KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:			(See Instruc	tions on Rev	erse Side)			
Op	en Flov	,		Test Date	a.			ΔΡ	No. 15		
√ De	eliverabi	ty		5-10-1					-017-2086	8-00-00	
Company		o., Inc.				Lease Noble					Well Number 1
County Location Chase 500' FSL & 1980' FEL			Section 27		TWP RNG (E 19S 7E		/W)	Acres Attributed			
Field			Reservoir Lansing				Gas Gathering Connection American Energies Pipeline LLC				
Completi-				Plug Bac 1220'	k Total Dep	th		Packer	Set at		
Casing Size Weight 4 1/2" 10.5			Internal Diameter 4.052"		Set at 1220'		Perforations 1139'		To 1171'		
	ubing Size Weight		Internal Diameter		Set at 1171'		Perforations		То		
Туре Сог		(Describe) e (Gas +	O:1)	Type Flui water	d Production			Pump U	nit or Traveling	Plunger? Yes	/ 🔞
Producing	الو ni و Thite	Annulus / Tub	ing)		arbon Dioxi	ide		% Nitrog	lowing jen 5	Gas Gr	avity - G
tubing	•	•		0.734				11.06		0.692	!
Vertical [sure Taps				(Meter 3.0"	Run) (Prover) Size
	1220		-7	0 12 at 1	flang 0:00	-	5-	10	20		(414)
Pressure	Buildup			0 <u>12</u> at 1		(AM) (PM)				12 _{at} 10:00	(AM) (Paid)
Well on L	ine:	Started 5	-10 2	0 <u>12</u> at <u>1</u>		(AM) (AM)	Taken <u>3-</u>	11	20	at	(AM) (244)
					OBSERVE	D SURFACE	DATA			Duration of Shut	in 72 Hour
Static / Orifice Dynamic Size		e Meter	Circle one: Pressure Meter Differential Prover Pressure in		Well Head Temperature	l Wellhead Pressure		Tubing Welfhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)	Liquid Produced (Barrels)
Property (inches)		psig (Pm) Inches H ₂ 0		t t		psig psia		psig psia			·
Shut-In						100		70		72	
Flow	0.37	5		60	60	70		40		24	none
					FLOW STR	REAM ATTRIE	BUTES				Floring
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Extension Fac		Flowing Temperature Factor F _{ft}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	Gravity
									10		
<u> </u>			مورید			ERABILITY)					² = 0.207
(P _c) ² =		: (P _w)	Choose formula 1 or 2	P _a =			- 14.4) +		;	(P _d)	1
(P _c) ² - (or (P _c) ² - (l		$(P_c)^2 - (P_w)^2$	1. P _c ² - P _d ² 2. P _c ² - P _d ²	LOG of formula 1. or 2. and divide	D. D.	Slope	sure Curve = = "n" or gned	пх	LOG	Antilog	Open Flow Deliverability Equals R x Antilog
\' 6/ \'	d'		divided by: P _c ² - P _w ²	by:	P _c ² -P _w ²	Standa	d Slope		<u>. </u>		(Mcfd)
Open Flo			Mcfd @ 14.			Deliverabil				Mcfd @ 14.65 ps	
			on behalf of the							rt and that he ha	
the facts s	tated th	erein, and that	said report is true	and correc KANSA	t. Ex queige S CORPORAT	Medis the 9th TION COMMISS		day of _	mpril Y		, ₂₀ <u>13</u>
		Witnes	ss (if any)		APR 1	1 2013 -	To	/ /	For C	Company	
		For Co	mmission			ION DIVISION TA, KS			Che	cked by	

l de exempt	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 Range Oil Co., Inc.
and tha	the foregoing pressure information and statements contained on this application form are true and
	o the best of my knowledge and belief based upon available production summaries and lease records
of equip	ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the Noble #1
	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
l fui	ther 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: _4	-9-13
Jato	
	Signature:

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.