KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:	M C.	7			(See Instruc	tions on R	everse Sid	θ)					
	en Flov		_		Test Dat					No. 15	_			
	eliverabi	ıty			7/28/20	009			023	-20610-00 {	∞			
Company Rosewo		sources, Ir	ıc.				Lease Zimbe	lman				1-18	Well Nu	mber
County Location Cheyenne SW SW/4					Section 18					W)		Acres A	Attributed	
Field Cherry (Creek				Reservoi Niobrar					nering Conn Systems In				
7/1/2005)			Plug Bad 1440'	ck Total Dep	th		Packer S	et at				
Casing S 4 1/2"			Veight 0.5#		Internal 4.052	Diameter	Set 144		Perfor 1248	rations 3'		To 1282'		•
Tubing S NONE	ize	٧	Veight		Internal	Diameter	Set	at	Perfor	ations		To 🕿		
		(Describe) entional)			Type Flu Dry Ga	id Productio as	n			it or Traveling ng Unit	g Plunger	? (Yes)	/ No	
	-	(Annulus / 1	Tubing)		% (Carbon Dioxi	ide	*	% Nitroge	en			avity - C	i _g
Annulus Vertical D						Pres	sure Taps					.6	Run) (Pr	over) Size
1282'						Flan	•					2"	rian) (i i	07017 0120
Pressure	Buildup	: Shut in	7-27	2	0 09 at 8	:40	(AM) (PM)	Taken_7-	28	20	09 at	8:55	(AM)(PM)
Well on L	ine:	Started	7-28	2	o_09 at_8	:55	(AM) (PM)	Taken 7-	29	20	<u>09</u> at	9:40	(AM) (PM)
		11.51.00.00		1.0.0		OBSERVE	D SURFAC	E DATA			Duration	of Shut-	in 24	Hours
Static / Dynamic	Orifice Size	I Ma	ter	Pressure Differential in	Flowing Temperature	Well Head Temperature	Wellhead	sing d Pressure	Wellhea	ubing d Pressure		ation urs)		I Produced
Property	(inche	s) psig		Inches H ₂ 0	t	t	psig	P ₁) or (P _c) psia	(P _w) or psig	(P _t) or (P _c) psia	(HO	urs)	(6	larrels)
Shut-In							50	64.4						
Flow							133	147.4			24		0	
			-			FLOW STR	EAM ATT	RIBUTES					 -1	
Plate Coeffieci (F _b) (F Mcfd	ient ,)	Circle one: Meter or Prover Press psia	ure	Press Extension P _m x h	Grav Fact	tor 1	Flowing Femperature Factor F ₁₁	Fa	iation ctor	Metered Flow R (Mcfd)	1	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m
										46				
/D \2 _		. (5	. 12			OW) (DELIV		•					= 0.20)7
(P _c) ² =	T			ose formula 1 or 2:	P _d =	<u>`</u>	1	P _c - 14.4) +	14.4 =	:		(P _d) ²		_
or	$(P_c)^2 - (P_a)^2$ $(P_c)^2 - (P_w)^2$ 1 or $(P_c)^2 - (P_d)^2$ 2.		1. P _c ² - P _a ² 2. P _c ² - P _c ² led by: P _c ² - P _c ²	LOG of formula 1. or 2. and divide by: LOG of formula 1. or 2.		Backpressure Curve Slope = "n"or Assigned Standard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
						<u> </u>								
Open Flov	v			Mcfd @ 14.6	65 psia		Deliverat	oility			Mcfd @ 1	4.65 psi	a	
				ehalf of the report is true						above repo	rt and th	at he ha		edge of 09
		Witi	ness (if any	·)	<u> </u>		-		am	Ford	company	elf2	ZKE	CEIVED
		For	Commissio	ın			-			Chec	ked by		NOV	3 0 20 0

exempt status under Rul and that the foregoing p correct to the best of my of equipment installation	alty of perjury under the laws of the state of Kansas that I am authorized to request e K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. pressure information and statements contained on this application form are true and knowledge and belief based upon available production summaries and lease records and/or upon type of completion or upon use being made of the gas well herein named. The present exemption from open flow testing for the Zimbelman 1-18 that said well:
is cycle is a second is a second is on is not list of the second is n	oalbed methane producer cled on plunger lift due to water ource of natural gas for injection into an oil reservoir undergoing ER vacuum at the present time; KCC approval Docket No capable of producing at a daily rate in excess of 250 mcf/D pply to the best of my ability any and all supporting documents deemed by Commission rroborate this claim for exemption from testing.
Date: 11/18/09	Signature: W Moelfe 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.

NOV 3 0 2009

W379

Zimbelman 1-18

St. Francis

St. Francis

None

July-09

FloBoss

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
7/1/2009	-		55	58	9	8	0	10	
7/2/2009			55	58	9	8	0	9	
7/3/2009			55	58	9	8	0	10	
7/4/2009			55	56	9	8	0	9	
7/5/2009			55	56	9	8	0	8	
7/6/2009			56	58	9	8	0	9	
7/7/2009			60	58	9	8	0	10	
7/8/2009			132	55	9	8	6	11	
7/9/2009			73	34	9	8	0	10	
7/10/2009			50	55	9	8	0	9	
7/11/2009			48	48	9	8	0	8	
7/12/2009			49	46	9	8	0	9	
7/13/2009			50	44	9	8	0	10	
7/14/2009			50	43	0	0	0	0	pump off
7/15/2009			54	42	0	0	0	0	-
7/16/2009			48	41	0	0	0	0	
7/17/2009			53	40	0	0	0	0	
7/18/2009			49	40	0	0	0	0	
7/19/2009			52	38	9	8	0	0	started pumping unit
7/20/2009			76	36	9	8	7	10	
7/21/2009			72	44	9	8	0	10	
7/22/2009			57	44	9	8	0	9	
7/23/2009			53	44	9	8	0	8	
7/24/2009			54	44	9	8	0	9	
7/25/2009			53	44	9	8	0	10	
7/26/2009			53	44	9	8	0	11	
7/27/2009			51	43	9	8	4	10	
7/28/2009		50	48	45	9	8	0	9	shut in for test
7/29/2009		133	61	3	9	8	0	8	open
7/30/2009			72	51	9	8	0	9	-
7/31/2009			59	54	9	8	0	10	bucket test 6 min

Total 1424

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W379

Zimbelman 1-18

St. Francis

St. Francis

None

August-09

FloBoss

	Tubing	Casing					HRS	Wat	er	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	N BBI	.s	(Maximum length 110 characters)
8/1/2009			56		51	9	8	0	10	
8/2/2009			54	:	51	9	8	0	11	
8/3/2009			63	;	50	9	8	0	12	
8/4/2009			52	;	50	9	8	0	11	
8/5/2009			53	:	50	9	8	0	10	
8/6/2009			54		50	9	8	0	11	
8/7/2009			53		19	9	8	0	12	
8/8/2009			52	4	19	9	8	0	11	
8/9/2009			52	4	19	9	8	0	10	
8/10/2009			52	4	19	0	0	0	0	PU OFF
8/11/2009			48	4	18	0	0	0	0	
8/12/2009			47	4	19	0	0	0	0	
8/13/2009			46	4	18	0	0	0	0	
8/14/2009			48	4	19	0	0	0	0	
8/15/2009			49	4	19	0	0	0	0	
8/16/2009			47	4	19	0	0	0	0	
8/17/2009			124	4	14	0	0	0	0	
8/18/2009			125	4	12	0	0	0	0	
8/19/2009			125	4	10	0	0	0	0	
8/20/2009			48	4	1	9	8	0	0	started pump
8/21/2009			50	4	11	9	8	0	10	•
8/22/2009			91	4	11	9	8	0	11	
8/23/2009			91	4	11	9	8	0	12	
8/24/2009			91	4	11	9	8	0	11	
8/25/2009			91	4	11	9	8	0	10	
8/26/2009			91	4	16	9	8	0	11	
8/27/2009			51		15	9	8	0	12	
8/28/2009			51		15	9	8	0	11	
8/29/2009			52		15	9	8	0	10	
8/30/2009			71		5	9	8	0	11	
8/31/2009			52		6	9	8	0	12	

Total 1434

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NOV 3 0 2009
KCC WICHITA

W379

Zimbelman 1-18

St. Francis

St. Francis

None

September-09

FloBoss

	Tubing	Casing					HRS	Water
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS
9/1/2009			50	1 .	46			0
9/2/2009			55		46			0
9/3/2009			31		46			0
9/4/2009			38		46			6
9/5/2009			53		46		+	0
9/6/2009			53		46		(0
9/7/2009			54		46		(0
9/8/2009			53		46		(0
9/9/2009			56		46		(0
9/10/2009			52		46		(0
9/11/2009			50		46		4	0
9/12/2009			49	4	46		()
9/13/2009			56		46		()
9/14/2009			85	4	46		()
9/15/2009			50	4	46		()
9/16/2009			42	4	46		()
9/17/2009			47	4	1 6		()
9/18/2009			46	4	16		()
9/19/2009			46	4	1 6		()
9/20/2009			48	4	1 6		()
9/21/2009			45	4	16		()
9/22/2009			45	4	16		()
9/23/2009			45	4	16		()
9/24/2009			46	1	19		()
9/25/2009			72	2	25		(5
9/26/2009			100	5	51		()
9/27/2009			84	4	15		()
9/28/2009			75	4	16		()
9/29/2009			52	4	16		()
9/30/2009			104	3	32		8	}
10/1/2009							()

Total 1322