KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	-60 75		6	See Instruci	tions on Rev	erse Side))					
□ Ор	en Flow	AST		Tost Date	Test Date:			API No. 15					
	liverabilty		6/22/14				API No. 15 023-21255-00 00						
Company	/ od Reso	ources, Inc.	_			Lease Zweyga	rdt			13-19	Well Number		
County Location Cheyenne NWSW			Section 19				RNG (E/W) 40W			Acres Attributed 80	i		
Field Cherry C	Creek				Reservoir Niobrara				Gas Gathering Connection Branch Systems Inc.				
Completic 11/12/10		- <u>-</u>		Plug Bac 1500'	k Total Dep	th		Packer \$	Set at				
Casing S 4 1/2"	ize	Weight 10.5#		Internal D 6.366	Internal Diameter Set at 6.366 1500'			Perfo	orations 4'	то 1364'			
Tubing Si NONE	ize	Weight		Internal D	Internal Diameter Set at			Perfo	orations	То			
Type Con Single (Describe) ntional)		Type Flui Dry Ga	d Production	n		Pump Ui	nit or Traveling g	Plunger? Yes	(No)		
Producing		nnulus / Tubing)	% C	% Carbon Dioxide				jen	Gas Gr .6	avity - G	_	
Vertical D	Pepth(H)			_	Pressure Taps Flange					(Meter I 2"	Run) (Prover) Si	ze	
Pressure	Buildup:				14 at 5:10 (AM) (PM) Taken 6-						(AM (PM	<u>)</u>	
Well on L	ine:	Started 6-22	22	0 14 at 5	25	(AM) (PM)	Taken 6-	23	20	14 at 5:40	(AMX(PM	<u></u>	
					OBSERVE	D SURFACE	<u>D</u> ATA			Duration of Shut-	in_360Ho	ours	
Static / Dynamic Property	Static / Orifice Meter Differ Prover Pressure			Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing ead Pressure or (P ₁) or (P _c)	Duration (Hours)	Liquid Produce (Barrels)	ıd	
Shut-In		psig (Pm)	Inches H ₂ 0			psig 222	236.4	psig	psia			_	
Flow						64	78.4			360		\Box	
	_			<u> </u>	FLOW STR	REAM ATTR	IBUTES		<u> </u>		<u> </u>	_	
Coefficient Meter or Ext		Press Extension ✓ P _m x h	Grav Fact	tor	Flowing Temperature Factor F ₁₁	Deviation Factor		Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)	Gravit	Ĭ		
			-						10	_			
(D)		- <u>-</u>		•		/ERABILITY			<u> </u>		²= 0.207		
(P _c) ² ≈			Choose formula 1 or 2	P _d =			14.4) +			(P _d)		\neg	
$(P_c)^2 - (P_a)^2$ $(P_c)^2 - (P_w)^2$ 1. $P_c^2 - (P_c)^2 - (P_c)^2$ 2. $P_c^2 - (P_c)^2$		1. P _c ² -P _a ² 2. P _c ² -P _d ²	LOG of formula 1. or 2. and divide	formula 1. or 2.		Backpressure Curve Slope = "n" or Assigned		LOG	Antilog	Open Flow Deliverability Equals R x Anti (Mcfd)			
	_		divided by: P _c - P _w	2 <u>by:</u>	<u> </u>	Stand	ard Slope	 			700.07	\dashv	
Open Flo	w		Mcfd @ 14.	.65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia		
	_	•							he above repo December	ort and that he ha	as knowledge of	:	
the facts s	tated the	rein, and that sa	id report is tru		Receive	ed			inul	-Mast	,20 <u>-~_</u> _	- ·	
	_	Witness (i	any)			осомміваю <u>м</u> 2015 —		M	For	Company Company	ruy_		
		For Comm	ission		CEDVATION I				Che	cked by		_	

CONSERVATION DIVISION WICHITA, KS

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. 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 theZweygardt 13-19 gas 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 further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date: 12/12/14
Received KANSAS CORPORATION COMMISSION FEB 2 5 2015 Title: Production Assistant CONSERVATION DIVISION WICHITA, KS

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.

W2731

Zweygardt 13-19

St. Francis

St, Francis

Flow

June-184

FloBoss

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
6/1/20134	66			0	
6/2/201	71			0	
6/3/201 β	64			0	
6/4/201 B	80		11	0	
6/5/201	62			0	
6/6/201	63			0	
6/7/201	176				
6/8/2013	189				
6/9/201	201	214			
6/10/201 3	213				
6/11/201	222				
6/12/2013	227				
6/13/201	229				
6/14/2013	230	243	0		
6/15/201	230	243	0		
6/16/2013	231	244	0		
6/17/2013	231	244			
6/18/2013	231	244	0		
6/19/2013	226	239	0		
6/20/2013	223	236	0		
6/21/2013	222	235	0	24	
6/22/2013	222	235	0		
6/23/2013	141	154	15	5	
6/24/2013	121	134	18	0	
6/25/2013	114	127	14	0	
6/26/2013	102	115	14	0	
6/27/2013	96				
6/28/2013	75				
6/29/2013	67	80			
6/30/201	68	81	12		
7/1/2013				_ 0	

Total 185

Received KANSAS CORPORATION COMMISSION

FEB 2 5 2015

CONSERVATION DIVISION WICHITA, KS

W2731

Zweygardt 13-19

St. Francis

St. Francis

Flow

July-14

FloBoss

	Casing			HRS	REMARKS
DATE	PSI	STATIC		DOWN	(Maximum length 110 characters)
7/1/2014	68		12	0	
7/2/2014	67		12	0	
7/3/2014	68		11	0	
7/4/2014	68	81	11	0	
7/5/2014	68	81	11	0	
7/6/2014	68	81	11	0	
7/7/2014	77	90	11	0	
7/8/2014	68		11	0	
7/9/2014	69	82	11	0	
7/10/2014	70		11	0	
7/11/2014	73		11	0	
7/12/2014	71		11	0	
7/13/2014	72		10	0	
7/14/2014	73	86	10	0	
7/15/2014	64	77	11	0	
7/16/2014	66	79	11	0	
7/17/2014	66	79	11	0	
7/18/2014	67	80	11	0	
7/19/2014	64	77	11	0	
7/20/2014	65	78	11	0	
7/21/2014	144	157	11	0	
7/22/2014	146	159	3	22	
7/23/2014	90	103	13	7	
7/24/2014	61	74	11	3	
7/25/2014	64		11	4	
7/26/2014	62		11	0	
7/27/2014	63		10	0	
7/28/2014	63		10	0	
7/29/2014	64	77	10	0	
7/30/2014	64		10	0	
7/31/2014	69	. 82	10	0	<u>_</u>

Total 330

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FEB 2 5 2015

W2731

Zweygardt 13-19

St. Francis

St. Francis

Flow

August-14

FloBoss

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
8/1/2014	64		10	0	
8/2/2014	63		10	0	
8/3/2014	63		10	0	
8/4/2014	63		10	0	
8/5/2014	64	77	10	0	
8/6/2014	65	78	10	0	
8/7/2014	65	78	9	0	
8/8/2014	66	79	9	0	
8/9/2014	67		9	0	
8/10/2014	68		9	0	
8/11/2014	75		9	0	
8/12/2014	63		9	0	
8/13/2014	64		9	0	
8/14/2014	63	76	9	0	
8/15/2014	69	83	9	3	
8/16/2014	67	80	9	0	
8/17/2014	69	82	9	0	
8/18/2014	67	80	9	0	
8/19/2014	74	87	9	2	
8/20/2014	66	79	9	0	
8/21/2014	65	78	9	0	
8/22/2014	78		9	0	
8/23/2014	62		9	0	
8/24/2014	64		9	0	
8/25/2014	82		9	0	
8/26/2014	64		9	0	
8/27/2014	75		9	0	
8/28/2014	96		9	0	
8/29/2014	62		9	5	
8/30/2014	61	74	9	0	
8/31/2014	72	85	9	0	

Total 285

Received KANSAS CORPORATION COMMISSION

FEB 2 5 2015