Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:				(See Instruc	tions on Reve	erse Side	<u>;)</u>				
Open Flow			T D	Test Date:				API No. 15 -023-21310-00-00					
De	liverat	ilty			lest Date) :			API	No. 15 -020	21010 00 00		
Company	,		_				Lease				- '	Well Number	
		Ene	ergy Mana	gement, LL	3 .	R.	ZWEYGAF	RDT				34-32	
County Location				Section				RNG (E		,	Acres Attributed		
CHEYE	NNE		S2-NI	E-SW-SE		32	5S			9W			
Field PRAIRI	IF ST	ΔP.			Reservoi					thering Conne			
					NIOBRARA Plug Back Total Depth				Set at	-	·		
6/6/201					1491'	,							
Casing Size			Weigh	ıt	Internal [Internal Diameter		Set at		rations	То		
7", 41/2"		17#, 11.6#			6.538, 4.00		400', 1534'		1326'	1358'			
Tubing Size		Weigh	Weight 4.7#		Internal Diameter 1.995		Set at 1384'		orations	То			
2-3/8" Type Con	nolotia	n /D	necriba)	4.7#				304	Pump II	nit or Traveling	Pluncer? Ves	/ No	
SINGL	•		•		Type Fluid Production SALTWATER				r ump O	int or mavoring		PUMP	
			nulus / Tubin	g)		arbon Dioxi	ide		% Nitro	gen	Gas Gr	avity - G _a	
ANNUL	US				•							•	
Vertical D	epth(l	1)				Pres	sure Taps			-	(Meter F	Run) (Prover) Size	
Pressure	Buildu	ID:	Shut in	11/4 2	20 14 at S	0:00 AM	(AM) (PM) 1	aken		20 .	at	(AM) (PM)	
		•	Started	11/5	. 14 9	9:00 AM	(ANA) (DAA) T	Falson		20	*	(AM) (PM)	
Well on L	ine:		Started	2	.u at		(AW) (PW)	iaken		20 .	a((ANI) (PNI)	
						OBSERVE	D SURFACE	DATA		1	Duration of Shut-	in 24 Hours	
Platia I	Orif		Circle one:	Pressure	Flowing	Well Head	Casin			Tubing			
Static / Orifice		e Prover Press		Differential in	Temperature		Wellhead Pressure (P,) or (P,) or (Pc)		Wellhead Pressure (P _u) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
Property	(inch	es)	psig (Pm)	Inches H ₂ 0	l t	t	psig	psia	psig	psia	KCC	WICHITA	
Shut-In							44				- NOC	/ 17:0:1117	
			-		-	l	+ • •		 		DĒt	1 1 2014	
Flow					<u> </u>			<u> </u>	l				
			,	1	•	FLOW STE	REAM ATTRIE	UTES		·	<u>. </u>	ECEIVED	
Plate			Gircle one: Meter or	Press Extension	Grav		Flowing Dev		viation Metered Flow			Flowing Fluid	
Coeffictient (F _b) (F _b)		Prover Pressure		√ P _m xh	Fac F	tor	Factor		actor R F _{pv} (Mcfd)		(Cubic Feet/ Barrel) Gravit		
Mefd			psla	V .m		'	F ₁₁	<u> </u>	pv	(,		G _m	
[
					(OPEN FL	OW) (DELIV	'ERABILITY)	CALCUL	ATIONS		(0.)	0.007	
(P _c) ² =		:	(P _w) ² =	:	P _d =			- 14.4) +		:	(P _a):	2 = 0.207 2 =	
\ '' -		<u></u> ·		Choose formula 1 or 2			Backpress				, 47	1	
(P _e) ² - (I	P ₄)2	(F)2-(P _w)2	1. P _c ² -P _a ²	LOG of formula			= "n"	п×	LOG	Antilog	Open Flow Deliverability	
(P _c) ² - (I	₽₀)²			2. P _c ² -P _d ²	1, or 2, and divide	P _c ² -P _w ²	Assi	gned	-		Androg	Equals R x Antilog (Mcfd)	
				divided by: P _c ² - P _x	2 by:	<u> </u>	Standar	d Slope				(Micia)	
			<u>l</u>										
						•	Dellinerabili	· · · ·			// // // // // // // // // // // // //	·	
Open Flo	W			Mcfd @ 14	.oo psia		Deliverabil	ıty		!!	ncia er 14.65 psi	<u>а</u>	
The	unders	igne	d authority, o	n behalf of the	Company, s	states that h	ne is duly aut	_	o make t		t and that he ha	s knowledge of	
the facts s	tated t	herei	in, and that s	aid report is tru	e and correc	t. Executed	I this the	<u>5</u>	day of _	DEC	EMBER	, 20	
			Witness	if anyl	-		_			ForC	ompany		
			141111633 (17/									
			For Com	nission						Check	ked by		

exempt status under Rule K.A.R. 82-3 and that the foregoing pressure info correct to the best of my knowledge a of equipment installation and/or upon	ry under the laws of the state of Kansas that I am authorized to request 3-304 on behalf of the operator Foundation Energy Management, LLC rmation and statements contained on this application form are true and and belief based upon available production summaries and lease records type of completion or upon use being made of the gas well herein named.
gas well on the grounds that said wel	II:
is a source of nature is on vacuum at the is not capable of p	ger lift due to water ural gas for injection into an oil reservoir undergoing ER te present time; KCC approval Docket No producing at a daily rate in excess of 250 mcf/D est of my ability any and all supporting documents deemed by Commission
•	KCC WICHITA KCC WICHITA DEC 11 2014 DEC 11 2014 Signature: Kuchul Trathuc 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.