KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	ions on Rev	erse Side)				
	en Flo liverat				Test Date):				No. 15 023-21051-0	0-00		
Company Noble E		 gy, I	nc.				Lease Keller Fa	ırms			12-17	Well Nur	mber
County Location Cheyenne NE-NW-SW-NW				Section 17		TWP 2S		RNG (E/W) 38W		Acres Attributed			
Field Cherry C	Creek	Niot	orara Gas A	rea	Reservoir Niobrara					hering Conne rn Star via R	ection Record Compres	ssor	
Completion Date 12/1/2008					Plug Bac 1467'	k Total Dept	h		Packer Set at n/a				
Casing S 7", 4-1/		Weight 17#, 10.5#			Internal Diameter 9-7/8", 6-1/4"		Set at 292', 1511'		Perforations 1325'		то 1363'		
Tubing Size 2-3/8"			Weight		Internal Diameter 1.995"		Set at 1384'		Perforations		То		
Type Con	72-3/8" 4.7# 1.995 1364 Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? Single (Gas) Saltwater Yes					Plunger? Yes	/ No						
Producing			nulus / Tubing)		arbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G	g
Tubing Vertical D	epth(F	H)				Press	sure Taps				(Meter F	Run) (Pr	over) Size
Pressure	Buildu	p:	Shut in	hut in 2/2/ 20 10 at 1:45 (AM) (PM) Taken 20 at		(/	AM) (PM)						
Well on L	.ine:		Started 2/3/	2	0 10 at 3	15	(AM) (PM)	Taken		20	at	(/	AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-	_{in} _25	Hours
Static / Dynamic Property	Orifi Siz (inch	e	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casir Wellhead F (P _w) or (P _t	ressure) or (P _c)	Wellhe	fubing ad Pressure r (P _t) or (P _c)	Duration (Hours)		Produced larrels)
Shut-In			poig (i iii)	monos rigo			215	psia	psig	psia		·	
Flow													
<u> </u>	· 1				T	FLOW STR	EAM ATTRI	BUTES	1			1	
Coeffied (F _b) (F	Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure psia	Press Extension P _m x h	Gravity Factor F _g		Temperature Fa		viation Metered Flow actor R F _{pv} (Mcfd)		(Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m
(P _c) ² =		:	(P _w) ² =	:	(OPEN FLO		ERABILITY) % (P.	CALCUL - 14.4) +		:	(P _a) ² (P _d) ²	2 = 0.20 2 =)7
(P _c) ² - (I	_	(F	P _c) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Backpres Slop Ass	sure Curve e = "n" or igned rd Slope	n v	LOG	Antilog	Op Deli Equals	en Flow verability R x Antilog Mcfd)
Open Flo	l w			Mcfd @ 14.	65 psia		<u>I</u> Deliverabi	lity			Mcfd @ 14.65 psi	<u>. </u>	
		igned	d authority, or		· · · · · · · · · · · · · · · · · · ·	states that h		.	o make th	ne above repo	rt and that he ha	s knowl	edge of
the facts s	tated t	herei	n, and that sa	id report is true	e and correc	t. Executed	this the 6th	1	day of _N	lay		, 2	10
						MPA	ED N COMMISSIO	Λ	mm	e Bo	mett	_	
			Witness (if			AY 10			1		Company		
			For Comm	ssion		- • •	w			Chec	cked by		

exempt status und and that the forego- correct to the besi of equipment insta I hereby requi	er penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc. going pressure information and statements contained on this application form are true and tho of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. The est a one-year exemption from open flow testing for the Keller Farms 12-17 ounds that said well:
(Check	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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: _5/6/2010	
	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.