Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:		:	(See Instructi	ions on Rev	erse Side)	•		<u></u>
Open Flow	v . : .		Test Date	,	:	:	` AD1	No. 15		٠,
Deliverabi	lty .		12/15&1		ē	••		NO. 13 197-21357(00-00	
Company HERMAN L. LC	DEB LLC			'	Lease HARDY					Well Number
County KIOWA	Locat		Section 14		TWP 28S		RNG (E/\ 18W	V)	- ,	Acres Attributed
Field HARDY		:	Reservoir MISSIS			:	Gas Gath	ering Conn	ection CS.	
Completion Date 12/16/1993	, , ,		Plug Bac 4944	k Total Depti	h		Packer S NONE			-
Casing Size 5.500	Weight 15.00		Internal Diameter 4.050		Set at 4984		Perforations 4818		To 4834	
Tubing Size 2.375	Weight 4.700		Internal Diameter 1.995		Set at 4815		Perfor OPE		То	· · ·
Type Completion SINGLE	(Describe)	; ;		d Production	<u> </u>	-	Pump Uni PUMPI		Plunger? Yes	/ No
Producing Thru	(Annulus / Tubin	ng)	. % C	arbon Dioxic	dę	:	% Nitroge	en .	Gas Gr	avity - G _g
Vertical Depth(H)	<u> </u>			Press	sure Taps	,	•	· · · ·		Run) (Prover) Size
Pressure Buildup	: Shut in	/15	0_15_at		(AM) (PM)	Taken_12	/16	20	15 at	(AM) (PM)
Well on Line:	Started) at		(AM) (PM)	Taken		20	at	(AM) (PM)
			• ;		D SURFACE	•		• • •	Duration of Shut-	in Hours
Static / Orifice		Flowing Well Head Temperature Temperature		Casing Wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c).		Duration (Hours)	Liquid Produced (Barrels)	
Property (inche	psig (Pm)		· t	t	psig		psig	psia		<u> </u>
Shut-In				:	145		·28	 	24	: :
Flow.	<u> </u>	,	<u> </u>	, .			<u> </u>	┷		<u> </u>
·· ·· ·· ·· · · · · · · · · · · · · ·		[FLOW STRI	EAM ATTRI	BUTES,			·	 ,
Plate Coefficcient (F _b) (F _p) Mord	Circle ana: Meter or Prover Pressure psia	Press Extension	Grav Fact	'' ^{'''''} . T	Flowing emperature Factor	'Fac	ation - ctor -	Metered Flow R (Mcfd)	W GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_m
	· · · ·	,.	_							
 .		-	(OPEN FL	OW) (DELIVE	ERABILITY)	CALCUL	ATIONS	-	(P.19	2 = 0.207
(P _c) ² =	: (P _w) ² =	=:	P _d =	<u>. </u>	(P,	- 14.4) +	14.4 =	:-	(P _d)	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1, or 2	P _c ² - P _w ²	Slop	sure Curve e = "n" origned rd Slope	n x L	og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
		,	 	<u></u>	1 1			`` _		
1,	[.::	•			. , , , ,	·
Open Flow		Mcfd @ 14.0	65 psia		Deliverabi	lity	<u> </u>		Mcfd @ 14.65 psi	<u>a</u>
The undersig	ned authority, o	on behalf of the	Company, s	tates that he	is duly aut	: horized to	make the	above repo	rt and that he ha	s knowledge of
the facts stated th	erein, and that s	aid report is true	and correc	•		TH	day of DE	CEMBER	<u> </u>	, 20 _15
	:		. К	Red ANSAS CORPOR	Ceived RATION COMMI	SSION			•	•.
	Witness			DEC	1 2015			For C	Company	
÷	For Comr	nission •		CONSERVAT WICHI	- MOINTENAN	·			cked by	

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	alty of perjury under the laws			to request
•	ressure information and state			e true and
	knowledge and belief based (••		
-	and/or upon type of completic		•	
the second of th	e-year exemption from open			* * * * * * * * * * * * * * * * * * * *
gas well on the grounds t				•
(Check one)				
isacc	palbed methane producer	:		. i
	led on plunger lift due to wate	er .		_
. '	ource of natural gas for inject		undergoing ER	
. =	vacuum at the present time; K			
·	capable of producing at a da	,		
I further agree to sup	pply to the best of my ability a	any and all supporting d	ocuments deemed by	Commission
staff as necessary to cor	roborate this claim for exemp	ption from testing.		•
	•			
Date: 12/17/2015	•			1
Date: 12/17/20/15			: 1	
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·				·
		40.	. :	÷
	Olement and a	11/16	•	:
	: Signature:	Millet	<u> </u>	:
	: Received Title:	Shane Pelton, Prod St	upervisor Herman L Le	oeb LLC
		Shane Pelton, Prod Su	upervisor Herman L Le	oeb LLC

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.