KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test			• • • • • • • • • • • • • • • • • • • •		(See Instruct	ions on Reve	erse Side)			
:	en Flo Iliverat				Test Date 03/10/20				API 02:	No. 15 3-20826	0000)
Company Petrole		eve	lopment (Corp			Lease Rueb Fa	arms			32-34	Well Number
County Cheyenne				Location SWSWNE		Section 34		TWP 3S		W)	Acres Attributed 160	
Field Cherry	Cree	k			Reservoir Niobrar					hering Conne Stones Thro	ection ow Gathering	
Completion 05/01/2		0			Plug Bac 1671'	k Total Dept	h		Packer S n/a	Set at		
Casing Size 4.5"			Weigl 10.5#		Internal Diameter 4"		Set at 1694'		Perforations 1540'		то 1554'	
Tubing Size 2.375"			Weigl 4.75		Internal Diameter 2"		Set at 1584'		Perforations		То	
Type Con N2 Frac		n (De	escribe)		Type Flui Brine V	d Production Vater	1		Pump U Yes, F	nit or Traveling	Plunger? Yes	/ No
Producing Annulus	-	(Anı	nulus / Tubin	g)	% C <1%	arbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G
Vertical D 1715'	epth(F	1)				Press	sure Taps				(Meter I	Run) (Prover) Size
Pressure	Buildu	p:	Shut in 3/1	0 2	11 at 10	0:21am	(AM) (PM) 1	aken_3/	11	20	11 at 11:27a	IM (AM) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM) 1	aken		20	at	(AM) (PM)
			 			OBSERVE	D SURFACE				Duration of Shut-	in 24 Hours
Static / Dynamic Property	Orifi Siz (Inch	e	Circle ene: Meter Prover Press psig (Pm)	Pressure Differential ure in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casin Wellhead P (P _w) or (P _t) psig	ressure	Wellhe	Tubing ad Pressure r (P ₁) or (P ₀) psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In							180	, perm	, , , , , , , , , , , , , , , , , , ,			
Flow												
						FLOW STR	EAM ATTRIE	UTES				
Plate Coefficient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Grav Fact F _g	or T	Temperature Fac		iation Metered Flow ictor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_m
	,											
(P _c) ² =	.1	_:	(P_)² =	<u> </u>	(OPEN FLO	• •	ERABILITY) (P_	CALCUL - 14.4) +		:		2 = 0.207 2 =
(P _a) ² - (I or (P _a) ² - (I		(F	P _o) ² - (P _w) ²	Choose formula 1 or 2 1. P ₂ ² - P ₂ ² 2. P ₂ ² - P ₃ ² divided by: P ₂ ² - P _w	LOG of formula 1, or 2, and divide	b.s-b.s	Backpress Slope	ure Curve = "n" 	n×	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
						· · · · · · · · · · · · · · · · · · ·						
Open Flor	w		····	Mcfd @ 14.	65 psia		Deliverabili	ty			Mcfd @ 14.65 psi	a
The u	unders	igned	d authority, o	n behalf of the	Company, s	tates that h	e is duly auth	norized to	make th	e above repo	rt and that he ha	s knowledge of
the facts s	tated t	herei	n, and that s	aid report is true	e and correct	. Executed	this the 14					, 20 2011 .
			Witness	it any)			<u></u>	In		For C	Company R	ECEIVED
			For Comr	ntssion		·- 				Chec	ked by AU	G 0 2 2011

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request or not request of Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corp
and that the fore correct to the be of equipment ins	egoing pressure information and statements contained on this application form are true and st of my knowledge and belief based upon available production summaries and lease records tallation and/or upon type of completion or upon use being made of the gas well herein named. uest a one-year exemption from open flow testing for the Rueb Farms 32-34
gas well on the g	grounds that said well:
	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
_	ee to supply to the best of my ability any and all supporting documents deemed by Commission ry to corroborate this claim for exemption from testing.
Date: <u>07/14/201</u>	1
	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.

RECEIVED

AUG 0 2 2011

KCC WICHITA