KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruc	tions on Re	verse Side	9)				
Op	en Flow	1			Test Date	a:			API	No. 15			
Del	iverabil	ty			6/7/11	•				007-20091-0	00-00		
Company WOOLS		ER	ATING CO	MPANY, LLC	:		Lease HAYNE	s			1	Well Nu	mber
County Location BARBER NW NE				Section 3		TWP 31S			W)	Acres Attributed		ttributed	
Field ALMA				Reservoir MISSIS	SIPPIAN			Gas Gathering Connection ONEOK-FIELD SERVICES WES				······································	
Completion Date 3/30/69				Plug Bac	Plug Back Total Depth 4516			Packer S NONE	Set at		CATHERING		
Casing Si					Internal E 4.052	Diameter	Set :		Perforations 4462		To 4484		
Tubing Size Weight				Internal [Diameter	Set a	at	Perforations		To			
2.375 4.70 Type Completion (Describe)				Type Flui	1.995 4511 Type Fluid Production			OPEN Pump Unit or Traveling Plunger? Yes / No					
roducing		'Ann	ulus / Tubino	3)	OIL, W	ATER	ide		PUMP % Nitrog		Gas Gr	avity - 0	 B_
NNUL													<u> </u>
Vertical D 1479	epth(H)					Pres	ssure Taps				(Meter	Hun) (Pi	rover) Size
Pressure	Buildup	: \$	Shut in _6/6/	/11	20 at		. (AM) (PM)	Taken 6/	7/11	20	at	(AM) (PM)
Vell on L	ine:	5	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	ED SURFAC	E DATA			Duration of Shut-	in	Hours
Static / Dynamic Property	Orific Size (inche			Meter Differential in		Well Head Temperature t	I Wallhaad Praceura		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₀)		Duration Liquid Produc (Hours) (Barrels)		
Shut-In			psig (Pm)	Inches H ₂ 0			psig 105	psia	psig 0	psia	24		
Flow			· · · · · · · · · · · · · · · · · · ·										
					·	FLOW STI	REAM ATTR	IBUTES		.1	l	1	
Plate Coeffieci (F _b) (F Mcfd	ient ,)		Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m xh	Gra Fac F	tor	Flowing Temperature Factor F ₁₁	mperature Factor		Metered Floo R (Mcfd)			Flowing Fluid Gravity G _m
				<u> </u>	(ODEN EI	OW) (DELI)	/ERABILITY) CALCIII	ATIONS				
)²=		:	(P _w) ² =	:	P _d =			P 14.4) +		:	(P _a) (P _d)	$r^2 = 0.2$ $r^2 = 0.2$	07
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² · (P _w) ²		1. P _c ² - P _d ² 2. P _c ² - P _d ² divided by: P _c ² - P _d	LOG of formula 1. or 2. and divide		Backpre Slo	Backpressure Curve Slope = "n"		rog 📗	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				·									
												<u> </u>	
Open Flo	w			Mcfd @ 14	.65 psia		Deliverat	bility			Mcfd @ 14.65 ps	ia	
			•	n behalf of the			_	·		OVEMBER	Y. 00	s know	eceived
			Witness (i	if any)				w	m k		Company	496	- 3 0 2 011
			For Comm	nission			•			Che	ecked by	KC.C	WICHIT

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized exempt status under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO. and that the foregoing pressure information and statements contained on this application form a correct to the best of my knowledge and belief based upon available production summaries and less of equipment installation and/or upon type of completion or upon use being made of the gas well hereby request a one-year exemption from open flow testing for the HAYNES 1 gas well on the grounds that said well:	are true and ase records
and that the foregoing pressure information and statements contained on this application form a correct to the best of my knowledge and belief based upon available production summaries and lead of equipment installation and/or upon type of completion or upon use being made of the gas well her I hereby request a one-year exemption from open flow testing for the HAYNES 1 gas well on the grounds that said well:	are true and ase records
of equipment installation and/or upon type of completion or upon use being made of the gas well her I hereby request a one-year exemption from open flow testing for the HAYNES 1 gas well on the grounds that said well:	
I hereby request a one-year exemption from open flow testing for the HAYNES 1 gas well on the grounds that said well:	rein named.
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 b staff as necessary to corroborate this claim for exemption from testing.	y Commission
Date: <u>11/9/11</u>	
Signature: Wan Nallaugh Title: FIELD MGR.	2

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.