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

Type Test	12			(	388 IIISII	ictions on He	iverse side	"					
∐ Ор	en Flow			Test Date	۸.			AΦ	I No. 15				
<b>√</b> De	liverabilty	<i>!</i>		8-12-1					7-20,868 ~	0000			
Company	Rang	je Oil Com	pany			Lease Noble				1	Well Numb	per	
County Location Chase 500' FSL & 1980' FEL		Section 27		TWP 19S			<b>(</b> W)		Acres Attributed				
Field SWSE			Reservoir Lansing				Gas Gathering Connection American Energies Pipeline, LLC						
Completion Date 11-10-04				Plug Bac 1220'	k Total De	epth	Packer Set at				RECEIVE		
Casing Size Weight 4 1/2" 10.5#			Internal Diameter			Set at 1220'		Perforations 1139'			G 182		
Tubing Si 2 3/8"	ubing Size Weight 3/8" 4.7#		Internal Diameter			Set at 1171'		orations	То	KCC	WICH		
<del></del>		(Describe)		Type Flui water	d Product		<u> </u>	Pump L	Init or Traveling	Plunger? Yes	/ No	<u></u> (	
Producing Thru (Annutus / Tubing) tubing			% C	% Carbon Dioxide			% Nitro	_		Gas Gravity - G <sub>g</sub>			
Vertical D	epth(H)			0.070		essure Taps			·		Run) (Prov	er) Size	
1220'						nged .				3 inch		•	
Pressure	Buildup:	Shut in 8-				(AM) (****	Taken_8-			11 at 10:15		A) (*****)	
Well on L	ine:	Started 8-	12 2	o <u>11</u> at <u>1</u>	0:15	(AM) ( <b>PAN</b> )	Taken <u>8</u> -	-13	20	11 at 10:15	(AN	A) (2000)	
					OBSER	VED SURFAC	E DATA			Duration of Shut-	<sub>in</sub> 24	Hours	
Static / Dynamic Property	Orifice Size (inches	Prover Pres.	Differential in	Flowing Temperature t	Well Hea	d Ca Wellhead	sing d Pressure P,) or (P <sub>e</sub> )		Tubing ead Pressure or (P <sub>t</sub> ) or (P <sub>c</sub> )	Duration Liquid Produce (Hours) (Barrets)		roduced	
	·	' psig (Pm	) Inches H <sub>2</sub> 0			psig	psla	psig	psia		-		
Shut-In	0 27	=		60	60	98	<u> </u>	94		24			
Flow	0.37	<u> </u>		60	60	51		45		24	none		
	—т			<u> </u>	FLOW S	TREAM ATTI	RIBUTES		T	<del></del>			
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension P <sub>m</sub> x h	Gra Fac F	tor	Flowing Temperature Factor F <sub>ft</sub>	Fa	riation actor F <sub>pv</sub>	Metered Flor R (Mcfd)	W GOR (Cubic Fe Barrel)	et/ G	Flowing Fluid Gravity G <sub>m</sub>	
							·		8				
				(OPEN FL	OW) (DEL	IVERABILIT	Y) CALCUL	ATIONS		(P.)	) <sup>2</sup> = 0.207		
(P <sub>c</sub> ) <sup>2</sup> =		: (P <sub>w</sub> ) <sup>2</sup>	=:	P <sub>d</sub> =		_%(	P <sub>c</sub> - 14.4) +	- 14,4 = _	<u>     :         :                     </u>	(P <sub>d</sub> )			
$(P_e)^2 - (P_a)^2$ or $(P_e)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 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>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		LOG of formula 1. or 2.		Sk A	Backpressure Curve Slope = "n"		roe	Antilog	Open F Delivera Equals R x (Mcte		
				_		,							
Open Flo	w		Mcfd @ 14	.65 psia		Delivera	bility		8	Mcfd @ 14.65 ps	ia		
	_	-	on behalf of the said report is tru			•			the above repo	ort and that he ha	as knowled	-	
		\$4 fla	(II one)			-	(	Joh	<u>_m.</u>	Wadhen	<u></u>		
		wanes	(if any)					(/	Fore	Company			

, , , ,	iry under the laws of the state of Kansas that I am authorized 3-304 on behalf of the operator Range Oil Company, Inc.	ed to request
and that the foregoing pressure info correct to the best of my knowledge	ormation and statements contained on this application form and belief based upon available production summaries and length of the gas well here.	ease records
• •	mption from open flow testing for the #1 Noble	····
gas well on the grounds that said we	ell:	
(Check one) is a coalbed meth is cycled on plun	hane producer iger lift due to water	RECEIV
is on vacuum at t	tural gas for injection into an oil reservoir undergoing ER the present time; KCC approval Docket No producing at a daily rate in excess of 250 mcf/D	KCC WIC
	best of my ability any and all supporting documents deemed nis claim for exemption from testing.	by Commission
Date: 8-17-11		
	Signature: John M. Washling	

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.