KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Form G-2 (Rev. 7/03) RECEIVED

Type Tes	t:		(See Instructions on Reverse Side)									J	UL 23 2	
Open Flow Deliverabilty				Test Date:				API No. 15 15-023-21173-00-00			KCC WICH			
Company Noble I		ıv. I	nc.				Lease Dunba	r			32-1	Well N	umber	
County Location Cheyenne NE-SE-SW-NE				Section 13		TWP 2S			RNG (E/W) 39W		Acres Attributed			
Field Cherry Creek Niobrara Gas Area				Reservoi Niobrar					thering Conne ern Star via F		Compressor			
Completi 12/4/200		е			Plug Bac 1401'	k Total De	pth		Packer	Set at				
Casing Size 7", 4-1/2"			Weight 17#, 11.6#		Internal Diameter 9-7/8", 6-1/4"			Set at 166', 1445'		Perforations 1214'		то 1250'		
	Tubing Size Weight				Internal I 1.995"	Diameter	Set 128		Perforations		То			
Type Completion (Describe) Single (gas)					Type Fluid Production Saltwater				Pump Unit or Traveling Plunger Ves			r? Yes / No		
Producing Thru (Annulus / Tubing) Tubing)	% Carbon Dioxide				% Nitro	gen	Gas	Gas Gravity - G _g		
Vertical E	Depth(H	l)				Pre	essure Taps	-,			(Mete	r Run) (I	Prover) Size	
Pressure	Buildu	p: ;	Shut in	<u>. </u>	0_10_at_1	1:00	(AM)(PM) Taken		20	at		(AM) (PM)	
Well on Line:			Started 4/23		0_10_at_1			(AM) (PM) Taken			at			
						OBSERV	/ED SURFAC	E DATA			Duration of Sh	ut-in26	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well He Temperature Tempera t t		wellhead Pressure (P_w) or (P_l) or (P_c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			poig (i iii)	Indica Ti ₂ 0			125	psia	psig	psia				
Flow														
	i		· · · · · · · · · · · · · · · · · · ·			FLOW S1	TREAM ATT	RIBUTES		Γ			T	
Plate Coeffiecient (F _b) (F _p) Mcfd			Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m x h	Gravity Factor F _g		Flowing Temperature Factor F _{ft}	Fá	riation actor = pv	Metered Flov R (Mcfd)	v GO (Cubic Barr	Feet/	Flowing Fluid Gravity G _m	
					(ODEN EI	OW) (DEL	IVERABILIT	K) CAI CIII	ATIONS					
(P _c) ² =		:	(P _w) ² =_	:	P _d =			(P _c - 14.4) +		:		$(a_a)^2 = 0.$ $(a_b)^2 = 0.$	207	
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²		(P _c) ² ~ (P _w) ²		Thoose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ Tivided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide p 2_p		Backpressurr Slope = or- Assigne Standard S		n x	LOG	Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
						· ·							· · · · · · · · · · · · · · · · · · ·	
Open Flow Mcfd @ 14.65 psia						Deliverability			Mcfd @ 14.65 psia					
		_	•	behalf of the						he above repo	rt and that he		wledge of 20	
			Witness (if	any)				- Jr	WYW	For C	Company	<u> </u>		
			For Commis	ssion						Chec	cked by			

exempt status under and that the foregoir correct to the best of of equipment installa	Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc. ng pressure information and statements contained on this application form are true and my knowledge and belief based upon available production summaries and lease records tion and/or upon type of completion or upon use being made of the gas well herein named. a one-year exemption from open flow testing for the Dunbar 32-13
gas well on the groun	
is is I further agree to	a coalbed methane producer cycled on plunger lift due to water a source of natural gas for injection into an oil reservoir undergoing ER on vacuum at the present time; KCC approval Docket No not capable of producing at a daily rate in excess of 250 mcf/D supply to the best of my ability any and all supporting documents deemed by Commission of corroborate this claim for exemption from testing.
Date: _7/20/2010	
	Signature:

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.