KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					((See Instruct	ions on Re	verse Side))					
Open Flow						Test Date	e.			API No. 15					
Deliverabilty						TOO DOL	·				023-20801-00	0-00			
Company Noble Energy Inc.						Lease Zweygardt				41-5			Well Number		
County Cheyer	nne		Loca NENE			Section 5		TWP 4S			RNG (E/W) 41W		Acres Attribute		
Field Cherry C	Creek					Reservoi Niobrar	-				Gas Gathering Connection Southern Star/Kinder M				
Completic 10/10/20		e		·		Plug Bac 1552'	k Total Dept	th	ı		Packer Set at		UEC U		
Casing Size			Weig			Internal			Set at 302' 1504'		prations	To	To KCC V		
7", 4-1/2" Tubing Size			17#, 9.5# Weight			9-7/8", Internal		302', 1594' Set at		1362' Perforations		1402' To	<u> </u>		
2-3/8" 4.7# Type Completion (Describe)				1.995											
Single (ט) ר	escribe)			saltwa	id Production ter	n			Pump Unit or Traveling Plunger? yes		Yes / No			
Producing Thru (Annulus / T				ng)		% (Carbon Dioxi	de	9 9		% Nitrogen		Gas Gravity - G _g		
tubing Vertical Depth(H)						· - · · · · · · · · · · · · · · · · · ·	Pres	sure Taps				(Meter F	Run) (Prove	er) Size	
 						40 .	4.45							<u>.</u>	
Pressure Buildup:						0_12_at_1		(AM) (PM) Taken_		2		at	(AM) (PM)		
Well on L	ine:		Started 9/	17	2	0 12 at 1	2:48	(AM) (PM)	Taken		20 .	at	(AM) (PM)	
						7.7.*********	OBSERVE	D SURFAC	E DATA			Duration of Shut-	73.5	Hours	
Static /	Orifii Size		Circle one: Meter		Pressure Differential	Flowing	Well Head Temperature	Casing Wellhead Pressure (P _w) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Duration	Liquid Pro	oduced	
Dynamic Property		psig (Pm)			in Inches H ₂ 0	temperature t	t					(Hours)	(Barrels)		
Shut-In								71		1 1	,				
Flow															
							FLOW STR	EAM ATTR	IBUTES	***************************************					
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Fac	Gravity Factor F _g		Flowing Dev Temperature Fa Factor I		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m	
/D 13			(D.)3			-	OW) (DELIV		•				= 0.207		
(P _c) ² =			(P _w) ²	Choos	e formula 1 or 2			T	c - 14.4) + essure Curve		·	(P _d);			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	$(P_c)^2 \cdot (P_w)^2$ div		. P _c 2 - P _a 2 . P _c 2 • P _d 2 or <i>by:</i> P _c 2 - P _w 2	formula 1. or 2. and divide	1. or 2. and divide p2_p2		Slope = "n" or Assigned Standard Slope		rog	Antilog	Delivera Equals R	Open Flow Deliverability Equals R x Antilog (Mcfd)	
							· · · · · · · · · · · · · · · · · · ·								
Onen Ele					Antol @ 14	CE pois		Dalivareh	- tii.			1-1-1-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			
Open Flo			-1 - 41 36.		Mcfd @ 14.			Deliverat				1cfd @ 14.65 psi			
			_				states that h	-			lovember	t and that he ha	s knowledo , 20 .	-	
								-							
			Witness	(if any)							For Co	mpany			
***************************************	•		For Com	mission	l			-			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 Noble Energy Inc. 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 41-5 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: 11/30/2012
Signature: Title: Regulator Analyst

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.