## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Open Flow				See instruct	ions on Reve	erse Siae	<del>)</del> )				
Deliverab			Test Date	e:				No. 15 023-20847 <b>-</b> 00	-00		
Company Noble Energy	Inc				Lease Zimbelma	on.		020 200 11 00		Well Number	
County	ounty Location				TWP		RNG (E/W)		Acres Attributed		
Cheyenne Field	enne SW-NE			г	3S	3S 41W Gas Gathering C		herina Conneci	tion		
Cherry Creek			Niobrar	a			Southe	rn Star/Kinder			
Completion Date 2/4/2008	te		Plug Bac 1694'	k Total Dept	h		Packer S	Set at			
asing Size Weight . 4-1/2" 17#, 10.5#			internal ( 9-7/8",		Set at 311', 1737'		Perforations 1506'		то 1544'		
Tubing Size 2-3/8"				Diameter	Set at 1571'		Perforations		То		
Type Completion	8/8" 4.7# e Completion (Describe)			id Production		Pump Unit or Traveling			lunger? Yes	/ No	
	Single (gas) Producing Thru (Annulus / Tubing)			Saltwater  % Carbon Dioxide			Yes P/ Nitrogen			Con Consider O	
Fubing	(Annuius / Tu	uing)	76 C	% Carbon Dioxide			% Nitrogen			Gas Gravity - G	
/ertical Depth(H	1)			Press	sure Taps				(Meter	Run) (Prover) Size	
		1/28	13 <sub>at</sub> 1	:15 PM		***********	····				
Pressure Builduj		/20	20 at 2013at2	ONG DM						(AM) (PM)	
Well on Line:	Started	1/23	_ 20 <u></u> at <u></u>		(AM) (PM) T	aken		20	at	(AM) (PM)	
				OBSERVE	D SURFACE	DATA		D	uration of Shut-	in_25.25_Hour	
			ial Flowing	Temperature Temperature		(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure		Liquid Produced	
Dynamic Size Property (inche	es) Prover Pro	I Prover Pressure I in I						r (P <sub>1</sub> ) or (P <sub>c</sub> )	(Hours) (Barrels)		
Shut-In		110,100,1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		psig 100	psia	psig	psia		<del> </del> -	
Flow											
	•			FLOW STR	EAM ATTRIE	UTES					
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	Circle one: Meter or Prover Pressui psia	Meter or Extension rover Pressure		Gravity To Factor To		Flowing Dev femperature Fa Factor F		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravitu	
			(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P <sub>a</sub> )	e 0.207	
P <sub>c</sub> ) <sup>2</sup> =	_: (P <sub>w</sub>	) <sup>2</sup> =		<u> </u>			- 14.4 =	<del>:</del>	(P <sub>d</sub> )	<sup>2</sup> =	
$(P_c)^2 - (P_g)^2$ or $(P_c)^2 - (P_d)^2$	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> - P 2. P <sub>c</sub> <sup>2</sup> - P divided by: P <sub>c</sub> <sup>2</sup>	LOG of formula 1, or 2,	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Backpress Slope o Assig Standar	= "n" sr gned	l n x i	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow		Mcfd @	14.65 psia		Deliverabili	ty		Me	cfd @ 14.65 ps	ia	
The undersine facts stated the	-				-			•	and that he ha	as knowledge of, 20 13	
										KCC WI	
		ess (if any)						For Con		LVV III	

exempt status under Rule K.A and that the foregoing presso correct to the best of my know of equipment installation and/	of perjury under the laws of the state of Kansas that I am authorized to request a.R. 82-3-304 on behalf of the operator Noble Energy Incure information and statements contained on this application form are true and viedge and belief based upon available production summaries and lease records for upon type of completion or upon use being made of the gas well herein named.					
and that the foregoing pression correct to the best of my know of equipment installation and/ I hereby request a one-year	ure information and statements contained on this application form are true and viedge and belief based upon available production summaries and lease records					
correct to the best of my know of equipment installation and/ I hereby request a one-ye	vledge and belief based upon available production summaries and lease records					
of equipment installation and/ I hereby request a one-ye	·					
I hereby request a one-ye	or upon type of completion or upon use being made of the gas well herein named.					
gas well on the grounds that :	ear exemption from open flow testing for the Zimbelman 32-31					
9	said well:					
(Check one)						
is a coalbe	ed methane producer					
is cycled on plunger lift due to water						
is a source	e of natural gas for injection into an oil reservoir undergoing ER					
is on vacu	um at the present time; KCC approval Docket No					
is not capa	able 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					
	prate this claim for exemption from testing.					
otali do nococcary to comoco	nate the dam for exemption from testing.					
404404040						
Date: 12/12/2013	<del></del>					
	Signature: Kalhle milb					

## 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.

DEC 3 0 2013 RECEIVED