KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(See Instruc	tions on Rev	erse Side)				
☐ Open Flow Deliverability					Test Date:				API No. 15				
Company				6-16-20	Lease	145-20,441 - OO - OO Well Number							
Zenith D		Cor	poration				Colglazi	er			1		
County Pawnee			Locati C SW S		Section 4			TWP 23s		N)	Acres Attributed 160		
Field ZOOK					Reservoir VIOLA			Gas Gathering LUMEN ENI			ection	RECEIVED SEP 2 0 2017 KCC WICHI	
Completic 1-03-197		₿			Plug Back Total Dept 4096'		th	h		et at	SEP 2 0 20		2
Casing Size 4.5			Weigh 10.5	t	Internal Diameter 4.052		Set at 4139		Perforations 4025		то 4072	KCC MICHI	AT.
Tubing Size 2.375			Weigh 4.7	t	Internal Diameter 1.995		Set at 4069		Perforations		То	-Keo-m	
Type Completion (Describe) Single					Type Fluid Production Water				Pump Unit or Traveling Plun			/ No	
Producing Thru (Annulus / Tubing)				9)	% Carbon Dioxide				% Nitroge	en	Gas Gre	Gas Gravity - G _g	
Annulus Vertical D		1)				Pres	ssure Taps				(Meter F	tun) (Prover) Size	
											2" MR		
Pressure Buildup:							. (AM) (PM) Taken_ <u>6</u> -		16	20	11 at 10:00	(AM) (PM)	
Well on L	ine:	:	Started 6-1	62	20 <u>11</u> at <u>1</u>	0:00	. (AM) (PM)	Taken	-	20	at	(AM) (PM)	
					.	OBSERVE	ED SURFACE	DATA			Duration of Shut-i	n Hours	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t t		(P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _±) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	Shut-In		,		-		95ig 315	psla	psig	psia	24		
Flow										1	~~		
						FLOW ST	REAM ATTR	BUTES	·				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Grav Fac F	tor	Flowing Temperature Factor F _{tt}	Fa	iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G	
<u> </u>					(OPEN EL	OW) (DELI)	/ERABILITY)	CALCUL	ATIONS				
(P _c) ² =		_:	(P _w) ² =	:	P _d =) - 14.4) +		:	(P _a)² (P _d)²	= 0.207	
(P _e) ² - (P _a) ² or (P _e) ² - (P _d) ²		(P _c) ² - (P _w) ²		Choose formula 1 or. 1. $P_0^2 \cdot P_a^2$ 2. $P_c^2 \cdot P_d^2$ divided by: $P_c^2 \cdot P_d^2$	LOG of formula 1, or 2, and divide	LOG of formula 1. or 2. and divide p2.p2		ssure Curve pe = "n" orsigned ard Slope	n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		-					<u> </u>						
Open Flow			Mcfd @ 14.65 psia				Deliverability		Mcfd © 14.65 psia				
		•	•	n behalf of the	• •		•		o make the	•	rt and that he has	s knowledge of, 20 <u>12</u>	
			Witness (if any)			_	7	حكك	4 Of	Diybany		
			For Comm	nission			_			Chec	ked by		

SEP 2 0 2012

KCC WICHITA

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 Zenith Drilling Corporation											
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											
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: 8-30-2012											
$\kappa \sim \kappa \sim$											
Signature:											
Title: Russell D. Briggs, Secretary Treasurer											

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.