KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:			6	See Instruct	ions on Rev	verse Side)					
	en Flow iverabilt	у		Test Date	: :				No. 15 023-21066-0	0-00			
Company Noble Er		nc				Lease Zimbeln	nan			42-13	Well Nu	mber	
County Cheyenne			Location SW-NE-SE-NE		Section 13		TWP 2S		W)	Acres Attributed			
Field Cherry C	reek			Reservoir Niobrara			Gas Gathering Cor Southern Star		•	ection			
Completion Date 11/11/2008			Plug Back Total Dept 1390			Packer Set at		Set at					
Casing Size 7, 4-1/2"		Weight 17#, 9.5#		Internal Diameter 9-7/8", 6-1/4"		Set at 147', 1435'		Perforations 1214'		то 1254'			
Tubing Size 2-3/8"		Weight 4.7#		Internal Diameter 1.995		Set at 1272'		Perforations		То			
ype Com Single ((Describe)		Type Flui Saltwa	d Production ter	n		Pump U	nit or Traveling	Plunger? Yes	/ No		
Producing Thru (An Tubing		Annulus / Tubin	ınulus / Tubing)		% Carbon Dioxid		de		jen	Gas Gravity - G _e			
ertical D	epth(H)				Pres	sure Taps				(Meter f	Run) (Pr	rover) Size	
ressure	Buildup:	Shut in9/5	5 20	13 at 1	1:00	(AM) (PM)	Taken		20	at	(AM) (PM)	
Well on Line:		Started 9/6	20	13 at 11:10		(PM) Taken_		20		at (AM		(AM) (PM)	
					OBSERVE	D SURFAC				Duration of Shut-	in 24	Hours	
Static / Orifice dynamic Size Property (inches)		Prover Press	ure in	t temperature temperatur		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			-			56	рыц	poig	, p314				
Flow													
			,		FLOW STR	REAM ATTR	IBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Press Extension Pmxh		Gravity Factor F _B		Flowing Temperature Factor F ₁₁	mperature Factor		Metered Floo R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
				(0.05), 51	ONO (DEL 19)	(ED 4 DU 179)		ATIONS					
ع		: (P _w) ² =	=:	(UPEN FL	OW) (DELIV		P _e - 14.4) 4		<u> </u>	-	2 = 0.2 2 =	.07	
(P _c) ² - (I	-	(P _c) ² - (P _w) ²	Choose farmula 1 or 2: 1. $P_a^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope ≃ "n" or Assigned Standard Slope		LOG [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
											<u> </u>		
Open Flo	L		Mcfd @ 14.6	S5 psia		Deliverat	bility	1		Mcfd @ 14.65 ps	ia	<u> </u>	
The	undersio	ned authority of	on behalf of the	Company.	states that h	ne is dulv a	uthorized	to make t	he above repo	ort and that he ha	as know	ledge of	
	•	•	said report is true									20 13	
						_				K	CC	WICH	
		Witness								Company		3 0 201	
		For Com	mission						Che	cked by	-		
											KE	CEIVE	

l de	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request								
	status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc								
	t the foregoing pressure information and statements contained on this application form are true and								
orrect	o 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 Zimbelman 42-13									
	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								
1 fu	ther agree to supply to the best of my ability any and all supporting documents deemed by Commiss								
taff as	necessary to corroborate this claim for exemption from testing.								
ate: <u>1</u>	2/13/2013								
	Signature: Kullu mill								
	Title: Regulatory Analyst								

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. **KCC WICHITA**

DEC 3 0 2013

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