KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Rev	erse Side)				
Open Flow				Test Date	Test Date: API No. 15								
✓ Deliverability					12/09/14 171-20676-000)			
Company Discovery Natural Resources LLC					Lease Wiechman					Well Number 4-30-1831			
County Location Scott NWNW				Section 30		TWP 18S		RNG (E/W) 31W			Acres Attributed 320		
Field Hugoto	n NE				Reservoir Krider				Gas Gathering Connection		ection		
2/13/200		е			Plug Back Total Depth 2816'		th		Packer Set at NA				
_			Weigh 10.5	t	Internal Diameter		Set at 364'		Perforations 2758'		то 2768'		
Tubing Si 2-3/8" C			Weigh 4.7	t	Internal Diameter 1.995"		Set at 2753'		Perforations		То		
Type Con Gas We		1 (De	escribe)		Type Fluid Production Water		n	Pump No		it or Traveling	Plunger? Yes	er? Yes / No	
Producing Tubing	y Thru	(Anr	nulus / Tubin	3)	% Carbon Dioxid		ide	% Nitrogen 47.1469			Gas Gravity - G _g 0.822		
Vertical D	epth(H	ſ)					sure Taps				(Meter i	Run) (Prover) Size	
			400		0	Scre					44 0.450		
Pressure	Buildu	p:	Shut in	9 2	10 14 at 2	:15PM	(AM) (PM)	Taken_12	2/10	20	14 at 2:15P	<u>И</u> (AM) (PM)	
Well on L	ine:	:	Started	2	0 at		(AM) (PM)	Taken	`	20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in_24 Hours	
Static / Orific Dynamic Size Property (inches		e Meler		Pressure Differential	Flowing	Well Head		Casing		ubing ad Pressure	Duration	Liquid Produced (Barrels)	
				rre in	Temperature t	Temperature t	Wellhead Pressure (P _w) or (P ₁) or (P _c)		(P _w) or	(P ₁) or (P _c)	(Hours)		
Shut-In			paig (Fili)	Inches H ₂ 0	<u> </u>		130	psia	psig	psia	24		
Flow				 -						+			
						FLOW STR	REAM ATTRII	BUTES					
Plate	,		Circle one:	Press	Gro		Flowing				COD	Flowing	
Coeffictient		Meler or Prover Pressure		Extension	Grav Fac	tor	Temperature Factor	Fa	iation ctor	Metered Flov R	(Cubic Fe	et/ Fluid	
Mcfd			psia	✓ P _m xh	F,	3	F _n		F _{pv} (Mcfd)		Barrel)	Gravity G _m	
				_									
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P)	²= 0.207	
(P _c) ² =		_:	(P _w) ² =		P _d =		% (P,	14.4) +	14.4 =	:	(P _d)		
 (P _e)²- (I	P)2	(P	(P _w) ² - (P _w) ²	Choose formula 1 or 2	LOG of	ГП		sure Curve e = "n"		ר ח		Open Flow	
or (P _c) ² - (I	- I		c/ (w/	2. P _c ² -P _d ²	formula 1. or 2.			or	n x I	-0G	Antilog	Deliverability Equals R x Antilog	
(d)			divided by: Pc2-Pw	and divide by:	P _c ² - P _w ²		igned ird Slope		_ L J	_	(Mcfd)	
			ľ		1								
											•		
Open Flo	w	Mcfd @ 14.65 psia					Deliverabil	lity	Mcfd @ 14.65 psia				
The u	undersi	anec	f authority, o	n behalf of the	Company. s	states that h	ne is dulv aut	thorized to	o make th	e above repo	rt and that he ha	s knowledge of	
				aid report is true						edember	I —	, 20	
		1 - 1	,			Receive	ed		[
_			Witness (f any)	KANSAS	CORPORATIO	N COMMISSION	<u> </u>	$\bigvee \mathcal{W}$	Ford	Company		
_					J	AN 05	2015 _						
			For Comm	nission						Chec	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 Discovery Natural Resources LLC 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 the Wiechman 4-30-1831 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: December 21, 2014
Received KANSAS CORPORATION COMMISSION JAN 0 5 2015 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.