KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	: en Flo liverat		ØSI			Test Date	9:	truc	tions on Re	everse Si	ide)		No. 15	~			
Company						2/4/2009	9		Lease			18	I-20336-00 ·	. 00		Well N	umber
Rosewo		esou	rces						Duell						1-10		
County Shermar	า		Loc NENI	ation E		Section 10			TWP 7S			RNG (E 39W	(W)			Acres 80	Attributed
Field	.1					Reservoir							hering Conn				
Goodlan	***************************************					Niobrara Plug Bac)en	th			Branch Packer S	Systems In	C. ———			
10-22-20		ıc				1197"	K TOTAL L	Jep	u i			acker	Jet at				
Casing Si 4 1/2"	ize		Wei 10.			Internal E 4.052	Diameter		Set 120			Perfo 980	rations		то 1010'		
Tubing Si	ze		Wei			Internal C	Diameter		Set				rations		То		
Type Con Single (Type Flui		ctio	n			oump Ui	nit or Traveling	Plun	ger? Yes	/ (()	
Producing Annulus	•	(An	nulus / Tub	ing)	-	% C	arbon D	ioxi	de		9	% Nitrog	en		Gas Gi	ravity -	G _g
Vertical D 1010'	epth(H	H)						res an	sure Taps ge						(Meter 2"	Run) (f	Prover) Size
Pressure	Buildu	ıp:	Shut in _2·	-3	2	09 at 3	:00		(AM)	Taken	2-4		20	09	at_3:15		(AM) (PM)
Well on L			Started 2-	4		09 at 3			(AM) PM)	Taken _	2-5				at 4:00		(AM) (PM)
			,				OBSEF	RVE	D SURFAC	E DATA				Durat	tion of Shut-	-in72	Hours
Static / Dynamic Property	ynamic Size Meter Differential Tem					Flowing Temperature t	Well He Temperal		Wellhead (P _w) or (F			Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)			Duration Liquid Produ (Hours) (Barrels)		
Shut-In			poig (i ii	,	Inches 1120				psig 11	25.4	+	psig	psia				
Flow									14	28.4				72		0	
							FLOW S	STR	EAM ATTR	IBUTES		·····					- -
Coeffieci	Plate Coeffiecient $(F_b) (F_p)$ Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Gravity Factor F _g		1	Flowing Femperature Factor	ture Deviati		tor R		v	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
													8				
			***************************************			(OPEN FLO	OW) (DE	LIV	ERABILITY) CALCU	JLA	TIONS			(P.)	² = 0.2	207
(P _c) ² =		_:	(P _w) ²	_	:	P _d =		9	% (F	P _c - 14.4)	+ 1	4.4 =	:		(P _d)		
(P _c) ² - (F or (P _c) ² - (F	P _d) ²	(F	P _c) ² - (P _w) ²	:	ose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ led by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:	P _c ² - P _w	2	Slo	essure Cur pe = "n" - or signed lard Slope		n x l	LOG [Antilog	De	pen Flow liverability s R x Antilog (Mcfd)
Open Flow	<u> </u>			<u> </u>	Mcfd @ 14.	65 psia			Deliverat	oility		<u> </u>		Mcfd •	@ 14.65 ps	ia	
			-			Company, s			e is duly a	uthorized			e above repo	rt and	I that he ha		vledge of 20
			Witnes	s (if any	y)			_	-		0	m	Cel / For	ompany	eX/L		RECEI
			For Cor	nmissic	on			-	-				Chec	ked by			" VECEI

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(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 further agree to supply to the best of my ability any and all supporting documents deemed by Commiss staff as necessary to corroborate this claim for exemption from testing. Date: 11/17/09		
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		
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Signature: W Coefficients of the state of the stat	\checkmark	is not capable of producing at a daily rate in excess of 250 mcf/D
Date: 11/17/09 Signature: Jan W Roelb	I further agree	to supply to the best of my ability any and all supporting documents deemed by Commission
Signature: Jan W Roels	staff as necessary	to corroborate this claim for exemption from testing.
Signature: Jan W Roels		
	Date: 11/17/09	
Title: Production Foreman		Signature: Jan W Roels
Tiue.		Title: Production Foreman

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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W397 Duell 1-10 North Goodland Goodland None February-09

	Casing	•		HR	ls.	REMARKS
DATE	PSI	STATIC	MCF	DC	OWN	(Maximum length 110 characters)
2/1/2009	1	1 2	4	8	0	,
2/2/2009	1	1 2	4	8	0	
2/3/2009	1	6 2	9	4	12	
2/4/2009	1	6 2	9	0	24	
2/5/2009	1	6 2	9	0	24	
2/6/2009	1	6 2	9	0	24	
2/7/2009	1	6 2	9	0	10	bp
2/8/2009	1	4 2	7	3	0	
2/9/2009	1	4 2	7	8	0	
2/10/2009	1	4 2	7	7	5	
2/11/2009	1	4 2	7	7	2	
2/12/2009	1	4 2	7	7	0	
2/13/2009	1	2 2	5	7	0	
2/14/2009	1	2 2	5	7	0	
2/15/2009	1	2 2	5	7	0	
2/16/2009	1	2 2	5	7	0	
2/17/2009	1	2 2	5	7	0	
2/18/2009	1	3 2	6	7	0	bp
2/19/2009	1	3 2	6	7	0	
2/20/2009	1	2 2	5	7	0	
2/21/2009	1	2 2	5	7	0	
2/22/2009	1	2 2	5	8	0	
2/23/2009	1	2 2	5	8	0	
2/24/2009	1	2 2	5	7	0	
2/25/2009	1	2 2	5	7	0	
2/26/2009	1	2 2	5	8	0	
2/27/2009	1	2 2	5	8	6	
2/28/2009	1	2 2	5	6	6	
3/1/2009					0	
3/2/2009					0	
3/3/2009					0	

Total 167

W397 Duell 1-10 North Goodland Goodland None March-09

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
3/1/2009	15	5 28		2	0	
3/2/2009	15	5 28		4	0	
3/3/2009	15	5 28		4	0	
3/4/2009	14	27		5	0	
3/5/2009	14	27		8	0	bp
3/6/2009	14	27		8	0	
3/7/2009	14	27		8	0	
3/8/2009	14	27		8	0	
3/9/2009	14	27		8	0	
3/10/2009	14	27		8	0	
3/11/2009	14	27		8	0	
3/12/2009	14	27		8	0	
3/13/2009	12	25		8	0	
3/14/2009	12	25		8	0	
3/15/2009	12	25		8	0	
3/16/2009	12	25		8	0	
3/17/2009	12	25		8	0	
3/18/2009	12	25		8	0	
3/19/2009	12	25		8	0	
3/20/2009	12	25		8	0	
3/21/2009	12	25		8	0	
3/22/2009	12	25		8	0	
3/23/2009	12	25		8	0	
3/24/2009	11	24		8	0	
3/25/2009	11	24		8	0	
3/26/2009	11	24		8	0	
3/27/2009	11	24		8	0	
3/28/2009	11	24		8	0	
3/29/2009	11	24		8	0	
3/30/2009	11	24		8	0	
3/31/2009	11	24		8	0	

Total 231

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