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

Type Tes	t:				•	(See Instruc	tions on Re	verse Side	e)			
Op	en Flo	w			Test Date	e:			ΔΦΙ	No. 15		
<b>√</b> De	liverab	ilty			3/26/20					-20485 <b>- 0</b>	000	
Company Zenith D		Co.					Lease Hanken				1	Well Number
County Location Pawnee E2 SW			Section 9				RNG (E/ 16W	W)		Acres Attributed		
Field Zook				Reservoir <b>Viola</b>				Gas Gathering Connect Lumen		ection	KCC M	
Completion Date 11/8/77				Plug Back Total Depth 4045				Packer Set at NA			APR 15	
Casing Size Weight 4.500 9.5				Internal   4.152	Diameter		Set at Perforat 4169 4030			то 4038	APR 15	
Tubing Size (1) Weight 2.375 4.7				it	Internal I 1.995	Diameter		Set at Perforations 4015		ations	То	
Type Completion (Describe) Single				Type Fluid Production gas				Pump Unit or Traveling Plunger? Yes / No				
Producing Thru (Annulus / Tubing) Tubing				% Carbon Dioxide				% Nitroge	en	Gas Gra 0.625	avity - G <sub>g</sub>	
Vertical D	epth(H	1)		<del>-</del>			sure Taps		-1.0		,	Run) (Prover) Size
Pressure	Buildu	n: -	Shut in 3/2	5 2	15 <sub>at</sub> 5	flang :00	<u> </u>	Taken 3/	26	20	15 at 5:00	ter Run (AM) (PM)
Welt on L			Started 3/20		15 at 5	•00					at	, ,, ,
	_					OBSERVE	D SURFACI	E DATA		<del></del>	Duration of Shut-i	n 24 Hours
Static / Dynamic Property	ic Size Prover Press		Pressure Differential in Inches H <sub>2</sub> 0	Temperature Temperature		Casing Welihead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Tubing  Welihead Pressure  (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )  psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		,					240	PVIL	poig	μοια	24	
Flow				<u> </u>								
						FLOW STR	REAM ATTR	IBUTES				
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd		Circle one: Meter or Prover Pressure psia		Press Extension P <sub>m</sub> xh	_ Factor		Temperature Factor		viation Metered Flow actor R = (Mcfd)		GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G <sub>m</sub>
									_			
			<i>(</i> = ).0			OW) (DELIV						= 0.207
$\frac{(P_c)^2 = }{(P_o)^2 - (P_a)^2}$		(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2			Backpressure Curve Slope = "n"			<u>-</u> : :	(P <sub>d</sub> ) <sup>2</sup>	Open Flow Deliverability
or (P <sub>e</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>				2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	1. or 2. and divide	P.2-P.2	or Assigned Standard Slope		n x L(		Antilog	Equals R x Antilog (Mofd)
	+											
Open Flow Mcfd @ 14			65 psia		Deliverab	Deliverability			Mcfd @ 14.65 psia			
The u	ındersi	aned	authority. or			states that h			make the		t and that he has	
				id report is true					day of Ap			20 15
			Witness (il	any)			_	n		√or Q	упрапу	
	. ,,		For Comm	ission			_	<u>(Un</u>	ules	All Charles	Manual Med by	w

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 Co.	
and that the foregoing pressure information and statements contained on this applicat	tion form are true and
correct to the best of my knowledge and belief based upon available production summar	ries and lease records
of equipment installation and/or upon type of completion or upon use being made of the g	as well herein named.
I hereby request a one-year exemption from open flow testing for the Hanken #1	
gas well on the grounds that said well:	
	KCC WIC
(Check one)	APR 15
is a coalbed methane producer	Do-
is cycled on plunger lift due to water	"CEIVE
is a source of natural gas for injection into an oil reservoir undergoing	g 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.	doctrically dominions,
orall action of the control of the c	
D : 4/7/2015	
Date: <u>4/7/2015</u>	
•	
Signature: Mula House Title: 19 gent	
Signature.	mous

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.