KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Rev	erse Side)			
Open Flow					Tool Date:				. D	N- 45		
✓ Deliverabilty				Test Date: 12/31/2014				API No. 15 15-189-22124 – 0000				
Company FOUR S		OIL	& GAS				Lease I.F. WRA	λΥ			3	Well Number
			Locati C/NE/N		Section 16			TWP 35S		(W)	Acres Attributed	
Field GOOCH						Reservoir MORROW				Bas Gathering Connection ONEOK		
Completion Date 03/04/1997					Plug Bac 6536'	k Total Dep	th		Packer Set at			
Casing Size 5.5"			Welgh 15.5#	1	Internal E	Internal Diameter		t ''	Perforations 6309'		то 6397'	
Tubing Si 2 3/8"	ze		Weight 4.7#		Internal Diameter 1.995"		Set at 6332'		Perforations		То	
Type Con			escribe)		Type Flui	d Production	n			nit or Traveling UNIT	Plunger? Yes	/ No
Producing Thru (Annulus			nulus / Tubing)	% C	arbon Dioxi	íe °		% Nitrogen		Gas Gravity - G _g	
ANNULUS					.663			2.008			.713	
Vertical D	epth(F	1)				Pres FLG	sure Taps				(Meter F 3"	Run) (Prover) Size
Pressure	Buildu	p:	Shut in	29 2	0 14 at 1	0:20 AM	(AM) (PM)	Taken 12	2/31	20	14 at 11:45	AM_ (AM) (PM)
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
				<u>-</u> -		OBSERVE	D SURFACE	DATA	,		Duration of Shut-	inHours
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential re in Inches H ₂ 0	Flowing Temperature t	Temperature Temperature		(P _w) or (P ₁) or (P _c)		Tubing ead Pressure r (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In			poig (r my	interior rigo			70.4	psia 84.8	psig	psia		
Flow												<u> </u>
						FLOW STF	REAM ATTRI	BUTES				
Plate Coefflecient (F _b) (F _p) Motd		Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m xh	Grav Fac F	tor	Flowing Temperature Factor	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	l Gravitu
									_			
(P _c) ² =			(P _w)² ==	:	(OPEN FL	• •	'ERABILITY) % (P	CALCUL - 14.4) +		:	(P _a) (P _d)	² = 0.207 ² =
		=:-		Choose formula 1 or 2	7			sure Curve		г ¬	\ <u>\</u>	Open Flow
$(P_c)^2 - (P_a)^2$ or $(P_a)^2 - (P_d)^2$		(F)2-(P_)2	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w$	ana aiviae		Slope = "n"or Assigned Standard Slope		n x log		Antilog	Deliverability Equals R x Antilog (Mcfd)
					<u> </u>							
Open Flo	w			Mcfd @ 14	.65 psia		Deliverabi	lity			Mcfd @ 14.65 ps	a
			_					244		he above repo	ort and that he ha	
the facts s	tated t	herei	in, and that sa	id report is tru	e and correc			· · · · · · · · · · · · · · · · · · ·	day of _	Lemman	of Olam	, ₂₀ <u>(5</u>
			Witness (i	any)			MICH	***	ے	For	Company	•
<u> </u>			ForComm	ission		FEB	1 3 2015			Che	cked by	
						_	-					

RECEIVED

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 FOUR STAR OIL & GAS
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 I.F. WRAY #3
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: 01/08/2015
Date: Otyco Carlo
\mathcal{A}
KCC WICHITA Signature:
FEB 13 2015 Title: Measurement Specialist
RECEIVED

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.