KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

SIP TEST

Type Tes						(See Inst	ruction	ns on Re	everse Sid		COMBILII	11 1531			
l Open Flow Deliverabilty					_	Test Date:					l No. 15				
Company					10/2//1	10/27/11 Lease				175-21872-000l					
NOBLE ENERGY County Location						BLACK						2-	Well 15	Number	
SEWARD NE NE SW SW				Section 15				TWP 34S		RNG (E/W) 31W		Acre	s Attributed		
Fleid ARKALON					Reservoir MORROW/CHESTER				Gas Gathering Connection DCP				·····································		
Completion Date 5-21-02				Plug Bac 5695	Plug Back Total Depth 5695				Packer Set at NONE						
Casing S 1.5	asing Size Weight 5 11.6			Internal (4.000	Internal Diameter 4.000			Set at 5941		Perforations 5660		21			
Tubing Si 2.375	bing Size Weight 375 4.7				Internal Diameter 1.995			Set at 5574		Perforations		5721 To			
Type Completion (Describe) COMINGLED GAS				Type Flui	Type Fluid Production WATER/OIL					Pump Unit or Traveling YES - PUMP		Yes / N	<u> </u>		
Producing Thru (Annulus / Tubing)				% C	% Carbon Dioxide			% Nitrogen			Gas Gravity - G				
/ertical D	epth(H)						ressur	e Taps				(Me	eter Run)	(Prover) Size	
	Buildup:	Shut in	0/26/1	11 2	o at _0				Taken_1(0/27/11	20	a, 09°	15	(AM) (PM)	
Well on L	ine:										20				
						OBSER	VED S	BURFAC	E DATA		_	Duration of S	Shut in 2	4.0 Hours	
Static / Dynamic Property	Orifice Size Prover F psig		r Differential		Flowing Temperature 1	Well Heat Temperat	ure	Casing Weilhead Pressure (P _w) or (P ₁) or (P ₂)		Tubing Wellhead Pressure $(P_{\psi}) \propto (P_1) \propto (P_2)$		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In							1	psig 63.3	177.7	psig	psia	24.0			
Flow															
· · .						FLOW S	TREA	M ATTR	IBUTES				I		
Plate Coeffiech (F _b) (F _c Mctd	ent) I	Circle one: Meter or Prover Pressure pala		Press Grav Extension Fact ✓ P _m ×h F _e		tor To		Pector Fac		lation Metered Flo ctor R p+ (Mcfd)		(Cub	IOR ic Feet/ irrel)	Flowing Fluid Gravity G_	
					(OBEN EL	2007 (200)									
)² =		: (P _w)	=	<u>:</u>	(OPEN FLO		%) CALCUL P _r · 14.4) +		:		$(P_q)^2 = (P_q)^2 = \underline{}$	0.207	
(P _e) ² - (P	•	(P _c) ² - (P _w) ²		P _a	LOG of formula 1, or 2, and divide by:	formula 1. or 2, and divide pr.ps		Backpressure Slope = " or Assigned Standard St		nxl	.og []	Antilog	Е	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			<u> </u>		-		-								
pen Flow Mcfd © 14.65				55 psla	psla Deliv			erability			Mcfd ② 14.65 psia				
The u	ndersign	ed authority,	on beh	alf of the	Company, s	tates tha	t he is	duly au	thorized to	make th	e above repo			owledge of	
		rein, and that									CTOBER	·-····································		. 20 11 .	
COPY	TO K	CC WICH	ITA s (If any)				_	_	PREC	ISION	WIRELIN	E AND TI	ESTING	3	
		YYIZDAS	- III BOVI									оглозглу			

JAN 1 1 2012

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator NOBLE ENERGY	
and that 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 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 BLACK 2-15	
gas well on the grounds that said well:	
(Charle and)	
(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	
To hot dapase of producing at a daily tall in choose of 200 files, p	
I further agree to supply to the best of my ability any and all supporting documents deemed by Commissi	on
staff as necessary to corroborate this claim for exemption from testing.	
Date: 12-15-11	
Signature: AMBAN Francus	
Signature: Amesh Ammun Title: From From	
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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.