KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Type Test	:					(5ee instruct	ions on He	iverse Sige	"						
= '	en Flov liverab					Test Date 10/12/15					No. 15 20629-000	0				
Company Discover		ural	Resources	LLC	··			Lease Pfennin	nger				12-29-			
County Scott	Location NW SW			Section 29	_	TWP 18S	· · · · · · · · · · · · · · · · · · ·		W)			Acres Attributed 160 KANSAS CORPORA				
Field Hugoton NE					Reservoir Krider	Ī			Gas Gathering Cor OneOk		ection	ction		VSAS CORPOR		
Completion Date 10/04/2010					Plug Bac 2987'	k Total Dept	h	Pad		Packer Set at			CONSERVATION TO			
Casing S 5 1/2"					Internal D 4.950	Diameter		Set at 4768'		Perforations 2774'			CONSCRIZATION DI 786' NICHITA KS			
Tubing Size Weight 2 3/8" 4.7#				Internal D 1.995	Diameter		Set at 2764'		Perforations							
Type Con Single (n (De	escribe)	·		Type Flui Water	d Production	1	Pump Unit or Trave No) Plun	ger? Yes	/ No		
Producing	Thru	(Anr	rulus / Tubin	ıg)		% C	arbon Dioxi	de			n		Gas Gravity - G			
Tubing						.06			42.67			742				
Vertical Depth(H) 4788'						Pressure Taps Flange								(Meter Run) (Prover) Size 2.067		
Pressure	Buildu	p: :	Shut in 10,	/12	2	0_15_at_1	0:30 AM		Taken_10	0/13	20	15	at_10:30 /	AM ((AM) (PM)	
Well on L	ine:		Started		2	0 at		(AM) (PM)	Taken		20		at	(AM) (PM)	
- -							OBSERVE	D SURFAC	E DATA			Dura	tion of Shut-	in	Hours	
Static / Dynamic Property	Orifice Size (inches)		Circle one: Meter Prover Press , psig (Pm)	ure Di	ressure ifferential in ches H ₂ 0	Flowing Well He Temperature Temperat		Wellhead Pressure		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In			ir .					100				24				
Flow	r	٠	1													
			<u> </u>				FLOW STR	EAM ATTE	RIBUTES							
Plate Coefficeient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		E	Press xtension P _m x h	Grav Fac	tor 1	Flowing Femperature Factor F _{ft}	Fa	riation actor = _{pv}	Metered Flow R (Mcfd)		GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G _m	
				<u> </u>		45-5-1									<u></u>	
(P _c) ² =		_:	(P _w) ² :	=	<u> </u>	OPEN FL	OW) (DELIV		r) CALCUL P _c - 14.4) +		::		(P _a); (P _a);	c 0.2	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1. 2.	2. P _c ² -P _c ² 1.		LOG of formula 1. or 2. und divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow Mcfd @ 14.65 psia								Deliverability Mcfd 4				@ 14.65 psi	L а			
		-	d authority, o			, .		•		_		ort and	that he ha		_	
the facts s	tated ti	nerei	n, and that s	aid rep	oort is true	and correc	t. Executed	this the 2	otn	day of	tober	<u></u>		ı i	20 <u>15</u> .	
			Witness	(if any)						mu	For	Company	yld			
			For Com	mission				••	<u>. </u>		Che	cked by				
			. 5. 55111								3110					

exempt status under Rule K.A	of perjury under the laws of the state of Kansas that I am authorized to request A.R. 82-3-304 on behalf of the operator Discovery Natural Resources LLC									
	ure 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									
• •	or upon type of completion or upon use being made of the gas well herein named.									
	ear exemption from open flow testing for the Pfenninger 12-29-1831									
gas well on the grounds that	said well:									
is cycled of is a source is a source is on vacue is not cap ! further agree to supply	ed methane producer on plunger lift due to water e of natural gas for injection into an oil reservoir undergoing ER um at the present time; KCC approval Docket No able of producing at a daily rate in excess of 250 mcf/D to the best of my ability any and all supporting documents deemed by Commission orate this claim for exemption from testing.									
Date: October 26, 2015	Received KANSAS CORPORATION COMMISSION									
	OCT 2 8 2015									
	CONSERVATION DIVISION WICHITA, KS									
Signature: Bonne Scofuld Title: Regulatory Supervisor										

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.