KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test Op			_		Test Date	: :	truct	ions on Re	verse Sid	— — le)	API N	o. 15 07-23232-	00.00					
Company	ŗ		ATING CC	ME	PANY II C	9/25/14	_		Lease LOGAN	Lease)1-23232-	Well Number 6-X				
WOOLSEY OPERATING COMPANY, LLC County Location BARBER E2 SE NE					Section	Section 19			TWP R			RNG (E/W)			Acres Attributed			
Field					Reservoi	Reservoir MISSISSIPPIAN			Gas Gatheri APC			ering Conn	ection					
Completion Date 1/16/08				Plug Back Total Depth 5047			h	Packer Se NONE			t at				-			
Casing Si 4.500	asing Size Weight 500 10.50				Internal 0 4.052	Internal Diameter 4.052			Set at 5089			tions		то 4824				
Tubing Si 2.375					Internal Diameter 1.995			Set a				tions V	٦	Го				
Type Completion (Describe) SINGLE						Type Fluid Production WATER			Pump Unit or Tra PUMPING				veling Plunger? Yes / No					
Producing Thru (Annulus / Tubing) ANNULUS						% C	% Carbon Dioxide			% Nitrogen			1	Gas Gravity - G _a				
Vertical D 4731	epth(H	l)					F	Press	sure Taps					(Meter F	Run) (Pr	over) Size	
Pressure	Buildu	p: :	Shut in _9/2	24/1	14 2	0 at		_	(AM) (PM)	Taken_9	/25/	14	20	at		(AM) (PM)	
Well on L	ine:	;	Started		20	0 at		_	(AM) (PM)	Taken			20	at		(AM) (PM)	
							OBSE	RVE	D SURFAC	E DATA				Duration o	f Shut-i	n	Hours	
Static / Dynamic Property	Orifice Size (inches)		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well He Tempera t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)			Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)			Liquid Produced (Barrels)	
Shut-In			P ()		1110100 1120	···-			120	psia	40	psig O	psia	24				
Flow																		
	ī			_			FLOW	STR	EAM ATTR	IBUTES								
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Extension F		avity Te		Flowing emperature Factor F _{II}	re Deviati Facto F _{pv}		tor R		W GOR (Cubic Feet/ Barrel)		et/	Flowing Fluid Gravity G _m	
								-										
(P _c)² =		:	(P _w)² :	3	:	(OPEN FL	OW) (DE		ERABILITY % (F	') CALCU ² 14.4) ·			:		(P _a)² (P _d)²	= 0.2	07	
(P _c) ² - (F or (P _c) ² - (F	_	(P _c) ² - (P _w) ²		Cho	nose formula 1 or 2; 1. P _c ² - P _s ² 2. P _c ² - P _d ² ded by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide	LOG of formula 1. or 2. and divide P2_P2		Backpressure Cur Slope = "n" or Assigned Standard Slope				og [Antilo		Open Flow Deliverability Equals R x Antilog (Mcfd)		
					 .						-							
Open Flow Mcfd @ 14.65				 65 psia	LL 5 psia					 			 ⊋ 14.65 psia					
		gnec	authority, o	on b	ehalf of the		states th	at h		•	to m	ake the	above rep				ledge of	
he facts st	tated th	nerei	n, and that s	aid	report is true	and correc	t. Exec	uted	this the _2			_	TOBER)	:	20 <u>14</u>	
			Witness	(if an	у)			_	-	The	1 K		Ally	Jompany	KANS	R S CORP	eceived ORATION COMM	
ж			For Com	missio	on			_	-				Che	ecked by		OCT	2 2 20 14	

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 LOGAN 6X 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: 10/20/14
Signature: What Signature: 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.