KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Rev	erse Side)				
	oen Flo eliveral				Test Date 02/23/20					No. 15 3-20936 ~	0000)	
Company		eve	lopment C	Corp			Lease Culwell			,	42	Well No	umber
County Cheyer			Locat NESE	ion	Section 8		TWP 5S		RNG (E	(W)		Acres 160	Attributed
Field Cherry	Cree	k	· · · · · · · · · · · · · · · · · · ·		Reservoir Niobrai					thering Conn Drury Gathe			
Completion 04/29/2		te			Plug Bac 1550'	k Total Dept	h		Packer :	Set at			***
Casing S 4.5"			Weigh 10.5#		Internal [Diameter	Set at 1571			orations	To	36'	
Tubing S	ize		Weigl	nt	Internal D	Diameter	Set at	1		orations	To		
2.375" Type Cor	npletic	n (D	4.75# escribe)	<u> </u>	2" Type Flui	d Production	1445	. '	Pump U	nit or Traveling	Plunger?	Yes / No	
N2 Frac	cture		nulus / Tubin	<u> </u>	Brine V	Vater			Yes, F	2U		s Gravity -	
Annulu	-	יייר) י	1005 7 100111	9)	<1%	aroon blox	ue		<1%	jen	Ga	s Glavity -	G,
Vertical C	Depth(H)			•	Pres	sure Taps			-	(Me	eter Run) (f	rover) Size
Pressure	Buildi	ıp:	Shut in _02/	23 2	0 11 at 9	:00am	(AM) (PM)	Taken 02	2/24	20	11 at 9:0	0am	(AM) (PM)
Well on L	_ine:			20									
						OBSERVE	D SURFACE	DATA			Duration of S	Shut-in 24	Hours
Static / Oynamic Property	Orii Si: (inct	40	Circle one: Meter Prover Press: psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casir Wellhead F (P _w) or (P ₁	ressure) or (P _c)	Wellhe	Tubing ead Pressure or (P ₁) or (P ₆)	Duration (Hours)		
Shut-In	ļ <u>.</u>		p-15 (* · · · /				140	psia	psig	psia			
Flow													
			·	Ţ·		FLOW STR	EAM ATTRI	BUTES					
Plate Coeffiec (F _b) (F Mcfd	ient	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Grav Fact F _e	or T	Flowing Femperature Factor F ₁₁	Fa	iation ctor - py	Metered Flor R (Mcfd)	(Cub	SOR pic Feet/ arrel)	Flowing Fluid Gravity G _m
					/ODEN SI	0142 (DELLY	ED A DULITA	041.000			<u> </u>		<u> </u>
(P _c) ² =		:	(P _w)² =	·:	P _d =		ERABILITY) % (P	- 14.4) +		:		$(P_a)^2 = 0.3$ $(P_d)^2 = $	207
(P _c) ² - (I	•	(F	P _c)²- (P _w)²	1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1, or 2. and divide	P _c ² · P _w ²	Slope 	sure Curve = "n" or gned rd Slope	n x	roe	Antilog	De	pen Flow liverability s R x Antilog (Mcfd)
											-		
0 51-					OS asia		D-l'arraba				14-(4-0-44-0	5	·
Open Flo		ione	1 authority o	Mcfd @ 14.		tates that h	Deliverabil	·-	n make ti		Mcfd @ 14.6	-	vledge of
		_		ald report is true			· ·						20 11
	<u> </u>	··········	Witness (if eny)			_	S		For	Company	RECE	IVED
			For Comm	nission			_			Che	cked by		2 2011

KCC WICHITA

exempt status un	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corpusiong pressure information and statements contained on this application form are true and
of equipment inst	of 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 Culwell 42-8
	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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
	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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