KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Re	verse Side	e)				
Op	en Flo	w			Test Date	. .			٨٥١	No. 15			
De	liverat	ilty			rest Date	; .				023-21196-0	00-00		
Company Noble E	,	, Inc					Lease Keller F	arms			32-18	Vell Num	ber
County Location Cheyenne SE-NW-SW-NE				Section 18		TWP 2S			/W)	Acres Attributed			
Field		Niot	orara Gas A	ırea	Reservoir					hering Conn rn Star via F	ection Record Compres	sor	
Completion 1/9/2009		e			Plug Bac 1443'	k Total Dep	th		Packer S N/A	Set at			
Casing Size 7", 4-1/2"			Weigh 17#,	nt 10.5#	Internal Diameter 9-7/8", 6-1/4"			Set at 278', 1483'		rations 4'	то 1324'		
Tubing Size 2-3/8"			Weigh 4.7#		Internal Diameter 1.995"		Set a	ıt	128 Perfo	rations	То		
Type Cor Single (escribe)		Type Flui Saltwa	d Productio ter	n		Pump U	nit or Traveling	Plunger? Yes	/ No	
			nulus / Tubin	g)	% C	Carbon Diox	ide		% Nitrog	jen	Gas Gra	ıvity - G _g	
Vertical C	Depth(F	H)				Pres	sure Taps				(Meter R	lun) (Pro	ver) Size
Pressure	Buildu	p: :	Shut in	4/ 2	0 <u>09</u> at	-	(AM) (PM)	Taken		20	at	(A	M) (PM)
Well on Line:		Started <u>1/19/</u> 2			0 <u>09</u> at <u>3:10</u>		(AM) (PM)	(AM) (PM) Taken		20	at	(AM) (PM)	
	•	•				OBSERVE	D SURFACE	E DATA			Duration of Shut-in	_n _120	Hours
Static / Dynamic Property	Orifi Siz (inch	е	Circle one: Meter Prover Pressi psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	(P _w) or (P	Pressure	Wellhe	Tubing ad Pressure r (P ₁) or (P _c)	Duration Liquid Pro (Hours) (Barrel		
Shut-In			paig (i iii)	mones 11 ₂ 0			psig 288	psia	psig	psia			
Flow													
						FLOW STE	REAM ATTR	BUTES					
Coeffiec (F _b) (F	Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Gravity Factor F _g		Flowing Temperature Factor F _{f1}		riation actor = pv	Metered Flov R (Mcfd)	y GOR (Cubic Fee Barrel)	et/	Flowing Fluid Gravity G _m
					(ODEN EL	000 (DELIN	(EDABILITY)	CALCUI	ATIONS				
(P _c) ² =		,	(P _w) ² =		(OPEN FL	, ,	/ERABILITY) % (P) CALCUL ⁾ c - 14.4) +		:	(P _a) ² (P _d) ²	= 0.207 =	,
		<u>-</u> -	I	Choose formula 1 or 2	:			ssure Curve		г ¬	(d)		n Flow
(P _c)²- (∣ or		(P	(P _w) ² - (P _w) ²	1. P _c ² -P _a ²	LOG of formula 1. or 2.		Slop	oe = "n" · or	l n x	LOG	Antilog	Delive	erability
or (P _c) ² - (I	P _d) ²			2. P _c ² - P _d ² divided by: P _c ² - P _w ²	and divide	P _c ² - P _w ²		signed ard Slope					k x Antilog
Open Flo	l w			Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 psia	1	<u> </u>
		ianer	Lauthority o		· ·	tates that h			o make th		rt and that he has		dae of
		•	•	aid report is true	and correc	t Evecuted	-	5th		october	a a/		09
			Witness (if any)	····		1 9 200	(/	<u>um</u>	For C	Company		
			For Comn	nission						Chec	cked 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 Keller Farms 32-18
gas 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 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: 10/15/09
Signature: Land Jaseph
Title: Regulatory Specialist

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.