## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(	See Instruct	tions on Rev	erse Side	)			
Open Flow				Test Date	Test Date:				API No. 15			
De	eliverab	ilty				per 21 & 22	2, 2013		075	5-20200 <b>- 0</b> 6	000	
Company Glenwoo		sour	ces Inc				Lease Fairchild	1			1	Well Number
County Location Hamilton SESENW				Section 30				RNG (E 39	(W)	Acres Attributed 640		
Field Bradsha	ıw				Reservoir Winfield				-	thering Conni athering	ection	
Completion 9/78	on Dat	e		·	Plug Bac 2594	k Total Dept	th	_	Packer S			
Casing Size 4.5			Weight 10.5		Internal Diameter 4.052		Set at <b>2630</b>		Perforations 2565		то 2570	
Tubing Size 2.375			Weigh 4.7	Weight 4.7		Internal Diameter 1.995		Set at 2630		rations	То	
Type Cor single	mpletio	n (De	escribe)		Type Flui format	d Production	n		Pump Ui Pump		Plunger? Yes	/ No
Producing Thru (Annulus / Tubing)			g)	% Carbon Dioxide			_	% Nitrogen .		, g		
Casing Vertical D	South/L	33			0.019	Broo	sure Taps	<u> </u>	30.80	8	0.770	Run) (Prover) Size
2569						Flan	ge				3"	
Pressure	Buildu	<b>p</b> :	Shut in 11-	21 2	13 at 1	0:00	(AM) (PM)	Taken 11	-22	20	13 at \$1:00	2 (AM) (PM)
Well on L	.ine:	:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-i	nHours
Static / Orifice Dynamic Size Property (inches)		ө	Meter Differenti		Flowing Well Head Temperature Temperature t t		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>L</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
Shut-In			psig (Fili)	Inches H <sub>2</sub> 0			70 psig_	psia	psig	psia		
Flow												
						FLOW STR	EAM ATTRI	BUTES			i	<del> </del>
Plate Coeffied (F <sub>b</sub> ) (F Mcfd	ient ,)	Pro	Circle one: Meter or ever Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fact	tor 1	Flowing Femperature Factor F <sub>II</sub>	Fa	ation ctor :	Metered Flov R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G <sub>m</sub>
								<u> </u>				
(D.)2			/D \2		•		ERABILITY)				_	= 0.207
(\begin{align*}	<u> </u>	<u></u>	(P <sub>#</sub> )* =	Choose formula 1 or 2	P <sub>d</sub> =	<del></del> `		<sub>c</sub> - 14.4) + sure Curve		<u>;</u>	(P <sub>d</sub> ) <sup>2</sup>	
(P <sub>c</sub> ) <sup>2</sup> - (l or (P <sub>c</sub> ) <sup>2</sup> - (l	P <sub>a</sub> ) <sup>2</sup>	(F	°_)2- (P)2	1. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slop- Ass	e = "n" or igned ird Slope	n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
-				<u> </u>		<del></del>			<del></del>			
		•					<u> </u>			<u>_</u>		
Open Flo	w	Mcfd @ 14.65 psia Deliverability						Mcfd @ 14.65 psia				
		_	•	n behalf of the			•			· · · · · · · ·	rt and that he ha	s knowledge of
				p		Receiv	red	,	L.1-	+-1	1.4	
				f any)			ON COMMISS <u>IO.</u>	$^{n}\mathcal{U}$	M	T-M	company	
-			For Comn	ission		<u>SEP 0</u> 9	ZU17			Chec	ked by	<del></del>

CONSERVATION DIVISION WICHITA, KS

	r penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Glenwood Resources Inc
and that the forego correct to the best of of equipment instal	oing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named. St a one-year exemption from open flow testing for the Fairchild #1
gas well on the gro	unds that said well:
	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 to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessary  Date: 9-3-2014	to corroborate this claim for exemption from testing.
	Signature:   President   SEP 0-9-2014  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.