KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruct	ions on Rev	erse Side	e)					
	en Flo liverab				Test Date	: :				No. 15 023-20786-0	0-00			
Company Noble E		Inc			•	-	Lease Zweygar	·dt			. 43-32	Vell Nur	mber	
County Cheyenne		,	Location NE-SE		Section 32		TWP , 3S		RNG (E/W) 41W		Acres Attributed			
Field Cherry Creek						Reservoir Niobrara		Gas Gathering Southern Sta			Connection Kinder Morgan			
Completic 9/20/200		е			Plug Bac 1511'	k Total Dept	h	Pac		Set at				
Casing S 7", 4-1/2		··········	Weight 17#, 9	Internal Diameter 9-7/8", 6-1/4"		Set at 291', 1553'		Perforations 1348'		то 1390'				
Tubing Size 2-3/8"			Weight 4.7#		Internal Diameter 1.995		Set at		Perforations		То			
Type Con Single (-	n (De	escribe)	/•	Type Flui Saltwa	d Production ter	1		Pump Ur Yes	nit or Traveling	Plunger? Yes	/ No		
Producing Tubing	Thru	(Anr	nulus / Tubing))	% C	arbon Dioxi	de		% Nitrog	en	Gas Gra	avity - G	g	
Vertical D	epth(H	l)				Pres	sure Taps				(Meter F	Run) (Pr	over) Size	
Pressure	Buildu		Shut in		0_11_at_1	0:40	(PM)	Taken	:	20	at	(,	AM) (PM)	
Well on L	ine:		Started 2/25	2	0 <u>11</u> at 1	0:40	(PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE				Duration of Shut-i	n_24	Hours	
Static / Dynamic Property	Orifi Siz (inch	е	Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casi Wellhead I (P _w) or (P _t	Pressure	Wellhe	Tubing ad Pressure r (P ₁) or (P _c) psia	Duration (Hours)		Produced arrels)	
Shut-In							110	рога	Poly	polu		1		
Flow		v, ***							<u></u>			<u> </u>		
<u> </u>	 1					FLOW STR	EAM ATTRI	BUTES					<u> </u>	
Plate Coeffiec (F _b) (F Mcfd	ient	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Fac	Factor Factor R (Cubic F		GOR (Cubic Fer Barrel)	et/	Flowing Fluid Gravity G _m				
							· · · · · · · · · · · · · · · · · · ·					1		
(P _c) ² =		•	(P _w) ² =_		(OPEN FL		ERABILITY) % (P	CALCUL c - 14.4) +		:	(P _a)² (P _d)²	e = 0.20	07	
(P _c) ² - (I		(F	P _c) ² - (P _w) ²	Thoose formula 1 or 2 1. $P_c^2 \cdot P_e^2$ 2. $P_c^2 \cdot P_d^2$ wided by: $P_c^2 \cdot P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpres Slop Ass	ssure Curve e = "n" or signed ard Slope	e n x	LOG	Antilog	Op Deli Equals	en Flow verability R x ³ Antilog Mcfd)	
Open Flo	 w		<u>I</u>	Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 psi	a		
		•	d authority, on		• •	·	,		_	ne above repo	rt and that he ha		20 11	
			Witness (if				_					C 2 8	3 2011	
			For Commis	ssion						Chec	ked by	,		

KCC WICHITA

	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request of status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
	nat the foregoing pressure information and statements contained on this application form are true and
correc	et to the best of my knowledge and belief based upon available production summaries and lease records
	ipment installation and/or upon type of completion or upon use being made of the gas well herein named. nereby request a one-year exemption from open flow testing for the
	ell 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 urther agree to supply to the best of my ability any and all supporting documents deemed by Commissis necessary to corroborate this claim for exemption from testing.
)ate: _	12/14/2011
	Signature: Aley Johnsen 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 2 8 2011

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