KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flov	,	_			(See Ins	truct	ions on Re	verse Side	;)						
Deliverabilty					Test Date: 8/25/11					API No. 15 15-095-21944-0000							
Company	,					0/23/11			Lease			093-21944-		•••	Well Nu	mber	
WOOLSEY OPERATING COMPANY, LLC					MESSENGER							#1					
County Location KINGMAN 330 FSL & 2310 FWL				Section 7					RNG (E/W) 6W				Acres A	Attributed			
Field MESSENGER					Reservoir MISSISSIPPI				Gas Gathering Connection ONEOK FIELD SERVICES								
Completic 4/5/05	on Date)				Plug Bacl 4221	k Total (Dept	h		Packer S	Set at					
Casing Size Weight 4.500 10.50				Internal D 4.052	Internal Diameter 4.052			Set at 4131		rations 6	то 4096						
Tubing Si 2.375	bing Size Weight 375 4.70			Internal Diameter 1.995			Set at 4131		Perfo OPI	rations EN	То						
					Type Fluid Production OIL,WATER				Pump Unit or Traveling Plune PUMPING				/ No				
Producing Thru (Annulus / Tubing) ANNULUS				% C	% Carbon Dioxide				% Nitrogen			Gas Gravity - G					
Vertical D)					F	res	sure Taps					(Meter I	Run) (P	rover) Size	
Pressure	Buildup): {	Shut in 8/2	4/1	11 20	D at			(AM) (PM)	Taken_8	/25/11	20	at_			(AM) (PM)	
Well on L	ine:											20	at .		<u>-</u> -	(AM) (PM)	
							OBSE	RVE	D SURFAC	E DATA			Duration	n of Shut-	in	Hours	
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Well Hea Temperature Temperatu			e Wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)			Liquid Produced (Barrels)	
Shut-In		_	paig (r iii)	-	menes 11 ₂ 0				psig 100	psia	psig 0	psia	24				
Flow																	
				,_			FLOW	STR	EAM ATTR	RIBUTES						,	
Plate Coeffiecient (F _b) (F _p) Mcfd		Decreas Decreases		Press Extension P _m x h	Grav Fact F	tor Te		emperature Fac		tation Metered Flow ctor R (Mcfd)		w GOR (Cubic Fee Barrel)			Flowing Fluid Gravity G _m		
																:	
(D.)2			(D. \2			•			ERABILITY % (I	-				(P _a) (P _d)	$r^2 = 0.2$	07	
$\frac{(P_c)^2 = {(P_e)^2 - (P_a)^2}}{\text{or}}$ $\frac{(P_c)^2 - (P_d)^2}{(P_c)^2 - (P_d)^2}$		(P _a) ² - (P _w) ²		Choose formula 1 or 2: 1. Pc² - Pc² 2. Pc² - Pc² divided by: Pc² - Pc²		P _d =		Backp S		P _c - 14.4) + essure Curve ope = "n" or essigned dard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
						-											
Open Flo	<u> </u> w				Mcfd @ 14.6	55 psia	···		Deliverat	bility			Mcfd @	14.65 ps	l ia		
		•	•			• •			-			ne above repo	ort and th	nat he ha		•	
the facts s	tated th	erei	n, and that s	aid	report is true	and correc	t. Exec	uted	this the <u></u>		day of L	ECEMBER	1 1/1		/	₂₀ <u>11 </u>	
			Witness (il an	у)			_	-		<u> </u>	For	Company	ru.	,		
			Far Com	nissk	on			_				Che	cked by		UE	C 3 0 21	

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 WOOLSEY OPERATING CO., LLC 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 MESSENGER 1 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: _12/20/11
Signature: Whe R Hollow 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.