KCC WIGHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				. (See Instruc	tions on Rev	erse Side))				
= :	en Flo eliverab				Test Date	9 :				No. 15 0 23-21006-0 0)-00		
Company Noble E		Inc		•			Lease Feikert				11-1	Well Nu	mber
County Cheyenne			Location NE-NW	Section 1		TWP 4S		RNG (E/W) 42W		Acres Attributed		ttributed	
Field Cherry C	Creek				Reservoi Niobrara					hering Connec Star/Kinder M			
Completion 6/17/200		е			Plug Bac 1604'	k Total Dep	th		Packer S	Set at			
Casing Size 7", 4 1/2"			Weight 17#, 11.6#		Internal Diameter 9 7/8", 6 1/4"		Set at 273', 1651'		Perforations 1452'		то 1490'		
Tubing S 2 3/8"	ize		Weigh 4.7 #		Internal Diameter 1.995		Set at 1510'		Perforations		То		
Type Con Single (n (De	scribe)		Type Flui Saltwa	d Production	n		Pump Ur yes	nit or Traveling I	Plunger? Yes	/ No	
Producing	g Thru	(Ann	ulus / Tubing)	% C	Carbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G	żg
Vertical E	Depth(H	l)				Pres	sure Taps		•		(Meter f	Run) (Pr	rover) Size
Pressure	Buildu	p: §	Shut in3/23	3 2	0_11_at_1	0:30	(AM) (PM)	Taken		20 _	at	(AM) (PM)
Well on L	_ine:	\$	Started 3/24	2	0 11 at 2	:00	(AM) (PM)	Taken		20 _	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA			Ouration of Shut-	_{in_} 27.	5 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	Pressure	Wellhe	Tubing ad Pressure (P ₁) or (P _c) psia	Duration (Hours)		d Produced Barrels)
Shut-In							221						
Flow	<u> </u>					ELOW STE	REAM ATTRI	BUTES	<u> </u>	<u> </u>		<u> </u>	
Plate Coeffied (F _b) (F Mcfd	eient p)		Circle one: Meter or ver Pressure psia	Press Extension √ P _m x h	Grav Fac	vity .	Flowing Temperature Factor F ₁₁	Dev Fa	riation actor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m
L	J				(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	.ATIONS		(P.)	² = 0.2	07
(P _c) ² =		_:	(P _w) ² =	<u> </u>	P _a =		% (P _.	- 14.4) +	14.4 =	;		² =	
(P _c) ² - (l or (P _c) ² + (l		(P	₅)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: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slope	sure Curve e = "n" or igned rd Slope	l n x i	LOG	Antilog	Deli Equals	pen Flow iverability R x Antilog (Mcfd)
		-				•							
Open Flo	ıw_		<u> </u>	Mcfd @ 14.	65 psia		Deliverabil	lity		N	1cfd @ 14.65 psi	a	
		_	-	behalf of the		d .				ne above réport ovember	and that he ha		ledge of 20 11
			Witness (if	any)	** ***	·				For Co	mpany	RE	CEIVE
			For Comm	ssion	1		_			Check	ed by	DE	C 0 2 2

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status un	der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
nd that the fore	going pressure information and statements contained on this application form are true and
orrect to the bes	st of my knowledge and belief based upon available production summaries and lease records
	rallation and/or upon type of completion or upon use being made of the gas well herein named. lest a one-year exemption from open flow testing for the Feikert 11-1
	rounds that said well:
as well on the g	ounds triat said well.
(Check	(one)
`	is a coalbed methane producer
H	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
\overline{}	is not capable of producing at a daily rate in excess of 250 mcf/D
I further agre	e to supply to the best of my ability any and all supporting documents deemed by Commission
taff as necessar	ry to corroborate this claim for exemption from testing.
oate: _11/11/201	1
/ale	<u>. </u>
	Signature: Cherry Johnson
	Title: Regulatory Analyst II

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.

RECEIVED

DEC 0 2 2011