KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	16		(See Instruct	tions on Rev	erse Side))				
☐ Op	en Flow	RSI		~				4.51	No. 45			
Deliverabilty				Test Date: 6/22/14					API No. 15 023-21257-00 00			
Company		ources, Inc.		UILET 14		Lease Zweygai	rdt				Well Nu	ımber
			Section 19	Section TWP			RNG (E/W) 40W			Acres Attributed 80		
Field Cherry C	Creek				Reservoir Niobrara				hering Conne Systems Inc			
Completion 11/11/10			- -	Plug Back Total Depth 1475'				Packer S	Set at			
Casing S 4 1/2"	ize	Weigh 10.5#		Internal I 6.366	Internal Diameter Set at 6.366 1513'			Perforations 1296'		то 1326'		
Tubing Si	ize	Weigh	t	Internal I	Internal Diameter Set at			Perforations		То		
		(Describe) entional)		Type Flui Dry Ga	d Production	n		Pump Ur flowing	nit or Traveling		(No)	
Producing		Annulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	en	Gas Gr .6	avity - (3,
Vertical D 1525'	Pepth(H)				Pres Flan	sure Taps ge				(Meter 2"	Run) (P	rover) Size
Pressure	Buildup				at 5:00 (AM) (PM) Taken 6-					14 _{at} 5:15		(AM(PM)
Well on L	ine:	Started 6-2	2 20	14 at 5	:15	(AM) (PM)	Taken 6-	23	20	14 _{at} 5:30	((AM)(PM)
					OBSERVE	D SURFACE	DATA			Duration of Shut-	in_360	OHours
Static / Dynamic Property	Oynamic Size Prover Pressure in		Flowing Well Head Temperature t Temperature		Pressure	(P _c) (P _w) or (P _t) or (P _c)		Duration (Hours)		d Produced Barrels)		
Shut-In						230	psia 244.4	psig	рыа			
Flow						80	94.4			360		
- -	 -				FLOW STE	REAM ATTRI	IBUTES				_	
Plate Coeffiec (F _b) (F Mcfd	ient ,)	Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m xh	Grav Fac F,	tor	Flowing Temperature Factor F _{f1}	Fa	riation actor - pv	Metered Flov R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
_		_				-			32			<u> </u>
				(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P.)	²= 0.2	.07
(P°)5 =		: (P _w) ² =	:	P _d =		% (P	· 14.4) +	14.4 = _	:	(P _d)		
(P _o) ² - (I		(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _o ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _a ²	LOG of formula 1. or 2. and divide	P _c ² · P _w ²	Slop	ssure Curve 00 = "n" 00 signed ard Slope	n x	rog	Antilog	Del	oen Flow liverability s R x Antilog (Mcfd)
Ono- 5'-			Motel @ 44	65 neis		Deliverab	 ilibu			 Mcfd @ 14.65 ps	ia	
Open Flo			Mcfd @ 14.									dodge of
	_	ned authority, o							ecember	rt and that he ha	as know	20 <u>14</u> .
		115	if much		Rece	eived TION COMMISS	SION	Da	esvel	MOU Company	tue	y _
		Witness (- uny/	KANS								
		For Comm	nission		FFB 2	5 2015			Che	cked by		

		nder the laws of the state of Kansas that I am authorized to request 04 on behalf of the operator Rosewood Resources, Inc.
		ation 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 instal	lation and/or upon typ	e of completion or upon use being made of the gas well herein named.
I hereby reques	st a one-year exemption	on from open flow testing for the Zweygardt 22-19
	unds that said well:	
(Check o	-	
	is a coalbed methane	•
	is cycled on plunger l	
		gas for injection into an oil reservoir undergoing ER
	•	resent time; KCC approval Docket No
\checkmark	is not capable of prod	ducing at a daily rate in excess of 250 mcf/D
_	-	of my ability any and all supporting documents deemed by Commission aim for exemption from testing.
Date: _12/12/14		
	Received ORPORATION COMMISSION	Signature: Jawell Mouturey Title: Production Assistant

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.

W2739 Zweygardt 22 199

St. Francis

St. Francis

Flow

June-184

FloBoss

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
6/1/20134	83			0	
6/2/2011	89			0	
6/3/201 β	84			0	
6/4/2013	96			0	
6/5/201 B	79			0	
6/6/201B	80			0	
6/7/2018	175			9	
6/8/201	188		0	24	
6/9/2013	201			24	
6/10/2018	213			24	
6/11/2018	222			24	
6/12/2013	227			24	
6/13/2013	228		0	24	
6/14/2013	230	243	0	24	
6/15/2013	230			24	
6/16/2013	231	244	0	24	
6/17/2013	231	244	0	24	
6/18/2013	230	243	0	24	
6/19/2013	226	239	0	24	
6/20/2013	223	236	0	24	
6/21/2013	221		0	24	
6/22/2013	221	234	0	24	
6/23/201	151	164	38	5	
6/24/2013	146	159	53	0	
6/25/2013	138	151	53	0	
6/26/2013	119	132	48	0	
6/27/2013	113	126	48	0	
6/28/2013	94	107	42	0	
6/29/2013	89	102	39	0	
6/30/2013	90	103	38	0	
7/1/2013				0	

587 Total

Received KANSAS CORPORATION COMMISSION

FEB 2 5 2015

CONSERVATION DIVISION WICHITA, KS

W2739

Zweygardt 22-19

St. Francis

St. Francis

Flow

July-14

FloBoss

FIOBOSS					
	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
7/1/2014	87	100	38	0	· · · · · · · · · · · · · · · · · · ·
7/2/2014	87	100	37	0	
7/3/2014	87			0	
7/4/2014	87	100	36	0	
7/5/2014	87	100	36	0	
7/6/2014	87	100	35	0	
7/7/2014	96	109	34	0	
7/8/2014	86	99	36	0	
7/9/2014	87	100	35	0	
7/10/2014	87	100	35	0	
7/11/2014	91	104	35	0	
7/12/2014	87	100	35	0	
7/13/2014	87	100	34	0	
7/14/2014	88	101	34	0	
7/15/2014	80	93	34	0	
7/16/2014	82	95	34	0	
7/17/2014	83	96	34	0	
7/18/2014	83	96	33	0	
7/19/2014	81	94	33	0	
7/20/2014	82	95	33	0	
7/21/2014	143	156	33	0	
7/22/2014	151	164	8	22	
7/23/2014	106	119	33	7	
7/24/2014	79	92	36	3	
7/25/2014	81	94	33	4	
7/26/2014	79	92	33	0	
7/27/2014	80			0	
7/28/2014	79	92			
7/29/2014	81	94	32	0	
7/30/2014	80	93	32	0	
7/31/2014	83	96	32	0	

Total 1034

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CONSERVATION DIVISION WICHITA, KS

W2739

Zweygardt 22-19

St. Francis

St. Francis

Flow

August-14

FloBoss

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN _	(Maximum length 110 characters)
8/1/2014	80		32	0	
8/2/2014	79	92	32	0	
8/3/2014	79	92	32	0	
8/4/2014	79	92	32	0	
8/5/2014	79				
8/6/2014	80	93	31	0	
8/7/2014	80			0	
8/8/2014	94		31		
8/9/2014	82	95	32	0	
8/10/2014	82				
8/11/2014	86				
8/12/2014	78		31		
8/13/2014	79				
8/14/2014	78	91	31	0	
8/15/2014	84	97	31	3	
8/16/2014	81	94	31	0	
8/17/2014	82	95	31	0	
8/18/2014	81	94	31	0	
8/19/2014	86	99	31	2	
8/20/2014	81	94	31	0	
8/21/2014	79	92	31	0	
8/22/2014	85	98	31	0	
8/23/2014	76	89	31	0	
8/24/2014	77	90	30	0	
8/25/2014	91	104	30	0	
8/26/2014	78	91	30	0	
8/27/2014	84	97	30	0	
8/28/2014	97	110	30	0	
8/29/2014	76	89	29	5	
8/30/2014	75	88	29	0	
8/31/2014	83	96	29	0	

Total 956

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