KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	it:				(See Instruct	ions on Reve	rse Side	15	-023-6	20970	-00	-00	
ᆜᅊ	pen Flov	٧	•		Test Date	. .			_	M-15-				
De	eliverabi	lty			rest Date				15=		30			
Company Nobie E		Inc	<u> </u>				Lease Zimbelma	an		20,510	12-31	Vell Nun	nber	
County Location Cheyenne S2-NW-SW-NW			Section TWP 31 3S				RNG (E/W) 41W			Acres Attributed				
Field Cherry Creek			Reservoir Niobrara			Gas Gathering Connection Southern Star/Kinder Morgan								
Completion Date			Plug Back Total Depth				Packer Set at							
3/13/200					1694'	···								
Casing Size 7, 4-1/2"			Weight 17#, 1		Internal Diameter 9-7/8", 6-1/4"		Set at 302', 1729'		Perforations 1506'		то 1544'			
Tubing Size 2-3/8"			Weight 4.7#		Internal Diameter 1.995		Set at 1573'		Perforations		То			
Type Cor	mpletion	(De				d Production			Pump Ur	sit or Traveling F	lunger? Yes	/ No		
Single (Saltwa	ter			Yes					
Producing Tubing	g Thru	(Ann	ulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	en	Gas Gra	avity - G	a	
Vertical C	Depth(H)			·	Pres	sure Taps		-		(Meter F	lun) (Pr	over) Size	
			0.000		· · · · · · · · · · · · · · · · · · ·		 -		<u></u>		_ ·			
Pressure	Buildu		Shut in2/28	2	0 11 at 1	2:30	(AM) (PM) 1	Taken		20 _	at	(AM) (PM)	
Well on L	_ine:	5	Started 3/1	2	0 11 at 3	:30	(AM) (PM) 1	Taken		20 _	at	(AM) (PM)	
			· · · · · · · · · · · · · · · · · · ·			OBSERVE	D SURFACE	DATA			Ouration of Shut-	227		
Static /	Orific	:0	Circle one:	Pressure	Flowing	Well Head	Casin	9	L	Tubing		<u> </u>	Hours	
Dynamic Property	Dynamic Size		Meter Prover Pressur		Temperature t	3	Malibaad Processo		Wellhead Pressure (P ₊) or (P ₁) or (P ₅)		Duration (Hours)		Liquid Produced (Barrels)	
<u> </u>	, , , , ,	-	psig (Pm)	Inches H ₂ 0			psig	psia	psig	psla		 		
Shut-In		4		ļ		<u> </u>	136	_				<u> </u>		
Flow				<u> </u>	<u></u>				<u> </u>			<u> </u>	<u> </u>	
	—-г					FLOW STR	REAM ATTRIE	BUTES			1			
Plate Coeffiecient (F ₂) (F ₂) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension Paxn	Grav Fac	tor	Flowing Temperature Factor F _t ,	mperature Fa		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G	
				·	-								<u></u>	
	<u> </u>		<u>.</u> !.	.	(OPEN FI	OW) (DELIV	ERABILITY)	CALCUI	ATIONS					
(P _c) ² =		_:	(P _w)² ≐_	:	P _d =	•	•	- 14,4) +		:	(P _a) (P _d)	2 = 0.20 2 =	07	
(P)2. ((P)2	(P	_)² · (P_)²	1. P2-P2		Γ		sure Curve	.	[]	<u> </u>		en Flow	
$(P_a)^2 \cdot (P_a)^2$ or $(P_a)^2 \cdot (P_a)^2$				2. P ₄ ² P ₄ ² Midea by: P ₄ ² P ₄	formuta 1, or 2, and chride	P.2. P.2	Slope = *n* Assigned Standard Slope		. n x	LOG	Antilog	Oeliverability Equals R x Antilog (Mcfd)		
	-				 	<u> </u>	Jianda		-	- -		 		
					+		1					-		
Open Flo			1	Mcfd @ 14.	65 psia		Deliverabil	itv		<u> </u>	1cfd @ 14.65 ps	<u>l</u> la	·	
		gned	authority, on		 `-	states that h		·•	o make t		t and that he ha		ledge of	
				id report is true						ecember	,		20 <u>11</u> .	
					_	RECEIV		OK	eul	l Sh	~~~		······································	
			Witness (il	any)		AN 17	2012 -		0	For Co	прелу	<u></u>		
			For Commi	SSION		<u>.</u>	-UIL	-		Check	ed by			

KCC WICHITA

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I d	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exemp	t status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
and tha	at 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 equi	pment installation and/or upon type of completion or upon use being made of the gas well herein named.
l he	ereby request a one-year exemption from open flow testing for the Zimbelman 12-31
gas we	Il 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
	Company to the series of the s
l fu	irther 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: _	12/28/2011
	Signature:
	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.

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JAN 1 7 2012

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.