KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	tions on Re	verse Side)				
[] Ор	en Flow				T4 D-4				A DI	I No. 15			
✓ Deliverability			Test Date 5-10-1:			API No. 15 15-017-20833-00-00							
Company Range	Oil Co	in	С.			-	Lease Robert	s A				Well Nu	mber
County Location Chase 760' FSL & 1980' FWL			Section 13		TWP 19S	• •		/W)	Acres Attributed				
Field			Reservoir Lansing		Gas Gathering Conr American Energ			nection gies Pipeline LLC					
Completic 2-12-03					Plug Bac 1211'	k Total Dept	lh		Packer S	Set at			
Casing Size Weight 5 1/2" > 15.0				Internal [Diameter			Perfo	rations 6'	то 1164'			
Tubing Size Weight 2 3/8' 4.7				Internal [Diameter		Set at Perf		rations	То	То		
Type Con	npletion	(Desc		1)	Type Flui water	d Production				nit or Traveling	Plunger? Yes	√ @	
Producing	Ingle	Annul	us / Tubing)	17		arbon Dioxi	de		% Nitroc		Gas Gr	avity - (
tubing	,		uo , luollig,		0.058				11.19	•	0.690		0
Vertical D	epth(H)					Press	sure Taps	· -		· · · · · · · · · · · · · · · · · · ·	(Meter	Run) (Pa	rover) Size
1211'						flang	jeđ				3.0"		
Pressure	Buildup:		ut in5-7		12 at 1	0:00	(AM) (MA)	Taken 5-	10	20		(AM) (PM)
Well on L	ine:	Sta	arted <u>5-10</u>	2	0 12 at 1	0:00	(AM) (AM)	Taken <u>5-</u>	11	20	12 at 10:00	(AM) (1866)
						OBSERVE	D SURFACE		T		Duration of Shut-	in 72	Hours
Static / Dynamic Property	Orifice Size (inches	Pı	Circle one: Meter rover Pressure psig (Pm)	Pressure Differential in Inches H _o 0	Flowing Temperature t	Well Head Temperature t	Casi Wellhead (P _w) or (P	Pressure	We‼he (P _w) ∘	Tubing ad Pressure r (P _t) or (P _c)	Duration (Hours)		f Produced Barrels)
Shut-In	i_		paig (Fili)	menes 11 ₂ 0			150	psia	150	psia	72	_	
Flow	0.50				60	60	60		50		24	on	е
						FLOW STR	EAM ATTRI	BUTES					
Plate Coeffieci (F _b) (F _b	ent ,)	Me Prove	eter or Pressure	Press Extension	Grav Fact F _g	or T	Temperature 1			Flowing Fluid Gravity G _m			
		•								25			
*****			<u>'</u>		•	OW) (DELIVI						² = 0.2	07
(P _c) ² =		:	(P _w) ² =	 :	$P_d =$		6 (P	_c - 14.4) +	14.4 =	:	(P _d)	² =	
(P _c) ² - (F or (P _c) ² - (F	2 _a) ²	(P _c) ²		1. P _c ² - P _a ² 2. P _c ² - P _d ²	LOG of formula 1. or 2. and divide	p2_p2	Slop	sure Curve e = "n" or signed	l n x i	LOG [Antilog	Deli Equals	en Flow verability R x Antilog Mcfd)
			din	rided by: $P_c^2 - P_w^2$! <i>by</i> :	<u> </u>	Standa	ard Slope					
Open Flov	V			Mcfd @ 14.	65 psia		Deliverabi	lity 25			Mcfd @ 14.65 psi	а	
	_										rt and that he ha		
he facts st	ated the	rein, a	and that said	l report is true		Executed RECEIVE	EU .		day of A	μ)	Vashlow		<u> 13</u> .
			Witness (if a	ny)			2013	Ju	-/n-	For C	Company		
,			For Commiss	sion		ONSERVATION		.		Chec	ked by		

WICHITA, KS

	inder penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Range Oil Co., Inc.								
	regoing pressure information and statements contained on this application form are true and								
correct to the b	est 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 Roberts A #2									
	grounds that said well:								
(Ch	eck 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								
	gree to supply to the best of my ability any and all supporting documents deemed by Commission sary to corroborate this claim for exemption from testing.								
Date: 4-9-13									
	Signature: John M. Washim								
	Title: Exploration Manager								

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.