KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruct	ions on Reve	rse Side)			
Open Flow			Total Date	Took Dake.				ADIANA 45				
[/ Dalisarahilta				Test Date: 01/26/2011				API No. 15 023-20829 —				
Company		eve	lopment C	Corp			Lease Rueb Fa	ırms				Well Number
County Cheyenne			Location NESESE		Section 34			TWP 3S		W)	Acres Attributed	
Field Cherry Creek						Reservoir Niobrara				hering Conne	ction w Gathering	
Completion Date 05/01/2008					Plug Bac 1675'	Plug Back Total Depth		Packer S n/a		Set at	. <u> </u>	
Casing Size 4.5"			Weigh 10.5#		Internal E 4"	Internal Diameter 4"		Set at 1699'		rations O'	то 1544'	
Tubing Size 2.375"		-	Weigh 4.75#		Internal Diameter 2"		Set at 1567'		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 Thru (Annulus / Tubing Annulus			g)	% Carbon Diox					en	Gas Gr	Gas Gravity - G	
Vertical D		1)				Pres	sure Taps		<1%		(Meter I	Run) (Prover) Size
Pressure	Buildu	p:	Shut in 01/	26	20 11 at 1	1:50am	(AM) (PM) T	aken_01	/27	20	11 at 12:00p	om(AM) (PM)
Well on L	ine:		Started	2	0 at	**********	(AM) (PM) T	aken		20	at	(AM) (PM)
			1 0 .		1	OBSERVE	D SURFACE		1		Duration of Shut-	in 24 Hours
Static / Oynamic Property	Orifi Siz (inch	Ð	Circle one: Meter Prover Pressi psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casin Wellhead Pr (P _w) or (P ₁) psig	ressure	Wellha	Tubing ead Pressure r (Pt) or (Pa)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In							115					
Flow												
			•	1		FLOW STR	EAM ATTRIE	UTES				
Plate Coeffictient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	xtension Factor		Flowing Temperature Factor F _{f1}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity
							•					
L				<u></u>	(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS	<u> </u>		2_ 0.207
(P _c) ² =		_:	(P _w) ² =	:	$P_d =$		% (Р _е	- 14.4) +	14.4 = _	:	(P _a)	² = 0.207 ² =
(P _a) ² - (F or (P _a) ² - (F)²	(F	(P _w) ² - (P _w) ²	1. P _c ² · P _d ² 2. P _c ² · P _d ²			Backpress Slope 0 Assig	= "n" 	nx	LOG	Antilog	Open Flow Deliverability Equals R x Antilog
	-			divided by: $P_c^2 - P_w$	2 by:	P _e ² - P _w ²	Standar			L J		(McId)
Open Flow			Mcfd @ 14.65 p			psia Deliverabil		ty	- M-1,		Mcfd @ 14,65 psia	
The c	undersi	igned	d authority, o	n behalf of the	Company, s	states that h	e is duly auth	norized to	make ti	ne above repo	rt and that he ha	s knowledge of
the facts s	tated ti	herei	n, and that s	aid report is tru	and correc	t. Executed	this the 14	!	day of <u>J</u>	uly		, 20 <u>2011</u> .
									2/1	//		
···	_		Witness (f any)				4	77-	For C	ompany R	ECEIVED
			For Comm	nission			-			Chec	ked by A	UG 0 2 2011

1 -11 -								
	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request tus under Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corp							
	e foregoing pressure information and statements contained on this application form are true and							
	ne best of my knowledge and belief based upon available production summaries and lease records							
	nt installation and/or upon type of completion or upon use being made of the gas well herein named.							
	y request a one-year exemption from open flow testing for the Rueb Farms 44-34							
	the grounds that said well:							
gas wen 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 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							
	er agree to supply to the best of my ability any and all supporting documents deemed by Commission cessary to corroborate this claim for exemption from testing.							
Date: <u>07/1</u>	4/2011							
	Signature:							
	Title: Sr. Engineering Tech							

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