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

Type Test	t:				(	See instruc	tions on Rev	rerse Side	)				
	en Flo liverat				Test Date				API	No. 15	0000	)	
		,y			02/22/20	011			023	3-20292 -	. 0000		
Petrole		eve	lopment C	Огр		Lease Clara Z					34-1	Well Number 34-15-1	
County Location Cheyenne NWSWSE				Section 34				RNG (E/ 42W	W)		Acres Attributed 160		
Field Cherry	Cree	k			Reservoir Niobrar					hering Conn ureka Gat			
Completic 01/09/1		te			Plug Bac 1693'	k Total Dep	oth		Packer S n/a	Set at			
Casing S 4.5"	lize		Weigh 10.5#		Internal C 4"	Diameter	Set a 1741		Perfo 159	rations 6'	то 1630'	l	
Tubing Si 2.375"	ize		Weigh 4.75#		Internal [	Diameter	Set a 1644		Perfo	rations	То		
Type Con N2 Frac		n (De	escribe)		Type Flui	d Production	on		Pump Ur Yes, F		Plunger? Yes	/ No	
Producing	-	(Anı	nulus / Tubin	g)	% C <1%	arbon Diox	ride		% Nitrog		Gas G	ravity - G	
Vertical C		1)			-170	Pres	ssure Taps		~170	,	(Meter	Run) (Prover) Size	
1812' Pressure	Builde	in:	Shut in 02/	22	11 <sub>at</sub> 8	:15am	(AM) (PM)	Taken 02	2/23	20	11 <sub>at</sub> 8:20a	m (AM) (PM)	
Well on L												(AM) (PM)	
						OBSERVI	ED SURFACE	DATA			Duration of Shut	t-in 24 Hours	
Static / Dynamic Property	Orif Siz (inch	:e	Circle one: Meter Prover Pressi	Pressure Differential ure in	Flowing Temperature t	Well Head Temperature	Casi Wellhead t	Pressure	Wellhe	Fubing ad Pressure · (P <sub>1</sub> ) or (P <sub>c</sub> )	Ouration (Hours)	Liquid Produced (Barrels)	
Shut-In	(		psig (Pm)	Inches H <sub>2</sub> 0			psig 220	psia	psig	psia			
Flow						<u> </u>		<del></del>					
	!			J	I <u> </u>	FLOW STI	REAM ATTRI	BUTES	l <u> </u>		<u> </u>	<del></del>	
Plate Coeffiec (F <sub>b</sub> ) (F McId	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Faci F <sub>c</sub>	tor	Flowing Temperature Factor F <sub>f1</sub>	Fa	ialion clor : pv	Metered Flow R (Mcfd)	w GOR (Cubic F Barrel	eet/ Fluid	
				<u>.</u>	(OPEN EL	OW) (DELI)	VERABILITY)	CALCIII	ATIONS				
(P <sub>c</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u>	P <sub>d</sub> =		·	- 14.4) +		·:	.,	) <sup>2</sup> = 0.207 ) <sup>2</sup> =	
(P <sub>e</sub> ) <sup>2</sup> - (I	-	(F	P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P.2-P.2	Slop	ssure Curve e = "n" or signed ard Slope	l n x i	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	-												
Ĺ													
Open Flow Mcfd  € 14.65 psia Deliverability Mcfd  €  The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and										Mcfd @ 14.65 ps	· · · · · · · · · · · · · · · · · · ·		
		-	-	n benail of the	•		•	2	day of J	uly	ort and that he h	as knowledge of , 20	
			Witness (	if any)			_	9	M	Ford	Company	APh	
			For Comm	nission			_		<del></del>	Che	cked by	CEIVED	
											AU	G 0 2 2011	

KCC WICHITA

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corp
and that the foregorrect to the best of equipment insta I hereby reque	oing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records litation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the Clara Z 34-15-1 bunds that said well:
(Check	
Sale	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.

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