## 15-175-20493-0000

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

IP TEST	0	NE POINT	r Stabili	ZED OPE	EN FLO	W OR	DELIVE	ERABILIT	Y TEST	
Type Test:				(See Instruc						
Open Flo	ow		<b>.</b> . =						3	
Delivera	bilty		Test D 10/27		-		API	No. 15 - 17:	5-20,49 <b>6</b> -0	0000
Company NOBLE ENEI	RGY				Lease BLACK	<b>(</b> A	*		1-10	Well Number
County SEWARD		ocation SW SW SW	Section 10	Section 10			RNG (E/			Acres Attributed
Field ARKALON				Reservoir MORROW/CHESTER			Gas Gat	hering Conn	ection	Andrew Marie Andrew A
Completion Da 12-18-81	te		Plug B 5803	ack Total Dep	th	•	Packer S NONE	et at	* * * * *	
Casing Size 4.5	v	/eight 0.5		Internal Diameter 4.052		Set at 5852		rations	To 5707	
Tubing Size	375 4.7°			Internal Diameter 1.995		Set at Per 5660		rations	To	* · * · · · · · · · · · · · · · · · · ·
Type Completic		•		luid Productio ER/OIL	n		Pump Un YES-P	ilt or Traveling	Plunger? Yes	/ No
Producing Thru (Annulus / Tubing) ANNULUS			%	% Carbon Dloxide			% Nitrogen Gas Gravity - G			
/ertical Depth(I	H)				sure Taps				0.664 (Meter	Run) (Prover) Size
ressure Bulldu	up: Shut in .	10/26/11	20 at	0830	(AM) (PM)	- ) Taken_1	0/27/11	20	et_0830	(AM) (PM)
Vell on Line;										(AM) (PM)
				OBSERVE	D SURFAC	E DATA			Duration of Shut	24.0 Hour
Static / Orif Dynamic Siz Property (Inch	ze Prover Pressure		re Flowing Well Hear Temperature Temperatu		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>e</sub> )		Tubing Wellhead Pressure (P <sub>+</sub> ) or (P <sub>c</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
Shut-In					227.1	241.5	psig	psia	24.0	
Flow									-	
		<del></del>		FLOW STF	REAM ATT	RIBUTES			<del></del>	
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	Circle one: Meter or Prover Pressi psia	Prei Exton:	sion F	ravity actor F <sub>a</sub>	Flowing Temperature Factor F <sub>11</sub>	Fa	riation actor F	Metered Flow R (Mcfd)	GOR (Cubic For Barrel	Genette
			(OPEN F	LOW) (DELIV	ERABILITY	Y) CALCUI	ATIONS			
) <sup>2</sup> =	: (P	)² =				P <sub>r</sub> - 14.4) +		:		) <sup>2</sup> = 0.207 ) <sup>2</sup> =
$(P_c)^2 \cdot (P_a)^2$ or $(P_c)^2 \cdot (P_b)^2$	(P <sub>c</sub> )²- (P_)	$(P_{u})^{2} - (P_{u})^{2}$ Choose formula to: $(P_{u})^{2} - (P_{u})^{2}$ $(P_{u})^{2} - P_{u}^{2}$ $(P_{u})^{2} - P_{u}$		LOG of formula 1. or 2. and thirlds CD 2. D 2.		Backpressure Curve Slope = "n"or Assigned Standard Slope		.og	Antilog	Open Flow Deliverability Equals R x Antilog (Mctd)
Open Flow		Mold 6	14.65 psla		Delivera	hility		i	Mold & 14.65	la .
The unders	inned authori			alatas stario					Mcfd <b>@</b> 14.65 ps	
			s true and corre						rt and that he h	as knowledge of
COPY TO						PREC	ISION	WIRELIN	E AND TES	
СОРУ ТО		OSS (if any) GE CITY		· <del></del>		<del></del>			ompany V	TING RECEIVE
		Commission				<del>-</del> <del></del>		*	ked by	JAN 112

KCC WICHITA

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator_NOBLE_ENERGY
and that the foregoneric to the besion of equipment instance of hereby requirements.	going pressure information and statements contained on this application form are true and t of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the BLACK A-1 rounds that said well:
(Check	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
	e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: 12 1	<del>5-11</del>

## 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.