KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instrud	tions on Rev	rerse Side	a)				
Open Flow							-20946-00-00						
De	liverat	oilty			Test Date):			API	No. 15 -020-	20340-00-00		
Company	,						Lease					Well Number	
Found	ation	Ene	ergy Mana	gement, LL0		Z	WEYGAR	DT				31-32B	
County			Locat		Section	00	TWP		RNG (E	/W) 1W	•	Acres Attributed	
CHEYE Field	ININE		NWN	<u> </u>	Reservoir	32	38)			etion.		
CHERRY CREEK					NIOBRARA			Gas Gathering Connection Southern Star/Kinder Morgan					
Completi		te				k Total Dep	th		Packer S	Set at			
3/27/20 Casing S			Weigl	nt	1711'	Nameter	Set a	•	Porto	rations	То		
7", 41/2"			_	17#, 10.5#		3, 4.052	298', 1753'		1460'		1518'		
Tubing Size Wei			Weigl	nt	Internal Dia				Perforations		То	То	
2-3/8		- (5		4.7#		995		535'	B 11	.,	D(0		
Type Cor						d Productio NATER	n		Pump U	nit or Traveling		/ No lod Pump	
Producing Thru (Annulus / Tubing)						% Carbon Dioxide				en		Gas Gravity - G _g	
ANNUL													
Vertical D	epth(l	1)				Pres	ssure Taps				(Meter F	Run) (Prover) Size	
		-		11/10	14 2	2:30 PM							
Pressure	Buildu	ıp;	Shut in									(AM) (PM)	
Well on L	ine:	:	Started	11/11 2	0 <u>14</u> at <u></u>	2.30 PW	. (AM) (PM)	Taken		20 .	at	(AM) (PM)	
						OBSERVE	ED SURFACE	DATA		1	Ouration of Shut-	in 24 Hours	
Static / Orifice		ice	Circle ono: Pressure		Flowing Well Head		Casing		Tubing				
Dynamic	Siz		Meter Prover Press	Differential ure in	Temperature t	Temperature	Wellhead I (P_) or (P,			ad Pressure r (P _e) or (P _e)	Duration (Hours)	Liquid Produced (Barrels)	
Property	(inch	ies)	psig (Pm)	Inches H ₂ 0	ι	t	psig	psia	psig	psia	KC	C: WUCHII	
Shut-In							50	_			- از ا	1 7 2016	
Flow					i						-	2000	
						FLOW ST	REAM ATTRI	BUTES			- 1	ACCEIVED	
Plate			Circle one:	Press	Grav	ity	Flowing Dev		viation Metered Flow		GOR	Flowing	
Coeffiec (F _b) (F		Pro	Meter or ver Pressure	Extension P _m xh	Faci F _a	or	Temperature Factor		ctor	R (Mefd)	(Cubic Fe Barrel)	et/ Fluid Gravity	
Mcfd			psia	, m^11			F _n	ļ	ρv	(111010)		G _m	
					(OPEN FL	OW) (DELIV	(ERABILITY)	CALCUL	ATIONS		(P _e) ²	! = 0.207	
(P _c) ² =		<u>=:</u>	(P _w) ² =	<u> </u>	P _d =		% (P	_e - 14.4) +	14.4 =	 :	(P _a);	=	
(P _c) ² - (P _a) ²		(P	(P _w) ² - (P _w) ²	Choose formula 1 or 2. 1. $P_c^2 - P_a^2$	LOG of		Backpressure Curve Slope = "n"			ا ۲ ٦		Open Flow	
or a' (P _a) ² - (P _a) ²		(6, (4,		2. P.²-P.²	formula 1. or 2.		or		_ n x LOG		Antilog	Deliverability Equals R x Antilog	
(5°)(1	-ره			divided by: P _c ² -P _w ²	and divide by:	P _c ² -P _w ²		ignea ird Slope				(Mcfd)	
								-					
Open Flow Mord			Mcfd @ 14	ofd @ 14.65 psia (Deliverability M			lcfd @ 14.65 psia			
•					- ` -				41				
		•			• •		-	5		•	t and that he ha EMBER	14	
the facts s	tated t	herei	n, and that s	aid report is true	and correc	t. Executed	this the		day of			, 20	
							_						
			Witness (if any)						For Co	трапу		
_			For Com	nission			_			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 ZWEYGARDT 31-32B 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 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: 12/5/2014 KCC WIC!!!TA DEC 11 2014 RECEIVED Signature: OPERATIONS ASSISTANT 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'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.