KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				•	(See Instruc	tions on Rev	erse Side))				
Open Flow					T . D .				4.00	NI (m			
Deliverabilty					Test Date: API No. 1 9/28/14 15-007-0					00-00			
Company WOOLSEY OPERATING COMPANY, LLC				<u> </u>	Lease RATHGEBER				Well Number				
County Location BARBER NE SE				Section 31		TWP 34S	- •			Acres Attributed			
Field AETNA					Reservoir MISSISSIPPIAN			Gas Gathering Connection ONEOK FIELD SERVICES					
Completion Date 9/30/54				Plug Bac 4970	Plug Back Total Depth 4970			Packer Set at NONE					
Casing Size 5.500			Weigh 14.00	Internal I 5.012	Internal Diameter 5.012		Set at 5000		rations 2	то 4843			
Tubing Si 2.375	ize	Weight 4.70			Internal [1.995	Diameter	Set at 4918		Perforations OPEN		То		
Type Con SINGLE		ı (De	escribe)		• -	Type Fluid Production WATER			Pump Unit or Traveling Plunger? Yes / No PUMPING				
Producing Thru (Annulus / Tubing) ANNULUS				% C	% Carbon Dioxide			% Nitrog	en	Gas Gra	Gas Gravity - G _g		
Vertical D	epth(F	I)				Pres	sure Taps				(Meter F	Run) (Prover)	Size
4813													
Pressure	Buildu										at	*	-
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (F	°M)
	<u> </u>					OBSERVE	D SURFACE	DATA			Duration of Shut-i	n	Hours
Static / Orifice Oynamic Size Property (inches		е	Circle one: Meter Prover Pressu		Flowing Temperature f	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure $(P_w) \text{ or } (P_c)$		Duration (Hours)	Liquid Produ (Barrels)	
Shut-In			psig (Pm)	Inches H ₂ 0	•		psig 30	psia	psig 20	psia	24		
Flow													\neg
						FLOW STR	REAM ATTRIE	BUTES				J	
Plate	,		Circle one:	Press	Grav	dtu	Flowing	Dovi	iation	Matarad Clay	v GOR	Flow	ving
Coeffictient		Pro	Meter or ver Pressure	Extension	Fac	tor	emperature Fa		actor R		(Cubic Fee	et/ Flu	
(F _b) (F _p) Mcfd		,,,	psia	✓ P _m xh	F _s	ı	F _{ft}	F _{pv}		(Mcfd)	Barrel)	Gravity G _m	
			"										\neg
					(ODEN EL	OW/\ /DEL IV	'ERABILITY)	CALCU	ATIONS				
(P _c) ² =		_:	(P _w) ² =	:	P _d =		•	- 14.4) +		:	(P _a)² (P _d)²	= 0.207 =	_
			<u> </u>	Choose formula 1 or 2	:		Backpress					Open Flor	
(P _c) ² - (F	۲۵)2	(1-	'¿)²- (P")²	1. P _c ² - P _a ²	LOG of formula 1, or 2.		Slope) = "N");	n x L	og Do	Antilog	Deliverabil	lity
(P _c)²- (F	P _d }2			2. P _c ² - P _d ² divided by: P _c ² - P _d ²	and divide	P.2 - P.2	Assi Standar	gned d Slope				Equals R x A (Mcfd)	ntilog
					 		+	<u>'</u>	-		i		
	Ì				-				_				$\overline{}$
							<u> </u>	_					
Open Flov	w			Mcfd @ 14.	65 psia		Deliverabili	ity			Mcfd @ 14.65 psia	<u>a</u>	
The u	undersi	gnec	authority, or	n behalf of the	Company, s	states that h	ie is duly autl			•	rt and that he ha	s knowledge	of
the facts s	tated tl	nerei	n, and that sa	id report is true	and correc	t. Executed	this the 17		day of N	OVEMBER		, 20 _14	· ·
					KANSAS	Receiv	/ed ON COMMISSION	Win	P(Xalla.	us Q		
			Witness (it	any)						For C	company		
			For Comm	ission		JEC 3 1	ZU14	-		Chec	ked by		

CONSERVATION DIVISION WICHITA, KS

	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request us under Rule K.A.R. 82-3-304 on behalf of the operator <u>WOOLSEY OPERATING CO., LLC</u>									
and that the foregoing pressure information and statements contained on this application form are true and										
	e 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										
	the grounds that said well:									
l further	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 ragree to supply to the best of my ability any and all supporting documents deemed by Commission essary to corroborate this claim for exemption from testing.									
	Signature: <u>Um l'Olallay ()</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.