KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: Open F			(Se	ee Instructi	ions on Rev	erse Side	API	No. 15		
Delivera	ability				•		15-0	023-21224-0		NAT-U NA
Company Noble Energ	y Inc				Lease Wiese				13-5	Well Number
County Location Cheyenne NE-SE-NW-SW			Section 5		TWP 4S			RNG (E/W) 41W		Acres Attributed
Field Cherry Creek			Reservoir Niobrara			Gas Gathering Co Southern Star/K				
Completion D 9/17/2010	ate		Plug Back 1588'	Total Dept	h 		Packer S	et at		
Casing Size Weight 7", 4-1/2" 23#, 11.6#			Internal Dia 9-7/8", 6	-1/4"	Set at 221, 1632'		Perforations 1414'		To 1462'	
Tubing Size 2-3/8"	2-3/8" 4.7#			ameter		Set at Perforati			То	
Type Complet Single (gas	Type Fluid Saltwate	er	•		Pump Unit or Traveling Plunger? Yes .			/ No		
Producing The Tubing	% Ca	rbon Dioxid	de	% Nitrogen		en	Gas Gravity - G			
Vertical Depth	(H)			Press	sure Taps				(Meter	Run) (Prover) Size
Pressure Build	dup: Shut in 3/	20 20	13 _{at} 1:0	00	(AM) (PM)	Taken		20	at	(AM) (PM)
Well on Line:	Started 3/	21 20	13 at 1:3	0	(AM) (PM)	Taken		20	at	(AM) (PM)
			(OBSERVE	D SURFACI	E DATA			Duration of Shut-	in_24.5 Hours
Dynamic S	cifice Circle one Size Meter Ches) Prover Pres psig (Pr	Differential sure in	Flowing Well Head Temperature Temperatur t t		Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In	poig (i ii	1101103 1120			psig 97	psia	psig	psia		
Flow										
	•		F	LOW STR	EAM ATTR	IBUTES	₁		1	
Plate Coeffiecient (F _b) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Meter or Extension Prover Pressure		Gravity To		Flowing Deviation mperature Factor Factor F _p ,		Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	I Gravity I
			ŀ							
(P _c) ² =	: (P _w)²	=:	(OPEN FLOY			-	.ATIONS · 14.4 =	<u>:</u>	(ዮ _s) (ዮ _d)	$r^2 = 0.207$ $r^2 = $
	(P _o) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _a ²	LOG of formula 1. or 2. and divide	P _c ² · P _w ²	Backpre Slop As	ssure Curve pe = "n" or signed ard Slope	n x l	ГЪ	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
					<u> </u>					
Open Flow		Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia
	rsigned authority, d therein, and that		• •		•					-
ine tacts stated	i therein, and that	said report is true	and correct.	⊏xecuted	this the		day of			, 20 <u></u>
	Witnes	s (if any)			-			Ford	Company	
								1011	oon pany	

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
and that correct of equip The	at the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records pment installation and/or upon type of completion or upon use being made of the gas well herein named. Bereby request a one-year exemption from open flow testing for the Wiese 13-5 all 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 arther agree to supply to the best of my ability any and all supporting documents deemed by Commission an eccessary to corroborate this claim for exemption from testing.
Date: _	12/12/2013 Signature: Awhe mills

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.

DEC 3 0 2013
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