KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	: en Flow liverabil		· · · ·	· · · · ·	Test Date		ructions on Rev	verse Side	, API	No. 15				
Company							Lease		15-	155-21158-0		Well Number		
Unit Petr	roleum	Со					Hansen				1			
County Reno					Section 21				RNG (E/ 9W	W)		Acres Attributed		
Field Langdon					Reservoii Mississi					hering Conne Superio				
Completio		· -		Plug Back Total Depth Packer Set at 4009					7					
Casing S	ize		Weight		Internal I 4.892	Diameter	Set a		Perfo	rations 6-3856	To /	-3 8 66 '		
Tubing Si 2.875	ze		Weight 6.5		Internal [Diameter	Set a 3900	ıt		rations	То	3000		
Z.675 Type Con	nnletion	(De							Pump Hr	nit or Travelina	Plunger? Ven / No.			
Single (Gas					Type Fluid Production				Pump Unit or Traveling Plunger? Yes / No Pump Unit				
Producing Tubing	Thru .	(Anr	nulus / Tubing		% _. C	Carbon Di	ioxide		% Nitrog	jen	Gas Gr	avity - G _g		
Vertical D	epth(H))	<u></u>			Pressure Taps						Run) (Prover) Size		
4009			Shut in 6/24		12- 0	Flange 13 ⁻ _{at} 8:00 AM (AM) (PM) Taken 6				5/26 20 13 at 8:00 AM (AM) (PM)				
Pressure			Snut in											
Well on L	ine:	•	Siarted	2	u at		(AM) (PM)	iaken		20	at	(AM) (PM)		
			<u> </u>	1_		OBSER	RVED SURFACE				Duration of Shut-	in 24 Hours		
Static / Dynamic Property	Orific Size (inche	,	Circle one: Meter Prover Pressui	Differential	i lemperature		ad Wellhead (P _w) or (P	Pressure	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In	(mone		psig (Pm)	Inches H ₂ 0		t	psig	psia	psig	psia				
Flow			-				24	·	40 .					
1 10W					L	FLOW S	STREAM ATTR	IRUTES	J					
Plate			Circle one:				Flowing	DOTES				Flowing		
Coeffiec		Meter or		Press Extension	Press Grav Extension Fac		Temperature	T I Deviat		Metered Flow	v GOR (Cubic Fe	Eluid		
(F _b) (F Mcfd		Pro	ver Pressure psia	✓ P _m xh	F		Factor F _{f1}	1	(Mcfd)		Barrel)	Gravity		
									· ·	· ·				
					(OPEN FL	OW) (DE	LIVERABILITY)	CALCUL	.ATIONS	,	(P.)	² = 0.207		
P _c) ² =		_:	(P _w) ² =_	·:	P _d =		% (F) _c - 14.4) +	14.4 =	: :		2 =		
(P _c) ² - (F	D 12	(P	c)2 - (P _w)2	1. P _c ² - P _a ²	LOG of	Γ -	1 1	ssure Curve	• .	ГЪ		Open Flow		
or	1	ζ.	c' ('w')	2. P ² -P ²	formula 1. or 2.			oe = "n" or	n x	LOG	Antilog	Deliverability Equals R x Antilog		
(P _c) ² - (F	P _d) ²			ivided by: P _c ² - P _w	and divide p 2.		Ass Standa				(Mcfd)			
						***************************************			•					
Open Flov	N			Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia		
			-							•	rt and that he ha	ŭ		
ne facts st	tated th	ereii	n, and that sai	d report is true	and correc	t. Execu	ted this the 11		day of _			, 20 <u>14</u>		
			1484 01						Un	FOR Cher	Co.	KCC WICH		
			Witness (if				_	<i>V</i> .	Zy A	For C	ompany	MAR 13 20		
			For Commis	ssion			_		7	Chec	cked by	RECEIVE		

exempt status un and that the fore correct to the bes of equipment inst	er penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator
	ounds that said well:
_	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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: 3/11/14	
	Signature:

Instructions:

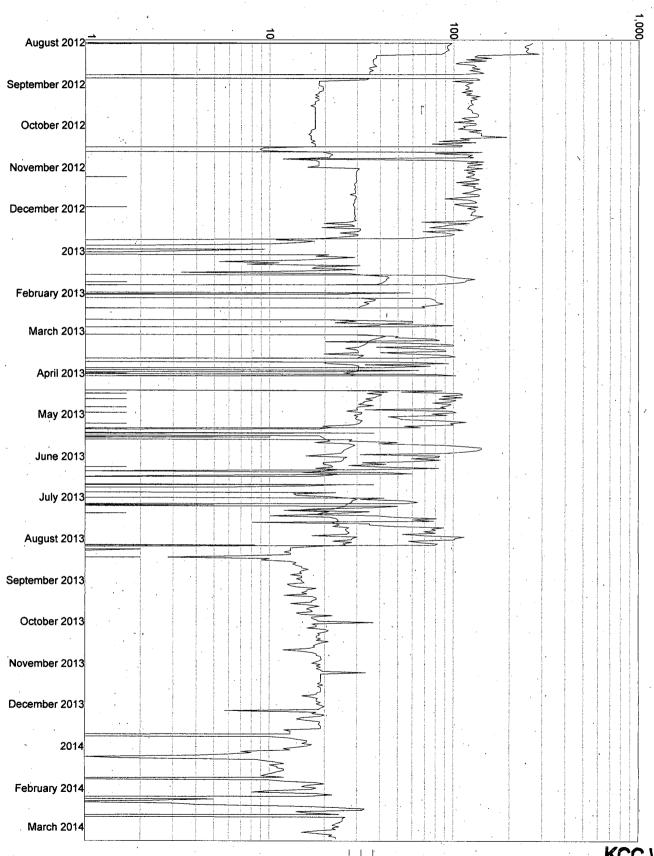
If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

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.

KCC WICHITA

MAR 13 2014



KCC WICHITA MAR 13 2014 RECEIVED

www.unitcorp.com

Unit Petroleum Company 1000 Kensington Tower P.O. Box 702500,Tulsa, OK 74170 TEL: (918) 493-7700

Perforations

Well Name: Hansen 1 (TPO) 2

Well Name Hansen 1 (TPO) 2	21	2 User Text 3 25S	09W	User Text 1	User Text	15	N/S Dist (ft) 4,950.0	N/S Ref	E/W Dist (ft) 1.969.0	E/W Ref	
District County Panhandle Reno				te/Province Insas		Or	iginal KB Elevation		(B-Ground Distance		
Basin API/UWI		Field Name	<u> </u>			Spud Dat		User Date 1	On Product		
Sedgwick Basin 1515521158	/ 	Langdon				1 11	/2/1991	2/2/1992	2		
Vertical Original Hote; 2/10/2017-4-51:46 PM											
MD (fit/B / Vertical schematic (actual)	<i>3</i> 3333.	3,846.0-3,856 Date	1/9/1991 0 Zone	9/1991 00:00			STATE WA	Bottom Depth (ftKB)			
(actual)		1/9/1991		Mississip		ginal Hole			3,856.0	,	
		Perforation Compa Schlumberger		& Wireline			Gun Size (in)		Carrier Make		
		Testing									
 		Shot Density (shots	s/ft)	2.0	Charge Typ	pe		Phasing (*)		180	
		Over/Under Baland	ed P Over		FL MD Bef	ore (ftKB)	FL MD After (ftKE	B) P Surf Init (psi) P Final	Surf (psi)	
THE LAST STATE THE SHIP SHIP SHIP SHIP SHIP SHIP SHIP SHIP		Reference Log					L	!	L		
190		Perforation s	tatus (Hi	nt: Flowing,	Squeez	ed, etc	Yes and the			" HISTA	
									all the second	100	
239		AND AND ADDRESS OF THE SECOND	USA, AMERICAN STREET	STATE OF THE PARTY	. New reservoirs and	· 2014 · Videovener	College and College and the William	AST DE LA GALLACIA DE	obstituti sensi teksense i ekseren osto ekser	NO DESCRIPTION SECTIONS	
		3,856.0-3,86 6		1/24/1996	00:00						
Casing Joints; 0.0-18	10	Date	- con to to to confidence	Zone			Top Depth (ftKB)	order in the desired and the control	Bottom Depth (ftKB)	
181.00; 8 5/8; 8.097;	1-1	1/24/1996 Perforation Compa	nv	Conveyance		ginal Hole	3,856.0 Gun Size (in)		3,866.0 Carrier Make		
114.1		Halliburton Én	ergy	Wireline				. 4			
Tubing; 4.8-3,779.8;	1 1	Services Shot Density (shots	s/ft)		Charge Typ	pe		Phasing (°)	<u> </u>		
2 7/8; 2.441; 1-1 Casing Joints; 0.0-4,	009.0;	Oned Index Dalace		4.0			Is Man and deve			90	
4,009.00; 5 1/2; 4.95	0; 2-1	Over/Under Baland	eu i Pover	ronder (psi)	FL MD Befo	ore (mkb)	FL MD After (ftKE	B) P Surf Init (psi) Prinai	Surf (psi)	
	ַן <u>ן</u>	Reference Log									
3,000.0		Perforation s	tatus (Hi	nt: Flowing:	Squeez	ed etc	Part - 1524	6), 4:7°, 7 .4°, 78.5°		3.13°5100	
	2	* Date *	24/4 A40	Status 🧓 🐔	6 1 1 1 1 1 1 1	SERT.		் Com			
2,705.1				•							
3,779.											
Anchor/catcher, 3,779	9.8-		of	i de Ir	a						
3,7623			υ.	, qc	<i>x</i> ·						
Tubing; 3,782.8-3,87-	4.9; 92.10;		5	lr							
27/8; 2.441; 1-3								•			
Perf; 3,846.0-3,856.0	; 1/9/1991			a. 11			•				
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	[]	·			3840						
3,857.6			4	7.465			<i>(b</i>				
Perf; 3,856.0-3,866.0	· []			-0							
3,001				\la	1991		•				
	ĺ	•		1/21	,	,					
Pump Seating Nipple							•				
3,876.0; 1.10; 2.7/8; 2	2.250; 1-4										
Perforated Joint; 3,87											
3,879.0; 3.00; 2.7/8; 2	441; 1-5										
										Ì	
Mud anchor; 3,879.0-				•				K	CC WICH	-IITA	
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