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

Type Test	t:				(	See Instruct	ions on Rev	rerse Side	)					
Op	en Flo	w			Test Date				ADI	No. 15				
<b>√</b> De	liverat	oilty			10/12/20					No. 15   <b>-</b> 20628-000	0			
Company Discover		tural	Resources	LLC			Lease Morrisor	1			6-2	Well N 29-1831	lumber	
County Scott			Location CSENW		Section 29		TWP 18S		RNG (E/W) 31W			Acres Attributed		
Field Hugoton NE Gas Area					Reservoir Krider	Reservoir Krider			Gas Gathering Connection OneOk				Orr	
Completion Date 08/22/2006					Plug Bad 2860'	k Total Dept	h	Packer Set at				Co	OCY ,	
Casing Size 5 1/2"			Weigh 15.5#		Internal Diameter 4.950"		Set at 4776'		Perforations 2766'		To 27	74'	WICHION	
Tubing Size 2 3/8"			Weigh 4.7#		Internal Diameter 1.995"		Set at 2749'		Perforations		То	<u> </u>	OCT 2 C	
Type Completion (Describe) Single (Gas)				Type Fluid Production Water				Pump Unit or Traveling Plunge No						
Producing Thru (Annulus / Tubing)				g)	% Carbon Dioxide				% Nitrogen			Gas Gravity - G		
Tubing Vertical Depth(H)					0.017	Press	sure Taps		45.72	9		0.810 (Meter Run) (Prover) Size		
4769'					Flange							eter run	2"	
Pressure	Buildu			<u>′12                                    </u>									(AM) (PM)	
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at		_ (AM) (PM)	
			l district	<del>-1</del>		OBSERVE	D SURFACE				Duration of §	Shut-in 24	4Hour	
Static / Orifice Dynamic Size Property (inches)		ze	Circle one: Meter Prover Press psig (Pm)		Flowing Temperature t	emperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Lìq	uid Produced (Barrels)	
Shut-In							215	polu	pang	Post	24	-	-	
Flow	•													
			- ′			FLOW STR	EAM ATTRI	BUTES					_	
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Extension Factor		Temperature		iation ctor : pv	Metered Flow R (Mcfd)	(Cut	GOR pic Feet/ arrel)	Flowing Fluid Gravity G <sub>m</sub>	
								1						
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	= ;	(OPEN FLO	OW) (DELIVI		CALCUL - 14.4) +		:		$(P_a)^2 = 0$ $(P_d)^2 =$	.207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1, or 2. and divide		Backpressure Curve Slope = "n" Assigned Standard Slope		n x	LOG	Antilog	, D	Open Flow Deliverability quals R x Antilog (Mofd)	
				divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	by.		Startus	a.a Glope					· ,	
Open Flo	-			Mcfd @ 14.			Deliverab			-	Mcfd @ 14.6	•		
		-		n behalf of the	, ,		<u> </u>		o make the day of _C	•	ort and that h		wledge of , 20 <u>15</u> ,	
ne iacis S	iateo I		m, and that s	ald report is true	e and correc	ı. ⊏xecuied	uns me	R	uay or		D.C. 0	$\overline{\mathcal{L}}$	, 20 <u></u> .	
			Witness (	(if any)			_	-42	- 11 10	For C	Company			
			Far Comr	nission			_			Che	cked by			

	ı
I declare under penalty of perjury under the laws o exempt status under Rule K.A.R. 82-3-304 on behalf of the	of the state of Kansas that I am authorized to request the operator. Discovery Natural Resources LLC
and that the foregoing pressure information and staten	
correct to the best of my knowledge and belief based up	
of equipment installation and/or upon type of completion	
Thereby request a one-year exemption from open flo	
gas well on the grounds that said well:	ow testing for the
	•
(Check one)	
is a coalbed methane producer	•
is cycled on plunger lift due:to water	_
is a source of natural gas for injection	n into an oil reservoir undergoing ER
is on vacuum at the present time; KC	Č 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	y and all supporting documents deemed by Commission
staff as necessary to corroborate this claim for exemption	on from testing.
	Received
Date: October 26, 2015	Received KANSAS CORPORATION COMMISSION
	OCT 2 8 2015
	CONSERVATION DIVISION
	WICHITA, KS
Signature:	Bonne Sofuld
, Title: _F	Regulatory Supervisor
	1 a 1

## 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.