KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Reve	erse Side	∌)					
= .	en Flo eliverat				Test Date	e:				No. 15 023-21311-0	0-00			
Company Noble I		gy Ir	nc.				Lease R. Zweyç	gardt			43-321	Well Nu 3	mber	
County Cheyer	nne		Locat SW-S\	ion V-NE-SE	Section 32		TWP 5S	······································	RNG (E. 39W	W)			Attributed	
Field Prairie S	Star					Reservoir Niobrara				Gas Gathering Connection Kinder Morgan		RECEIVE		
Completion 6/3/2011		te			Plug Bac 1496'	k Total Dep	oth		Packer S	Set at		DE	C 2 0 20	
Casing S 7", 4-1/2			Weig 17#,	ht 11.6#	Internat Diame .6# 9-7/8", 6-1/				Perforations 1338'		то 1366'	DEC 2 0 20 1366 KCC WICHI		
Tubing Si 2-3/8"	ize		Weight 4.7#		Internal (1.995	Internal Diameter 1.995		Set at 1398'		Perforations		То		
Type Completion (Describe) Single (gas)			Type Fluid Production saltwater			Pump Unit or Traveling Plunger? Yes / yes			/ No					
Producing tubing	g Thru	(Anı	nulus / Tubir	g)	% C	Carbon Diox	ide		% Nitrog	en	Gas Gr	avity - (a _g	
Vertical D	Depth(I	H)				Pres	ssure Taps				(Meter I	Run) (P	rover) Size	
Pressure Well on L			Shut in 10.		12 at 1	1:00	\sim				at			
						OBSERVE	ED SURFACE	DATA			Duration of Shut-	_{in_24.}	25 Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Press psig (Pm)		Flowing Well He Temperature Temperat t t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)	,		
Shut-In							46							
Flow			:			FI OW OT	REAM ATTRIE							
Plate Coeffiec (F _b) (F Mofd	eient _p)	Pro	Circle one: Meter or over Pressure psia	Press Extension P _m xh	Grav Fac F	vîty tor	Flowing Temperature Factor F _{ft}	Dev Fa	riation actor F _{pv}	Metered Fłow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
				1	(OPEN FL	OW) (DELIV	/ERABILITY)	CALCUL	ATIONS		/D \	² = 0.2	07	
$(P_c)^2 = $ $(P_c)^2 \cdot (P_c)^2 \cdot ($	_	: (F	(P _w) ² =	$ \begin{array}{c} = & : \\ \hline \text{Choose formula 1 or 2} \\ 1. \ P_c^2 - P_e^2 \\ 2. \ P_c^2 - P_d^2 \\ \hline \text{divided by: } P_c^2 - P_w \\ \end{array} $	P _d =: LOG of formula 1. or 2. and divide		8 (P _c Backpress Slope Assi		- 14.4 =	ГЛ	(P _d) Antilog	² = Op Del Equals	pen Flow iverability : R x Antilog (Mcfd)	
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabil	ity		N	//cfd @ 14.65 ps	ia		
		•	•	on behalf of the			•			•	t and that he ha		ledge of 20 12 .	
			Witness	(if any)					****	For Co	ompany			
			For Com	mission						Check	sed by			

, I _. h	puipment installation and/or upon type of completion or upon the product and one-year exemption from open flow testing 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	g for the R. Zweygardt 43-32B
	is on vacuum at the present time; KCC approving at a daily rate in a further agree to supply to the best of my ability any and all as necessary to corroborate this claim for exemption from	val Docket Noexcess of 250 mcf/D supporting documents deemed by Commission
Date:	<u>: 12/17/2012</u>	

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.