/ No	
Producing		(Annı	ulus / Tubing	)	% C	arbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G <sub>e</sub>	
Vertical C		)				Press	sure Taps		- 1 0.	<u>.</u> w-	(Meter F	Run) (Prover) Size	
	Buildup	: S	hut in _6/27	7/11 2	0 at	<del></del>	(AM) (PM) 1	aken_6/	28/11	20	at	(AM) (PM)	
Well on L					0 at		(AM) (PM) 1	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE				Duration of Shut-	inHours	
Static / Dynamic Property	Orific Size (inche		Circle one: Meter Prover Pressui psig (Pm)	Pressure Differential re in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Casin Wellhead P (P <sub>w</sub> ) or (P <sub>i</sub> ) psig	ressure	Wellhe	fubing ad Pressure (P <sub>t</sub> ) or (P <sub>c</sub> ) psia	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In							70	рын	110	psia	24		
Flow													
					<del></del>	FLOW STR	EAM ATTRIE	BUTES	1			·	
Plate Coeffiec (F <sub>b</sub> ) (F Mofd	ient p)	٨	tirde one: Aeter or er Pressure psia	Press Extension P <sub>m</sub> xh	Grav Fact	lor T	Flowing emperature Factor F <sub>11</sub>	Fa	iation ctor	Metered Flov R (Mcfd)	y GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
(P <sub>c</sub> )² =		:	(P <sub>+</sub> ) <sup>2</sup> =_	:	(OPEN FLO	, ,	ERABILITY) % (P.	CALCUL - 14.4) +		•	(P <sub>a</sub> ) (P <sub>d</sub> )	² = 0.207	
(P <sub>e</sub> ) <sup>2</sup> - (I	P <sub>a</sub> ) <sup>2</sup>	(P <sub>e</sub>	)²- (P <sub>w</sub> )²	1. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup> tivided by: P <sub>c</sub> <sup>2</sup> -P <sub>s</sub>	LOG of formula 1. or 2. and divide	P.2. P.2	Backpress Slope	sure Curve = "n" or gned		rog [	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
0 5				14-(-) 6 44			Ball a akili						
Open Flo				Mcfd @ 14.	<del> </del>		Deliverabil				Mcfd @ 14.65 psi		
				behalf of the						e above repo	rt and that he ha	s knowledge of, 20	
			Witness (if			······	_		m K		agh	RECEIVED	
			For Comm	ssion		_				Chec	ked by	DEC 3 0 201	

exempt st and that t correct to	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC he foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records and installation and/or upon type of completion or upon use being made of the goal wall base and application.
l here	ent installation and/or upon type of completion or upon use being made of the gas well herein named.  by request a one-year exemption from open flow testing for the Z-BAR 4
gas weir o	n 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
	er agree to supply to the best of my ability any and all supporting documents deemed by Commission ecessary to corroborate this claim for exemption from testing.
Date: <u>11/</u>	13/11
	Signature: Was Rallagh 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.