KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruc	tions on Re	verse Side)					
Op	en Flo	w			Test Date	ν.			ADI	No. 15				
✓ De	liverab	ilty			01/24/20				023	No. 15 3-21095 <mark>~</mark>	~ 000C)		
Company Petroleum Development Corp						Lease Rice						Well Number		
County			Locat NENE	ion	Section 34	· · · · · · · · · · · · · · · · · · ·	TWP 3S		RNG (E/	W)		Acres Attributed		
Field		 k			Reservoir Niobrai					hering Conne	ection			
Cherry Creek Completion Date					Plug Back Total Depth			PDC Stones Throw Gathering Packer Set at						
12/02/2	800				1667'				n/a					
Casing Si 4.5"	ize		Weigh 10.5#		Internal [4"	Diameter	Set a 1690		Perto: 1510	rations O'	то 1522'			
Tubing Si N/A	ize		Weigh N/A	nt	Internal E N/A	Diameter	Set a	at	Perfo	rations	То			
Type Con N2 Frac		n (De	escribe)		Type Flui Brine \	d Production	n		Pump Ur No	nit or Traveling	Plunger? Yes	/ No		
		(Anı	nulus / Tubin	g)	% C	Carbon Dioxi	ide		% Nitrog	en	Gas Gr	avity - G ₀		
Casing					<1%	<1%			<1%					
Vertical D	epth(F	1)				Pres	sure Taps				(Meter F	Run) (Prover) Size		
Pressure	Buildu	p:	Shut in 01/	24	20 11 at 1	:00pm	(AM) (PM)	Taken_01	/25	20	11 at 1:05pn	n (AM) (PM)		
Well on L	ine:		Started	:	20 at		(AM) (PM)	Taken		20	at	(AM) (PM)		
						OBSERVE	D SURFACI	E DATA			Duration of Shut-			
Static /	Orifi	CO	Circle one: Meter	Pressure Differential	Flowing	Well Head	Cas	-		ubing	Duration	Liquid Produced		
Dynamic Property	Siz (inch		Prover Press		Temperature t	Temperature t	Wellhead (P _w) or (P			ad Pressure (P ₁) or (P _e)	(Hours)	(Barrels)		
Shut-In	(psig (Pm)	Inches H ₂ 0	-	,	pstg 70	psia	psig	psia		-		
Flow							10					-		
Li	_					FLOW STR	REAM ATTR	IBUTES						
Plate			Circle one:	Press			Flowing	T				Flowing		
Coeffiecient		_	Meter or	Extension	Grav Fac	· -	Temperature	1 -	Deviation Metered Flow Factor R		v GOR (Cubic Fe	et/ Fluid		
(F _b) (F _p) Pi		Pro	over Pressure psia	√ P _m xh	F,		Factor F₁₁	F _{p*}		(Mcfd)	Barrel)	Gravity G_		
			<u>.</u>		<u> </u>	-				 				
L	1			<u> </u>	(OPEN FL	OW) (DELIV	ERABILITY	CALCUL	ATIONS			²= 0.207		
(P _c) ² =		_:	(P _w) ² =	<u> </u>	P _d =		% (F	· ² - 14.4) +	14.4 =	:	(P _d) ⁽			
(P _e)²- (F	5)2 -	Œ	2 ₀)2- (P _w)2	1. Pc2 - Pc2	2: LOG of			ssure Curve		ΓÌ		Open Flow		
or	•	٠,	د, ۱۰۳)	2. P²-P²	formula 1. or 2.			oe = "n" - or	nxl	.0G	Antilog	Deliverability Equals R x Antilog		
(P _e) ² - (F	² 0)2			divided by: P.2 - P.	and divide	P _c ² -P _w ²		signed ard Stope				(Mcfd)		
					· · · · · ·									
Open Flor	w			Mcfd @ 14	.65 psia		Deliverab	ility			Mcfd @ 14.65 psi	a		
The t	unders	igned	d authority, o	n behalf of the	Сотрапу, з	states that h	ne is duly au	ithorized to	make th	e above repo	rt and that he ha	s knowledge of		
the facts s	tated tl	herei	in, and that s	aid report is tru	e and correc	t. Executed	this the 14	4	day of <u>J</u> I	uly		, 20 2011		
			.				_	Qu	J/L	ale				
			Witness (if any)						For (Company RE	CEIVED		
			For Comm	nission						Chec	AU(3 0 2 2011		

	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request of status under Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corp
and th	at the foregoing pressure information and statements contained on this application form are true and
of equ	it to the best of my knowledge and belief based upon available production summaries and lease records ipment installation and/or upon type of completion or upon use being made of the gas well herein named.
	ell 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
l f	urther agree to supply to the best of my ability any and all supporting documents deemed by Commissic
staff a	s necessary to corroborate this claim for exemption from testing.
Date:	07/14/2011
	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