## SIP TEST

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

Type Test	t:				(	See Instruc	tions on Re	everse Side	<del>)</del> )					
Op	en Flow				Test Date	Test Date: API No. 15 - 175- 20 493 - 0000								
De	liverabil	ly 			9/5/12	·-								
Company NOBLE ENERGY					Lease BLACK A				Well Number 1-10					
County Location SEWARD C SW SW SW				Section 10		TWP 34S			W)		Acres Attributed			
Field ARKALON				Reservoir	OW/CHES	TER C			hering Conn	ection	NOV 1 3 To KCC WICH			
Completion Date 12-18-81				Plug Bac 5803	k Total Dep	th	Packer Set at NONE		Set at	and and definition and the second		OV 13 2		
	asing Size Weight				Internal E 4.052	Diameter		Set at 5852		rations	TO KCC N		C WICH	
Tubing Size 2.375		We	Weight 4.7		Internal E 1,995	Diameter			5578 Perforations		То			
Type Cor		(Describe)			Type Flui	d Productio				nit or Traveling	Plunger? Yes	/ No		
COMINGLED GAS Producing Thru (Annulus / Tubing)				WATE	R/OIL arbon Diox	ide	YES-PUMP % Nitrogen			Gas Gravity - G <sub>g</sub>				
ANNULUS										0.664				
Vertical E 5643	Jepth(H)						ssure Taps NGE				(Meter	Run) (Pr	over) Size	
Pressure Buildup: Shut in			/4/1:	2 2	0at0	at _0845		(AM) (PM) Taken 9/5/1		20	at _0845	(	AM) (PM)	
Well on L	.ine:	Started		2	0 at		(AM) (PM)	Taken		20	at	(	AM) (PM)	
				Pressure		OBSERVE	D SURFAC				Duration of Shut	-in24.	0 Hours	
Static / Dynamic Property	Orifica Size (inche:	Mete Prover Pre	Cucle one:  Meter  Prover Pressure  psig (Pm)		Flowing Temperature 1	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Wellhe	fubing ad Pressure r (P <sub>c</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (8arrels)		
Shut-In		1	•	Inches H <sub>2</sub> 0			261.2	275.6	psig	psia	24.0			
Flow														
			·		<del></del>	FLOW ST	REAM ATT	RIBUTES					·····	
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meler of Prover Pressure psia		Press Extension P <sub>m</sub> xh	Grav Fac	tor	Flowing Temperature Factor F <sub>t1</sub>	emperature Factor F		Metered Flov R (Mcfd)	GOR (Cubic Fo Barrel	eet/	Flowing Fluid Gravity G <sub>m</sub>	
					(005) 51	010 (071)	/FDADI(17)		ATIONS					
P <sub>c</sub> ) <sup>2</sup> =		: (P <sub>w</sub> )	<sup>2</sup> =				/ERABILIT\ % (	P <sub>e</sub> - 14.4) +		:		$)^2 = 0.26$ $)^2 =$		
$(P_c)^2 - (P_g)^2$ or $(P_c)^2 - (P_g)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		se formula 1 or 2:  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>b</sub> <sup>2</sup> 5. DG of formula  2. P <sub>c</sub> <sup>2</sup> - P <sub>b</sub> <sup>2</sup> 6. d by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		Backpres Slop		essure Curve pe = "n" or ssigned dard Slope	ו א ח	roe	Antilog	O		
			<del> </del>	<del></del>										
Open Flow		Mcfd @ 14.6		E pris		Dalivara	Deliverability		Main @ 14 CE .		neia.			
											Mcfd @ 14,65 ps			
	-	•					•			e above repo	rt and that he h	as knowl	-	
		KCC WICE									E AND TES	TING		
		Wilne	ss (if ar	ıy)	<del></del>		~	<b>-</b> ··		For (	Company			
COPY	10	KCC DODO	JE ( ommiss							MARK BRO	CK sked by			

exempt status under and that the forego correct to the best of of equipment instal I hereby reques	r penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator NOBLE ENERGY bing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records lation and/or upon type of completion or upon use being made of the gas well herein named. It is a one-year exemption from open flow testing for the BLACK A-1 unds that said well:						
(Check o	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 Nois not capable of producing at a daily rate in excess of 250 mcf/D						
_	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.						
Date:	13						
	Signature: Legy aronlyst						

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.