## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	i				(	See insinic	uons on He	verse Side	ע			
	en Flow				Test Date	<b>)</b> :			API	l No. 15		
<u></u>	iverabilty	<u>'</u>			8-9-11		<u></u> ,			5-30,025-0	00-01	///
Company		je Oil Com	npany	/			Lease Wasen	niller			1	Well Number
County Marion			ation SW/4	SW/4	Section 11		TWP 19S		RNG (E 1E	/W)	<i>,</i>	Acres Attributed
ield			•		Reservoir Mississ					thering Connican Energ	ection ies Pipeline, L	LC
ompletic						k Total Dep	th		Packer :	Set at	<u> </u>	D-
Casing Size Weight			Internal 0 4.052"	Diameter		Set at Perforat 2794' 2770'			то 2774'	KECEN		
	ing Size Weight		Internal Diameter		Set at 2783'		Perforations		То	AUG-1-8		
ype Con		Describe)	<del>'</del>		Type Flui water	d Productio		<u>-</u>	Pump U	nit or Traveling	Plunger? Yes	AUG 1 8
Derforation Producing Thru (Annulus / Tubing)				% Carbon Dioxide 0.09				% Nitrogen 6.35		Gas Gra 0.687	avity - G <sub>g</sub>	
ubing ertical D	epth(H)				0.09	Pres	sure Taps	<del></del>	0.33			Run) (Prover) Size
2794'				flanged					3 inch			
ressure	Buildup:	Shut in 8	-8	20	11 at 1	0:00	(AM) ( <b>CON</b> )	Taken_8-	9	20	11 at 10:00	(AM) ( <del>PM)</del>
/ell on L	ine:	Started 8	-9		11 at 1		(AM) (AM)			20	11 at 10:00	(AM) (AM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	in 24 Hours
Static / ynamic roporty	Orifice Size (inches	Prover Pres	ssure	Pressure Differential in	Flowing Temperature t	Well Head Temperature t	(P <sub>w</sub> ) or (P	Pressure	Wellho	Tubing ead Pressure or $(P_t)$ or $(P_c)$	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		psig (Fr	"	Inches H <sub>2</sub> 0	<u> </u>		130	psia	120	psia	24	
Flow	0.375	5			60	60	110		78		24	30
						FLOW ST	REAM ATTR	IBUTES				
Plate Coeffied (F <sub>b</sub> ) (F Mcfd	ent	Circle one: Meter or Prover Pressure psia		Press Grav Extension Fact  ✓ P <sub>m</sub> x h F <sub>c</sub>		tor	Flowing Temperature Factor F <sub>tt</sub>	Fe	lation ector	Metered Flo Fl (Mcfd)	w GOR (Cubic Fer Barrel)	Grouthy
										32		
)² =		: (P <sub>w</sub> )	² =	:	(OPEN FL P <sub>d</sub> =		/ERABILITY % (f	) CALCUL P <sub>a</sub> - 14.4) +		:	(P <sub>a</sub> ); (P <sub>d</sub> );	<sup>2</sup> = 0.207 <sup>2</sup> =
(P <sub>e</sub> ) <sup>2</sup> - (I or (P <sub>e</sub> ) <sup>2</sup> - (I	2 <sub>a</sub> ) <sup>2</sup>	(P <sub>e</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1.	se formula 1 or 2: , P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup> , P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup> od by: P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> - P <sub>*</sub> <sup>2</sup>	Sio As	ssure Curve pe = "n" - or signed lard Slope	1	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mctd)
							-					
pen Flo	l		<u> </u>	Mcfd @ 14.0	55 psia	•	Deliverat	oility		32	Mcfd @ 14.65 psi	ia
		ned authority.				states that I		•	o make t		ort and that he ha	
	_	rein, and that					٠.	_	day of _	-		an 11
								(	John	~ m	Wash	
		Witnes	ss (if any)				-			For	Company	<del></del>

	penalty of perjury under the laws of the state of Kansas that I am authorized Rule K.A.R. 82-3-304 on behalf of the operator Range Oil Company, Inc.	
•	ing pressure information and statements contained on this application form ar f my knowledge and belief based upon available production summaries and lea	
of equipment installa	ation and/or upon type of completion or upon use being made of the gas well here t a one-year exemption from open flow testing for the #1 Wasemiller	
as well on the grou		
is is is it	s a coalbed methane producer	RECE AUG 1 KCC WI(
Date: 8-17-11	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.