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

Type Test	t:				(	See Instruct	tions on Rev	verse Side	<i>')</i>					
	en Flo liverat				Test Date	<b>)</b> :				No. 15 191-22251 -	· 00- (	00		
Company Legacy I		ves					Lease Luder					w 1	'ell Numbe	эг
County			Locati E2 NW		Section 08		TWP 35S		RNG (E.	W)			cres Attrib	outed
Field			L2 1444		Reservoi	7	333	· · · ·		thering Conn	ection			RECE
Caldwell				<del> </del>	Mississi	· · · · · · · · · · · · · · · · · · ·		****	Atlas P	<del> </del>			A1	in .
9/13/199		te			Plug Bac 4906'	k Total Dept	th ·		Packer S	Set at			AG.	15 T
Casing S 5 1/2"	ize		Weigh 17#	t	Internal [	Diameter	Set a 5008		Perfo 463	rations 3'		To 4770'	AL KCC	WIC
Tubing Si 2 7/8"	ize		Weigh <b>6.5</b> #	t	Internal [	Diameter	Set a	ıt	Perfo	rations	-	То		
Type Con Single 2		n (D	escribe)	<del> </del>	Type Flui Oil & V	d Production	า			nit or Traveling Pumping U		Yes /	No	
	g Thru	(An	nulus / Tubing	3)		arbon Dioxi	de		% Nitrog			Gas Grav		
Tubing  Vertical D	)enth/l				0.3390		sure Taps		9.606	0		0.7451	un) (Prove	r) Sizo
4996'	zebai(i	וי				ries:	sure raps				(	weter nu	an) (Frove	ii) Size
Pressure	Buildu	ıp:	Shut in 8/1	6 2	11 at 8	:00 am	(AM) (PM)	Taken_8/	17	20	11 at 8	:00 am	1 (AM	) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at		(AM	) (PM) .
						OBSERVE	D SURFACE	E DATA			Duration o	of Shut-in	24	Hours
Static / Dynamic Property	Dynamic Siz		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Temperature Temperature		$(P_w)$ or $(P_t)$ or $(P_c)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)		oduced els)
Shut-In			poig (i iii)	1101100 1120			psig 120	psia	psig	psia			-	-1
Flow														
<del> </del>	·					FLOW STR	EAM ATTR	IBUTES						
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fac F <sub>s</sub>	tor 1	Flowing Femperature Factor F <sub>tt</sub>	Fa	iation ctor : pv	Metered Flov R (Mcfd)		GOR Cubic Feet Barrel)	,	Flowing Fluid Gravity G <sub>m</sub>
Ĺ			· · · · · · · · · · · · · · · · · · ·	·.	(OPEN EL	OW) (DELIV	ERABILITY	CAL CUI	ATIONS					
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>d</sub> =			) - 14.4) +		:		(P <sub>a</sub> )² = (P <sub>d</sub> )² =	= 0.207 =	
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2.	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Backpres Slop Ass	ssure Curve be = "n" or signed ard Slope	n v	roe	Antilo	oa .	Open I Delivera Equals R > (Mcf	ability x Antilog
					1									
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	ility		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	Mcfd @ 14	.65 psia		
The u	unders	_	•	n behalf of the	Company, s		e is duly au	thorized to		ne above repo			_	
the facts s	tated t	herei	n, and that sa	aid report is true	e and correc	t. Executed	this the 6t	<u>n</u>	day of A	ugust	esen	we 1	, 20 _	
			Witness (i	f any)			7		gr	For C	Company	0	·	
			For Comm	ission	·		-			Chec	ked by			

	ander perially or perjury under the laws of the state of Karner in
exe	I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request empt status under Rule K.A.R. 82-3-304 on behalf of the operator Legacy Reserves
and	that the foregoing pressure information and statements
cor	that the foregoing pressure information and statements contained on this application form are true and
	I hereby request a one-year exemption from open flow testing for the Luder 1
gas	well 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 initial
	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
	V IS NOT Capable of producing at a daily rate:
	is not capable of producing at a daily rate in excess of 250 mcf/D
l staff	further agree to supply to the best of my ability any and all supporting documents deemed by Commission as necessary to corroborate this claim for exemption from testing.
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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.