KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	l:				(See Instruct	ions on Rev	erse Side)				
□ Ор	en Flo	w			Test Date				ΔDI	No. 15	, ~		
√ De	liverab	ilty			03/02/20					3-20836	- WOO)	
Company		eve	lopment C	orp			Lease Rice		•		31-34	Well Number	
County Cheyenne			Location NWNWNE		Section 34		TWP 3S		RNG (E/W) 42W		Acres Attributed		
Field Cherry	Cree	 k	:		Reservoir					thering Conne Stones Thro	ection ow Gathering		
Completic 05/01/2		е		- H., H., H L. H., L	_	Plug Back Total Depth		Packer Set at n/a		Set at			
Casing Size			Weigh 10.5#		Internal Diameter		Set at 1651'		Perforations 1520'		т _о 1534'		
Tubing Size			Weight		Internal Diameter		Set at		Perforations		То	То	
2.375"			4.75#		2"		1566	' 			**************************************		
N2 Frac	cture	,	·		Brine V				Yes, F		_	/ No	
Producing Thru (Annulus		(Anı	Annulus / Tubing)		% C <1%	arbon Dioxi	de	% Nitrogen <1%		gen	Gas Gravity - G		
Vertical D	•	1)			< 176	Press	sure Taps		170		(Meter	Run) (Prover) Size	
1670'		•,									(=:=:	, (,	
Pressure	Buildu	p:	Shut in03/	022	0 11 at 8	:50am	(AM) (PM)	raken_03	/03	20	11 at 12:30p	om (AM) (PM)	
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
	ı		1		1	OBSERVE	D SURFACE				Duration of Shut	in 24 Hours	
Static / Dynamic Property	Orifi Siz (Inch	0	Circle one: Meter Prover Pressu		Flowing Temperature t	Well Head Temperature t	Casir Wellhead F (P _w) or (P _t	ressure	Wellhe	Tubing ead Pressure r (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H ₂ 0			psig 110	psia	psig	psia			
Flow													
					·	FLOW STR	EAM ATTRI	BUTES			<u>+</u> ·		
Plate Coeffiec (F _b) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Grav Fact F _c	tor	Flowing Femperature Factor F ₁₁	Fa	ation ctor	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	Gravity	
								1					
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P _a)	² = 0.207	
(P _c) ² =		<u>=</u> :_		:	P _d =	%	% (P,	- 14.4) +	14.4 =	:	(P _d)		
(P _e) ² - (I or (P _e) ² - (I	•	(F	P _e) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 \cdot P_a^2$ 2. $P_c^2 \cdot P_d^2$ divided by: $P_c^2 \cdot P_d^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slope Ass	sure Curve = "n" or gned rd Slope	лх	roe	Antilog	Open Flow Defiverability Equals R x Antilog (Mcfd)	
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd @ 14.65 ps	ia	
							·				rt and that he ha	•	
the facts s	tated t	herei	n, and that sa	id report is true	and correc	t. Executed	this the 14		day of _	uiy		, 20 2011	
			Witness (i	any)				Q	<u> </u>	gh.	Сотрапу	RECEIVED	
			For Comm	Ission		.				Chec		AUG no 2011	
												NIDS II 7 71111	

KCC WICHITA

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corp
and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Rice 31-34
gas well on the 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 I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing. Date: 07/14/2011
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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