KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:		;;	• •	(See Instruct	tions on Re	verse Side	e)	*****			
U Open	1 Flow	٠,	,	Test Date	۵۰		:	· ADI	No. 15	:		
Deliv	erabilty				17, 2015	•			97-21807 -	-0000		
Company HERMAN		 3 LLC		:		Lease : RANDE	L	· · · · · · · · · · · · · · · · · · ·	.:	3-20	Well Number	
County Location KIOWA NW NE NW SE				Section 20	. i.	TWP 27			Ŵ) · '	Acres Attributed		
Field WILDCAT				Reservoi Mississ					nering Conn KFIELD SV			
Completion 10/15/2014				Plug Bac 4805	k Total Dept	th	•	Packer S	et at		•••	
Casing Size Weight 5.50 15.5				Internal I 4.950	Diameter	Set a 482		Perforations 4774		т _о 4789	· 	
Tubing Size Weight 2.375 4.700				Internal I	Diameter		Set at 4780		rations N	То		
Type Compl SINGLE	letion (De	escribe)	: .		d Production NATER			Pump Ur PUMP	it or Traveling ING	Plunger? Yes	/ No	
Producing T		nulus / Tubin	9)	% C	Carbon Dioxi	de .		% Nitrog	en .	Gas G	ravity - G _g	
Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Siz 4781										Run) (Prover) Size		
Pressure Bu	uildup:	Shut in	16 2	0_15_at	::	(AM) (PM)	Taken 12	2/17.	20	15 at	(AM) (PM)	
Well on Line	e:	Started	20	0 at	:	(AM) (PM)	Taken		20	: at	(AM) (PM)	
	· . ;		:	. :	OBSERVE	D SURFAC		1,11		Duration of Shut	-in Hours	
Dynamic .	amic Size Prover Pressure in		Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		(P_w) or (P_t) or (P_c)		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In		F-13 (7		_		320	psia	psig	psia .	24	· · · · ·	
· Flow					, .					,	÷ : :	
·. '.			.' ',		FLOW STR	EAM ATTR	IBUTES.	• •	1.			
Plate Coeffiecter (F _b) (F _p) Mcfd	nt	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Grav Fac F	tor	Flowing Femperature Factor F _{II}	Fa	riation . actor = pv	Metered Flow R (Mcfd)	w GOR (Cubic Fo Barrel)	(Cravity	
,	:				:	•		• • • •			·	
	:,		_	(OPEN FL	OW) (DELIV	ERABILITY) CALCUL	ATIONS		, /D)2 = 0.207	
(P _c) ² =	<u>··</u> :_	(P _w) ² =	· · · · · · · · · · · · · · · · · · ·	. P _d =			٠ - 14.4) +	٠.		(P _d)		
(P _c) ² - (P _a) or (P _c) ² - (P _d)	- I	P _c) ² - (P _w) ²	Choose formula 1 or 2. 1: P _c ² - P _a ² 2. P _c ² - P _d ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slo As	essure Curve pe = "n" - or signed	n x	og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
,		•	divided by: $P_c^2 - P_w^2$	by;	<u> </u>	Stand	lard Slope	-		•		
					•			-				
Open Flow			Mcfd @ 14.	65 psia		Deliverat	oility	:'''		Mcfd @ 14.65 ps	ia	
The un	dersigne	d authority, o	n behalf of the	: Company, s	states that h	i : e is duly a	uthorized t	o make th	: le above repo	:. ort and that he-ha	as knowledge of	
the facts stat	ted therei	in, and that s	aid report is true	and correc			1ST	day of D	ECEMBER		, 20 <u>15</u>	
			:	; K	Re ANSAS CORPO	ceived [.] RATION COMM	IISSIOH			<u>. </u>		
		Witness (if any)			0.4 .2 015		• .• .	For	Company		
,		For Comm	nission	;	Conserva	1			Che	cked by	'	
						70 T T-4					•	

	1.11		4	,	· <u>·</u> · ···		er fedjalor e		
: - :. 	:	- :			i Fulfi	•		:	
exempt sta	tus under Ru	ıle K.A.R. 82-3	y under the laws -304 on behalf of	the operator	HERMAN	L. LOEB L	LC	<u>.</u>	
correct to t	he best of ment installatio	y knowledge a n and/or upon	mation and stated of the state of completic option from open	upon availab on or upon us	le productio e being mad	n summari de of the ga	es and leas as well herei	e records	
gas well or	the ground:	s that said well	:				•		ļ
	(Check one)			 :	. 1		:		
	is cy	source of natu	ne producer er lift due to wat ral gas for inject e present time; K	ion into an oi			ER :		
••	er agree to s	upply to the be	roducing at a da st of my ability a claim for exem	iny and all su	ipporting do	:	leemed by (Commission	
-	. :		•	•,		٠.,			
Date: 12/3	1/2015	:	·		.* *.,*				
	·					· . ·:.			
		Received	Signature:	M		• • • • • • • • • • • • • • • • • • •	· :	·····.	
	KANSA	AS CORPORATION COM	IMISSION Title:	Shane Pelto	on, Prod Su	pervisor H	erman L Lo	eb LLC	
		JAN 04 20	16			: .			ļ
	·	ONSERVATION DIVIS WICHITA, KS	SION:	<u>.</u> . :		<u>.</u>			

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.