KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					6	See Instruci	tions on Re	verse Side))				
Open Flow Deliverabilty						Test Date:				API No. 15 15-023-20853-00-00				
Company		l EN	ERGY MA	NAGEME	NT, L	LC.		Lease ZWEYG	Lease ZWEYGARDT			Well Number 31-33		
County Location CHEYENNE NWNE					Section 33		TWP 3S		RNG (E/W) 41W		Acres Attributed			
Field CHERRY CREEK					Reservoir NIOBRA		•		Gas Gathering Co SOUTHERN ST		onnection AR/KINDER MORGAN			
Completion Date 1/24/2008					Plug Back 1557'	k Total Dept	th			et at				
Casing S 7", 41/2"	ize		Weight 17#, 10.5#			Internal D 6.538",		Set at 236', 1609'		Perforations 1393'		то 1434'		
Tubing S 2-3/8""	ize		Weight 4.7#			Internal D 1.995"	Diameter	-	Set at 1474'		rations	То		
Type Completion (Describe) SINGLE (GAS)						Type Fluid SALTV	d Production VATER	n				or Traveling Plunger? Yes / No UMP UNIT		
Producing Thru (Annulus / Tubing) ANNULUS						% C	arbon Dioxi	de	Э		en	Gas Gravity - G		
Vertical E	Pepth(H)					Pres	sure Taps			·	(Meter F	Run) (Prover) Si	
Pressure	Buildu	p: 5	Shut in1/2	28		15 at 1:						at		
Well on Line:		9	Started _1/29		20	20 15 at 1:30 PM		(AM) (PM) Taken		20		at	(AM) (PN	
							OBSERVE	D SURFACE	E DATA			Duration of Shut-	in_24H	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Press psig (Pm	Differer	essure Flowing ferential In thes H ₂ O		Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _I) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _l) or (P _c) psig psia		Duration (Hours)	Liquid Produce (Barrels)	
Shut-In								Pog	78	, , , , , , , , , , , , , , , , , , ,	polici			
Flow														
							FLOW STR	REAM ATTR	BUTES					
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h		Gravity Factor F _g		Temperature F		viation Metered Flow actor R F _{pv} (Mcfd)		w GOR (Cubic Fee Barrel)	Flowin Fluid Gravit G _m	
L														
(P _c) ² =		_:	(P _w) ²	=		•		ERABILITY) % (F	CALCUL 14.4) +		:	$(P_a)^2$ $(P_d)^2$	= 0.207 =	
$(P_a)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _e) ² - (P _w) ²		Choose formula 1 or 2: 1. P _c ² - P _e ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Ant (Mcfd)	
Open Flo	w			Mcfd @	14.6	5 psia		Deliverab	ility			Mcfd @ 14.65 psi	a	
		-	•					•			•	ort and that he ha	· ·	
the facts s	tated th	nereir	, and that	said report is	true					day of <u>F</u>	EBRUARY		, ₂₀ <u>15</u>	
			Witness	(if any)		KA		Ceived RATION COMM			For (Company		
		•	For Com	mission			FEB	09 2015	·		Che	cked by		
							CONSERVAT	TION DIVISION ITA, KS						

• • • • • • •	er the laws of the state of Kansas that I am authorized to request on behalf of the operator Foundation Energy Management, LLC									
	on 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 ZWEYGARDT 31-33										
gas well on the grounds that said well:										
3										
(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	n for exemption from testing.									
•										
Date: 2/6/2015										
S	Signature: Xukle Trather									
Received KANSAS CORPORATION COMMISSION	Title: OPERATIONS ASSISTANT									
	Title: C. Electrone Acole (7.44)									
FEB 0 9 2015										
CONSERVATION DIVISION WICHITA, KS										

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.