KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Rev	erse Side	e)				
Open Flow Deliverabilty				Test Date	= :		API No. 15 15-023-20852-00-00						
Company FOUNDATION ENERGY MANAGEMENT, LLC							Lease ZWEYGARDT			Well Number 32-33			
County Location CHEYENNE SWNE				Section 33		TWP 3S			RNG (E/W) 41W		Acres Attributed		
Field CHERRY CREEK				Reservoir NIOBRARA			·	Gas Gathering Conne SOUTHERN STAR		ection VKINDER MORGAN			
Completion Date 1/24/2008				Plug Back Total Depth 1592'		th		Packer S	et at				
Casing Size 7", 41/2"			Weigh 17#, 1		Internal Diameter 9-7/8",61/4"		Set at 242', 1635'		Perforations 1392'		то 1434'		
Tubing Size 2-3/8"			Weigh 4.7 #		Internal Diameter 1.995"		Set at 1481'		Perforations		То		
Type Completion (Describe) SINGLE (GAS)					d Production	n	Pump YES		nit or Traveling	Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing) TUBING					% C	Carbon Dioxi	de		% Nitrogen		Gas Gravity - G		
Vertical D	Depth(F	1)				Pres	sure Taps				(Meter F	Run) (P	rover) Size
Pressure	Buildu	•	Shut in _2/2!	5 2	0_14_at_1	0:00 AM	(AM) (PM)	Taken		20	at		(AM) (PM)
Well on L	.ine:		Started 2/26	<u> </u>	0 <u>14</u> at <u>1</u>	0:45 AM					at		
	, — —					OBSERVE	D SURFACE	DATA			Duration of Shut-	n_24	.75 Hours
Static / Dynamic Property	Dynamic Size		Circle one: Mater Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Hea Temperature Temperatu		Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)				id Produced Barrels)
Shut-In	Shut-In		poig (i my	monos rigo			psig	psia 75	psig	psia			
Flow						<u> </u>							
Diete			Circle one:		1		Flowing	BUTES					Flowing
Plate Coefficcient (F _b) (F _p) Mcfd		Pro	Meter or over Pressure psia	Press Extension P _m x h	Grav Fac	tor	Temperature		eviation Metered Flor factor R F _{pv} (Mcfd)		GOR (Cubic Feet/ Barrel)		Fluid Gravity G _m
							_					_	
(D.)2.			/D \2		-		ERABILITY)			•		= 0.2	207
$(P_c)^2 = {(P_c)^2 - (P_a)^2}$ or $(P_c)^2 - (P_d)^2$		· (F	(P _w) ² - (P _w) ²	Choose formula 1 or 2 1. P _c ² -P _a ² 2. P _c ² -P _d ² tivided by: P _c ² -P _a ²	LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n"		n x 106		Antilog	Antilog	
											· · ·		
0 5		11-54 6 444			S5 neig		Deliverability		Mcfd @ 14.65 psi				
Open Flor		iana	d authority or	Mofd @ 14.		states that h		-	n makn th		·		ledge of
		-	•		, ,		-			•	rt and that he ha		20 <u>14</u> .
						R	eceived — ORATION COMM		_				
			Witness (il								отралу		
			ForComm	ssion	· · · · · ·	SEP	15 2014	}		Chec	ked by		

CONSERVATION DIVISION WICHITA, KS

I declare under penalty of perjury under the laws of the state of exempt status under Rule K.A.R. 82-3-304 on behalf of the operator and that the foregoing pressure information and statements contain correct to the best of my knowledge and belief based upon available of equipment installation and/or upon type of completion or upon use I hereby request a one-year exemption from open flow testing for gas well on the grounds that said well:	red on this application form are true and production summaries and lease records being made of the gas well herein named.
(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 r is on vacuum at the present time; KCC approval D is not capable of producing at a daily rate in exce	porting documents deemed by Commission
Date: 9/11/2014	7
Received KANSAS CORPORATION COMMISSION SEP 15 2014 CONSERVATION DIVISION WICHITA, KS	S 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.