KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				((See Instruc	tions on Rev	rerse Side	?)					
Open Flow					Tool Date:				API No. 15 -023-20901-00-00					
☐ De	liverat	ilty			Test Date	9:			API	No. 15 -020	-2030 1-00-00			
Company Foundation Energy Management, LLC					Lease ZWEYGARDT				Well Number 32-05					
County Location					Section				ANG (E/\		Acres Attributed			
CHEYENNE SWNE				5	48	48		41W						
Field CHERRY CREEK						Reservoir NIOBRARA			Gas Gathering Connection Southern Star/Kinder Morgan					
Completion Date 2/13/2008				Plug Bac 1511'	Plug Back Total Depth 1511'			Packer Se	et at					
Casing Size			Weig	ht	Internal I	Internal Diameter		Set at		Perforations		То		
7", 41/2"				7#, 10.5#		6.538, 4.052		232', 1554'				1428'		
Tubing Si 2-3/8	ize		Weig	ht 4.7#		Internal Diameter 1.995		Set at 1363'		Perforations		То		
Type Completion (Describe) SINGLE (GAS)				• •	Type Fluid Production SALTWATER			Pump Unit or Traveling Plunger? Yes / No Yes-Rod Pump						
	<u> </u>		nulus / Tubir	ng)		% Carbon Dioxide							Gas Gravity - G	
ANNUL	LUS												•	
Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size										over) Size				
Pressure	Buildu	p:	Shut in	11/4	20_14_at_	9:30 AM	(AM) (PM)	Taken		20	at	(/	 \М) (PM)	
Well on Line: Started11/5				11/5	20 <u>14</u> at <u> </u>	9:30 AM	(AM) (PM)	(AM) (PM) Taken		20	at (AM) (PM)		4M) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in2	4 Hours	
_ ,		fice Circle one		Pressure Differential	Flowing	Well Head	Casing Wellhead Pressure		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration Liquid Pro		Brodused	
		Size Prover Pres psig (Pri		<i>ure</i> in	Temperature t	Temperature t	(P _*) or (P _t) or (P _c)				Duration Liquid Produced (Hours) (Barrels)			
Shut-In				-			38	ращ	parg	рыя	DEL 1	<u> </u>	****	
Flow													-	
L1				<u>'</u>		L FLOW STE	REAM ATTRI	BUTES	1	<u> </u>	REC	EIVE	<u>.</u>	
Plate			Circle one:				Flowing						Flowing	
Coeffiecient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia		Press Extension	Grav Fac		Temperature		viation Metered Flow actor R F _{P+} (Mcfd)		GOR (Cubic Fe	et/	المنظ	
				√ P _m xh	F		Factor F _{ii}				Barrel)		Gravity G _m	
		-	·				· N		+					
\ <u></u>	1				(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS	-	(P_)	2 ≃ 0.20	1 17	
(P _c) ² =		_:	(P _w) ² :	=:	P _d =		% (P	- 14.4) +	14.4 ≈	:	(P _d)			
/D 12 /S	D \2	(5	1 \2 (D \2	Choose formula 1 or	2: LOG of	ГП		sure Curve		Г٦		Ope	en Flow	
$(P_o)^2 - (P_a)^2$ or $(P_c)^2 - (P_a)^2$		(P _c) ² - (P _w) ²		1. P _c ² -P _s ² 2. P _c ² -P _d ²	formula 1. or 2.		Stope = "n"		n x Le	og	Antilog	1	verability	
(P _c) ² - (F	وم)2			divided by: Pc2 - P	and divide	P _c ² - P _w ²		signed ard Slope					R x Antilog Mcfd)	
				2710cu 27. 1 c	w									
														
Open Flow Mcfd @ 14.65 p					I.65 psia	psia Deliverability			Mcfd @ 14.65 psia					
											t and that he ha			
the facts st	tated t	herei	n, and that s	aid report is tru	e and correc	t. Executed	this the		day of	DEC	FINDEL	,2	o <u>14</u> .	
			Witness	(if any)			_			ForC	отралу			
			· · · · · · · · · · · · · · · · · · ·			<u>.</u>	_							
			For Com	mission						Chec	ked by			

I declare under penalty of perjury under the laws of t exempt status under Rule K.A.R. 82-3-304 on behalf of the	
and that the foregoing pressure information and stateme	
correct to the best of my knowledge and belief based upor	• "
of equipment installation and/or upon type of completion or	
I hereby request a one-year exemption from open flow	714/51/04/55 7.00
gas well on the grounds that said well:	
is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection i is on vacuum at the present time; KCC is not capable of producing at a daily re I further agree to supply to the best of my ability any a staff as necessary to corroborate this claim for exemption	approval Docket Noate in excess of 250 mcf/D
Date: 12/5/2014 KCC W!CHITA: DEC 11 2014 RECEIVED	
EC 11 2014	
DEC .	
	(Kichiel nathu
Signature:	OPERATIONS ASSISTANT
Title:	OI LIGHTONS ASSISTANT

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.