Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:			(See Instruc	ctions on Reverse Sid	e)	·		
Open Flow		: **	: Test Date: : `	: :- : : : : : : : : : : : : : : : : :	API No. 15	:		
Deliverabilty		· · · · · · · · · · · · · · · · · · ·	12/15&16, 2015	· · · · · · · · · · · · · · · · · · ·	15-097-21700	-00-00	· · · · · · · · · · · · · · · · · · ·	
Company HERMAN L. LOI	≣B LLC			Lease HARDY		#3	Vell Number	
County KIOWA	Location SE NE	· . · . · . · .	Section	TWP 28S	RNG (E/W) 18W		Acres Attributed	
Field HARDY			Reservoir MISSISSIPPI CH	ERT :	Gas Gathering Con ONEOK FIELD SV			
Completion Date 8/16/2011		 -:	Plug Back Total Der 4845	oth -	Packer Set at NONE	· .	13 (14) 13 (14)	
Casing Size 5.500	Weight 15.50		Internal Diameter 4.976	Set at 4875	Perforations . 4806	To		
Tubing Size 2.375	Weight 4.700		Internal Diameter 1.995	Set at 4822	Perforations OPEN	To		
Type Completion (<u> </u>	Type Fluid Production	on :	Pump Unit or Travelin	g Plunger? Yes	/ No :	
Producing Thru (A	nnulus / Tubing)		% Carbon Diox	·	% Nitrogen	Gas Gra	avity - G _a	
ANNULUS	· · · · · · · · · · · · · · · · · · ·	1 1	<u> </u>	·	, , , , , , , , , , , , , , , , , , ,	· . · · · · · · · · · · · · · · · · · ·		
Vertical Depth(H) 4821	<u> </u>		Pre	ssure Taps	;	(Meter F	Run) (Prover) Size	
Pressure Buildup:	Shut in 12/15	20	15. at	(AM) (PM) Taken 1	2/16 20	15 at:	(AM) (PM)	
Well on Line:	Started	20	:) at	(AM) (PM) Taken	<u> </u>	0 at	(AM) (PM)	
			OBSERV	ED SURFACE DATA	: 1, 1	Duration of Shut-i	n Hours	
Static / Orifice	Circle one:	Pressure Differential	Flowing Well Head	Caeina	Tubing Wellhead Pressure	Duration,	Liquid Produced	
Dynamic Size Property (inches)	Prover Pressure	1	Temperature Temperature	$\langle P_{w} \rangle$ or $\langle P_{t} \rangle$ or $\langle P_{c} \rangle$.	(Pw) or (Pt) or (Pc)	(Hours)	(Barrels)	
Shut-In	psig. (Pm)	inches H ₂ O		psig. psia	psig psia	24		
Flow	- :.		 :	130	:. :	27	1	
		., .		REAM ATTRIBUTES	<u> </u>	<u></u>	<u> </u>	
Plate	* Circle one:	Press	_	Flowing		!	Flowing	
Coefficeient	Meter or Prover Pressure	Extension	Gravity Factor	Temperature F	viation Metered Flo actor R	(Cubic Fee	et/ : Fluid	
Mofd Mofd	psia	✓ P _m x.h	F,	F _n · · ·	F _p (Mcfd)	Barrel)	Gravity G _m	
			:	:			;	
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS $(P_a)^2 = 0.207$								
(P _c) ² =:	(P _w) ² =	<u> </u>	: P _d =	% (P _c - 14.4) -	+ 14.4 =:	(P _d) ²	=	
(P _c) ² - (P _a) ²	(P _c) ² - (P _w) ²	1. P _c ² - P _a ²	LOG of	Backpressure Curve		:.	Open Flow	
or . (P _c) ² - (P _d) ² .		2. P _c ² -P _d ²	formula 1, or 2, and divide p 2 p 2	Assigned	_ n x LOG :	Antilog	Deliverability Equals R x Antilog	
	,` , divi	ded by: Pc2 - Pu2	and divide P2-P2	Standard Slope	·. <u>.</u>	1	(Mcfd)	
1		·	<u> </u>	· :				
		: · · · · · · · · · · · · · · · · · ·						
Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia								
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of								
the facts stated therein, and that said report is true and correct. Executed this the 17TH day of DECEMBER , 20 15								
Received KANSAS CORPORATION COMMISSION								
			Rece	ived		:		
	. Witness (if an	; ny).	Rece KANSAS CORPORAT DEC 2	TION COMMISSION	. For	Company	<u> </u>	

CONSERVATION DIVISION WICHITA, KS

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		ws of the state of Kansas that I am authorized to request						
exempt status unde	er Rule K.A.R. 82-3-304 on behalf	of the operator_HERMAN L. LOEB LLC						
and that the forego	oing pressure information and sta	atements contained on this application form are true and						
correct to the best	of my knowledge and belief based	d upon available production summaries and lease records						
of equipment instal	llation and/or upon type of complet	tion or upon use being made of the gas well herein named.						
I hereby reque	st a one-year exemption from ope	en flow testing for the HARDY #3						
	ounds that said well:							
(Check	ono)							
(Check	is a coalbed methane producer							
	is cycled on plunger lift due to wa	Physical Carlos and Ca						
		ction into an oil reservoir undergoing ER						
	is on vacuum at the present time;							
· · · · • • • • • • • • • • • • • • • •	is not capable of producing at a c	daily rate in excess of 250 mct/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 exer	mption from testing.						
Date: 12/17/2015								
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•								
	Signature	All states and the states are the states and the states are the st						
	· , , , , ,	Ohana Ballan Band Ohanania and Lamball O						
	Received Title Kansas corporation commission	Grand Fellori, Frod Supervisor Figurian E. Loeb ELO						
	DEC 2 1 2015							
: <u></u>	CONSERVATION DIVISION.							

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.