KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				((See Instruc	tions on Rev	erse Side)			
Open Flow				T . D .								
✓ Deliverabilty				Test Date: 02/17/2010				No. 15 3-20905 — (000			
Company		eve	elopment C	Corp	•		Lease McCall				14-4	Vell Number
County Cheyenne			Locat SWSV		Section 4			TWP RNG (E/W) 5S 40W		W)	Acres Attributed 160	
Field Cherry	Cree	k			Reservoi Niobra		· · · · · · · · · · · · · · · · · · ·			hering Conne Drury Gathe		
Completion Date 04/30/2008				Plug Bac 1547'	k Total Dep	th	Packer Set at n/a					
Casing S 4.5"	ize	-	Weigh 10.5#		Internal Diameter 4"		Set at 1569'		Perforations 1420'		To 1432'	
Tubing Si 2.375"	ize		Weigh 4.75#		Internal Diameter 2"		Set at 1443'		Perforations		То	
Type Con		n (De			Type Flu	id Productio Water			Pump Ur Yes, P	nit or Traveling	Plunger? Yes	/ No
Producing	g Thru	(Anı	nulus / Tubin	g)		Carbon Diox	ide		% Nitrog		Gas Gra	avity - G _g
Annulus		*			<1%		T		<1%		484-4-6	
Vertical D 1590'	epin(F	1)				Pres	ssure Taps				(Meter F	Run) (Prover) Size
Pressure	Buildu	p:	Shut in 02/	23	₂₀ 11 _{at} 1	:20pm	(AM) (PM)	Taken_02	/24	20	11 _{at} 1:20pm	1 (AM) (PM)
Well on L	ine:		Started	2	20 at	······································	(AM) (PM)	Taken		20	at	(AM) (PM)
			_			OBSERVE	D SURFACE	DATA			Duration of Shut-i	n 24 Hours
Static / Dynamic Property	Orilli Siz (inch	8	Circle one: Meter Prover Pressi		Flowing Temperature t	Well Head Temperature t	Casir Welthead F (P _w) or (P ₁	ressure	Wellhe	ubing ad Pressure (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In			psig (Pm)	Inches H ₂ 0			psig 142	psia	psig	psia		
Flow									-			
				T		FLOW STE	REAM ATTRI	UTES				
Plate Coeffied (F _b) (F Mofd	ient	Pro	Circle one: Meter or over Pressure psia	Press Extension √ P _m x h	Gra Fac F	tor	Flowing Temperature Factor F ₁₁	Fa	ation clor	Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m
L]			<u> </u>	(0.05)	OWN (DELB	/CO 4 DIL 1730					
(P _c) ² =		_:	(P_)² =	::	P _d =		/ERABILITY) % (P,	- 14.4) +		<u> </u>	(P _a) ² (P _a) ²	= 0.207 =
(P _a) ² - (I	•	(F	P _e) ² - (P _w) ²	1. P _c ² -P _e ² 2. P _c ² -P _e ²	LOG of formula 1. or 2.		Backpresi Slope	sure Curve 3 = "n"	n x l	LOG	Antilog	Open Flow Deliverability Equals 8 x Antilog
())))				dMided by: P.2 - P.	and divide by:	P _c ² -P _w ²		gned rd Slope				(Mcfd)
. <u></u>												
Open Flor	w I		<u>.</u> !	Mcfd @ 14	.65 psia		Deliverabil	ity		[Mcfd @ 14.65 psia	
The i	undersi	gned	d authority, o	n behalf of the	Company,	states that h	ne is duly aut	horized to	make th		rt and that he has	
the facts s	tated th	nerei	n, and that s	aid report is tru	e and correc	t. Executed	this the 12		day of <u>Ji</u>	uly		, 20 11
			Witness (if any)			_	H		For C	onipany	RECEIVED
		_	For Comm	nission			_			Chec	ked by	AUG 0.2 2011

KCC WICHITA

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corp
and that the foregoerrect to the best of equipment install the property of the	going pressure information and statements contained on this application form are true and tof my knowledge and belief based upon available production summaries and lease records allation 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 McCall 14-4 ounds 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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: <u>07/12/201</u>	
	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
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