KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:					(See Inst	ructi	ions on Rev	erse Sid	θ)						
Op	en Flov	٧				Test Date	n:					API N	n. 15				
Del	iverabi	lty			·	8/15/14	·•						7-20091-0	0-00			
Company WOOLSI		ER	ATING CO	MP	ANY, LLC				Lease HAYNE	S				1	٧	Vell Nut	mber
County BARBER	₹		Locat NW N		-	Section 3			TWP 31S	_	RN 10\	G (E/W W	"		A	cres A	ttributed
Field ALMA						Reservoir MISSIS		V					ring Conne		ERING	3	
Completic 3/30/69	n Date)			•	Plug Bac 4516	k Total D	ept	h			ker Se ONE	t at				
Casing Si 4.500	ze		-	Weight 10.50			Internal Diameter 4.052			Set at 4540		Perforations 4462		то 4484			
Tubing Si 2.375	ze		Weigi 4.70	Weight 4.70		Internal D 1.995		ameter Set 45					tions V	To	То		
Type Com		(De	escribe)		<u> </u>	Type Flui OIL, W		ction	1			np Unit	or Traveling	Plunger?	Yes /	/ No	
	Thru	(Ann	ıulus / Tubin	g)		% Carbon Dioxide						Nitrogen			Gas Gravity - G _g		
Vertical D)		_			P	ress	sure Taps					(M	leter R	lun) (Pr	over) Size
4479			0/4	C 14							14.01	4.4					
Pressure	Buildup): {	Shut In 8/1	5/1	2	0 at		_	(AM) (PM)	Taken_8	/16/	14	20	at		(AM) (PM)
Well on Li	ine:	\$	Started		20	0 at		_	(AM) (PM)	Taken			20	at		(AM) (PM)
							OBSE	₹VE	D SURFACI	E DATA				Duration of	Shut-i	ņ	Hours
Static / Dynamic	Orific Size	Ze Prover Pressure		ure	in i		Well Head Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)			Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₀)		Duration (Hours)		Liquid Produced (Barrels)	
Property	(inche	18)	psig (Pm)	-	Inches H ₂ 0	<u> </u>			psig	psia		psig	psia				
Shut-In Flow				_	;				175		°			24			
FIOW							FLOW:	STR	EAM ATTR	IBUTES			<u> </u>				
Plate			Circle one:	Τ	Press	Grav			Flowing		viation		Metered Floy		GOR		Flowing
Coeffieci			Meter of over Pressure		Extension	Fac	tor	r Terr		nperature Fac		otor R		(Cubic Fee		et/	Fluid Gravity
	(F _b) (F _p) Pro		psia		√ P _m xh	F,			F _{ft}			ру (М		d) Barre		G G	
				<u> </u>						<u> </u>							
'D \2 —			/6 \2	_		•			ERABILITY	•						= 0.2	07
(P _c) ² =	Т	<u>-:</u>	(P _w) ² :		ose formula 1 or 2.	P _a =		<u> </u>		2 _c - 14.4) ·			 :	_	(P _d) ²		
(P _o) ² - (F	2 _a)²	(P	c)2- (P _w)2		1. P _c ² - P _s ²	LOG of formula			Slop	ssure Curv pe = "n"		n x LC	og	B 499 .			en Flow iverability
or (P _c) ² - (F	2 ₀)2		Į		2. P _c ² -P _d ²	1. or 2. and divide	P ₀ 2 - P _w	2	As	or signed	-			Antilog		Equals	R x Antilog
	_			divid	led by: P _o ² - P _o ²	by:	<u> </u>		Stand	ard Slope	\dashv						(Mcfd)
	_				<u> </u>				 -		\dashv						
Open Flor	w				Mcfd @ 14.	 65 psia			 Deliverab	ility				Mcfd @ 14.	65 psia	a.	
•		aner	authority, o				states th	at h			to ma	ake the					ledge of
		_	n, and that s						•				PTEMBER				20 <u>14</u> .
					•			-				R	J.	n [\mathcal{F}	,	
		_	Witness	(if an	y)			_	-	u	<u>un</u>	JC.	For	company)	KAN	ISAS CO	Received RPORATION COM
			For Com	nissio	on -			_	-	_			Che	cked by		חר	T 2 2 201

exempt status und and that the fore correct to the bes	er penalty of perjury under the laws of the state of Kansas that I am authorized to request fer Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC going pressure information and statements contained on this application form are true and tof my knowledge and belief based upon available production summaries and lease records
	allation and/or upon type of completion or upon use being made of the gas well herein named.
	est a one-year exemption from open flow testing for the HAYNES 1
jas well on the gi	ounds that said well:
(Check	one)
, 	is a coalbed methane producer
	is cycled on plunger lift due to water
Ħ	is a source of natural gas for injection into an oil reservoir undergoing ER
\Box	is on vacuum at the present time; KCC approval Docket No
\overline{\sigma}	is not capable of producing at a daily rate in excess of 250 mcf/D
_	e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
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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.