KCC WICHITA

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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Rev	verse Side)			
Op	en Flov	v			Test Date	a·			ΔDI	No. 15	- 3	
√ De	liverabi	lty			02/22/2					3-20302_ (D000 C	
Company		eve	lopment C	orp			Lease Bruns w	/ig			7-12-3	Well Number
County Cheyer	ne		Location NWNV		Section 7		TWP 2S		RNG (E/ 41W	W)		Acres Attributed
Field Cherry		ζ			Reservoi Niobra					hering Conne Eureka Gath		
Completic 01/29/1	on Date				Plug Bac 1659'	k Total Dep	th		Packer S			
Casing S 4.5"	ize		Weigh 10.5#		Internal [Diameter	Set a		Perfo	rations 2'	To 1566'	
Tubing Si	ze		Weigh 4.75#		Internal I	Diameter	Set a	ıt		rations *	То	
Type Con		(De		***************************************		d Productio Nater			Pump Ur Yes, P	nit or Traveling	Plunger? Yes	/ No
		(Anı	nulus / Tubing)		Carbon Diox	ide		% Nitrog		Gas Gra	avity - G _a
Annulus					<1%				<1%			
Vertical D 1722'	epth(H)				Pres	sure Taps				(Meter F	Run) (Prover) Size
Pressure	Buildup):	Shut in02/2	22	11 at 4	:00pm	(AM) (PM)	Taken_02	2/23	20 .	11 at 4:05	(AM) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-	n_24 Hours
Static / Dynamic Property	Orific Size (inche	,	Circle one: Meter Prover Pressu		Flowing Temperature t	Well Head Temperature	Cas Wellhead (P _w) or (P	Pressure	Wellhe	ubing ad Pressure (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In			psig (Pm)	Inches H ₂ 0			psig 90	psia	psig	psia		
Flow												
						FLOW STE	REAM ATTR	BUTES	1			
Plate Coeffiec (F _b) (F Mcfd	ient _p)	Pro	Circle one: Meter or over Pressure psia	Press Extension P _m xh	Grav Fac F _e	tor	Flowing Temperature Factor F _{f1}	Fa	iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fer Barrel)	Flowing Fluid Gravity G _m
		-	•									
	,				(OPEN FL	OW) (DELIV	/ERABILITY	CALCUL	ATIONS		(P)²	= 0.207
(P _c) ² =		_:	(P _w) ² =	· · ·	P _d =		% (P	' _c - 14.4) +	14.4 =		(P _d) ²	
(P _c) ² - (I or (P _c) ² - (I		(F	P _c) ² - (P _w) ²	Choose formula 1 or $t = 1$. $P_c^2 - P_a^2$. 2. $P_c^2 - P_d^2$ fivided by: $P_c^2 - P_g$	LOG of formula 1, or 2. and divide	P _c ² - P _w ²	Slop Ass	ssure Curve ne = "n" or signed ard Slope	nxt	og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
											4.4.0.4.0.	
Open Flo	w			Mcfd @ 14	.65 psia		Deliverab	ility			/lcfd @ 14.65 psi	a
			•	behalf of the	, ,		•		o make th day of <u>Ju</u>	•	t and that he ha	s knowledge of
			,		431130			a.	M	gh		
			Witness (if	any)						For Co	ompany	RECEIVED
			For Commi	ssion						Check	ked by	AUG 0 2 2011

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to reques								
exempts	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									
	ment installation and/or upon type of completion or upon use being made of the gas well herein named								
	reby request a one-year exemption from open flow testing for the Brunswig 7-12-3								
as well	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								
I furt	ther agree to supply to the best of my ability any and all supporting documents deemed by Commiss								
taff as r	necessary to corroborate this claim for exemption from testing.								
late: 07	7/27/2011								
uto	·								
	a.								
	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.

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