KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				İ	(See Instruc	tions on Rev	erse Side	e)					
= :	en Flo eliverab				Test Date	Test Date:				API No. 15 15-023-20970-00-00				
Company FOUNDATION ENERGY MANAGEMENT, LL						Lease LC ZIMBELM			_		12-31	Well Number 12-31		
County Location CHEYENNE S2-NW-SW-NW				Section 31	-		TWP 3S		RNG (E/W) 41W		Acres Attributed			
						Reservoir NIOBRARA			Gas Gathering Connection SOUTHERN STAR/KINDER MORGAN					
Completion Date 3/13/2008				Plug Bac 1694'	Plug Back Total Depth 1694'			Packer Set at						
Casing Size 7", 41/2"			Weig 17#,	tht 11.6#		Internal Diameter 9-7/8",61/4"		Set at 302', 1729'		Perforations 1506'		то 1544'		
Tubing S 2-3/8""	ize		Weig 4.7#		Internal 1.995"	Internal Diameter 1.995"		Set at 1573'		Perforations		То		
						Type Fluid Production SALTWATER			Pump Unit or Traveling Plunger? Yes / No YES					
Producing TUBING	-	(An	nulus / Tubi	ng)	% (Carbon Dioxi	ide		% Nitroge	en	Gas Gra	avity - G	9	
Vertical D	Depth(H	1)				Pres	sure Taps				(Meter F	Run) (Pro	over) Size	
Pressure	Buildu	ıp:	Shut in 1/	16	20_14 at 1	2:30 PM	(AM) (PM)	Taken		20 .	at	(/	M) (PM)	
Well on Line:			Started 1/	17	20at	14 at 12:30 PM		(AM) (PM) Taken		20		at(AM) (
	_					OBSERVE	D SURFACE	DATA			Duration of Shut-	24	Hours	
Static / Dynamic Property	amic Size		Circle one Meter Prover Pres. psig (Pm	Differential sure in	1	Well Head Temperature t	emperature Wellhead F		Wellhea	ubing ad Pressure (P _t) or (P _a)	Duration (Hours)	1 1		
Shut-In	1						psig psia							
Flow														
				1		FLOW STF	REAM ATTRI	BUTES				1		
Plate Coeffiec (F _b) (F Mcfd	ient)	t Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Gra Fac F	tor	Temperature F		viation Metered Flow actor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel)	eV .	Flowing Fluid Gravity G _m	
								ļ						
(P _c) ² =			(P.)2	=:	(OPEN FL		'ERABILITY) % (P.		.ATIONS - 14.4 =	•	(P _a); (P _a);	e 0.20	7	
(P _c) ² - (I	P _a) ² (P _c) ² - (P _w) ²	Choose formula 1 or 1. P _c ² -P _a ² 2. P _c ² -P _c ² divided by: P _c ² -P _c	LOG of formula 1. or 2. and divide		Backpres Slope				Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flo	w			Mcfd @ 14	.65 psia		Deliverabil	itv			// // // // // // // // // // // // //	a		
-		igner	authority			states that h			o make the		t and that he ha		edae of	
		_	•	said report is tru	e and correc		this the 29			•			o <u>14</u> .	
			Witness	(if any)	SE	P-0-3-2	014 -			For Co	отралу			
			ForCon	nnission	CONSE V	RVATION DIV VICHITA, KS	ISION			Check	ed by			

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 Foundation Energy Management, 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 ZIMBELMAN 12-31 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: 8/29/2014
Signature: Xulu Nathur
Title: OPERATIONS 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 Beceived to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was some properties of annual test results.

SEP 0 3 2014