KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Boyotte Side)

Completion Date Plug Back Total Depth 3600 Packer Set at NONE	Type Test	t;			(See instruci	tions on He	rerse Sid	e)					
Company HERMAN L. LOEB, LLC. Company Location Section TWP RNG (EW) Acres Attribute RENO CNESE 8 2SS 5W Acres Attribute RENO CNESE 8 2SS 5W Acres Attribute RENO CNESE 8 2SS 5W Acres Attribute RENO Completion Date Place Pla			v											
County Company County	Company		-		8-283-2	2012		`				Well N	umber	
Field Completion Date South WEST MISSISSIPPI MISSISSIPPI Gas Cathering Connection MISSISSIPPI MISSISSIPPI Gas Cathering Connection MID KANSAS GATHERING Completion Date 3-1-84 3600 Pipe Back Total Depth Packer Set at 3-1-84 3600 NONE Coang Size Weight Internal Diameter Set at Perforations To ASSI ASSISSIPPI Mississippi Size Weight Internal Diameter Set at Perforations To ASSIS ASSISSIPPI MISSISSIPPI MISSISSIPPI MID Total Production Tubing Size Weight Internal Diameter Set at Perforations To ASSISSIPPI MISSISSIPPI MISSISSIPPI MISSISSIPPI MISSISSIPPI MISSISSIPPI MID Total Production Pump Unit or Traveling Plunger? Yes / No PUMPING Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMPING The Pump Unit or Traveling Plunger? Yes / No PUMP IN The Pump Unit or Traveling Plunger? Yes / No PUMP IN The Pump Unit or Traveling Plunger? Yes / No PUMP IN The Pump Unit or Traveling Plunger? Yes / No PUMP IN The Pump Unit or Traveling Plunger? Yes / No PUMP IN The Pump Unit or Traveling Plunger? Yes / No PUMP IN The Pump Unit or Traveling Plunger? Yes / No PUMP IN The Pump Unit or Traveling Plunger? Yes / No PUMP IN The Pump Unit or Traveling Plunger? Yes / No PUMP IN The Pump Unit or Traveling Plunge				ation	on Section					W)	#3	Acres	Attributed	
Pug Back Total Depth Packer Set at 3600 NONE NONE	RENÓ C NE S			SE					5 W		notion.			
Internal Diameter Set at Perforations To OPEN		SOUTH	I WEST	ALCOHOLOGO TO THE STATE OF THE				-		•			RE	
Internal Diameter Set at Perforations To OPEN	•	on Date			•	k Total Dept	th			et at			DEC	
Internal Diameter Set at Perforations To OPEN	•												KCC IA	
Type Completion (Describe) SINGLE GAS, WATER Pump Unit or Traveling Plunger? Yes / No PUMPING Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G _g ANNULUS Vertical Depth(H) Pressure Taps (Meter Run) (Proven 9 3 43470 Pressure Buildup: Shut in 8-2 20 12 at 8 (AM) (PM) Taken 8-3 20 12 at 8 (AM) (PM) Taken 20 at (AM) (PM) Taken Started Orfice Size Proven Pressure (Inches H, 0) Pressure Gas Gravity - G _g ANNULUS OBSERVED SURFACE DATA Ouration of Shut-in 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tubing Size		Weight		Internal Diameter		Set at		Perforations					
Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G _g ANNULUS Vertical Depth(H) 3470 Pressure Taps (Meter Run) (Prover) \$ 3470 Pressure Buildup: Shut in 8-2 20 12 at 8 (AM) (PM) Taken 8-3 20 12 at 8 (AM) (PM) Well on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM) Taken 20 at (AM) (PM) State / Orifice Size (Inches) Prover Pressure Differential Flowing (Inches H ₂) of Pressure Prover Pressure (Inches) Inches H ₂) Shut-in Flow Fl					Type Flui	Type Fluid Production						s / No		
NANULUS Vertical Dopth(H) 3470 Pressure Buildup: Shut in 8-2 20 12 at 8 (AM) (PM) Taken 8-3 20 12 at 8 (AM) (PM) Well on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM) State / Orifice Size (Inches) Prover Pressure Prover Prossure paig (Pm) Inches H₂0 Shut-In Shut-In Shut-In Inches H₂0 Shut-In Shut-In Shut-In Shut-In Inches H₂0 Shut-In Shut-In Shut-In			Appulue / Tubi				do				Cool	Crouity		
Pressure Buildup: Shut in 8-2 20 12 at 8	ANNUL Vertical D	US	- Tillian Fiable						76 INTOG					
Static / Orifice Meter Orpramic Flowing Flowing Flowing Flowing Factor Factor Flow Frour Pressure Flow Factor Fac	3470		Ω	2	12 R		·		2		12 Ω			
State / Orifice Dynamic Size Property (inches) Pressure psig (Pm) Pm, x h Pressure psig (Pm) Pm, x h Pressure psig (Pm) Pm, x h	Pressure Buildup:											·		
Static / Orifice Dynamic Proper Pressure Proper Pressure Proper Pressure Proper Proper Pressure Inches H ₂ O Pressure Inches Inches H ₂ O Pressure	Well on L	ine:	Started		20 at	17	(AM) (PM)	Taken		20	at		(AM) (PM)	
State / Orifice / Orifice / Orifice / Original / Orifice / Original / Orifice / Orific						OBSERVE	D SURFACE	DATA			Duration of Shu	ut-in	Hour	
Shut-In 300 24 Flow STREAM ATTRIBUTES Plate Coefficient (F ₂) (F ₂) (F ₃) (F ₂) (P ₂) ²	Dynamic	Size	Meter Prover Pres	Differential in	Temperature	Temperature Temperature		Wellhead Pressure (P _w) or (P _I) or (P _c)		Wellhead Pressure (P _w) or (P ₁) or (P _c)				
FLOW STREAM ATTRIBUTES Plate Coefficient Meter or Press Extension Factor Factor Factor Fin Fin Fin Factor Fin	Shut-In							psia	psig	psia	24			
Plate Coefficient (F _b) (F _g) metror Pressure psia P _m xh P _m	Flow													
Coefficient (F _b) (F _p) Mcfd Prover Pressure psia (OPEN FLOW) (DELIVERABILITY) CALCULATIONS (OPEN FLOW) (DELIVERABILITY) CALCULATIONS (P _w) ² = (P _w						FLOW STR	EAM ATTR	BUTES						
$P_{c})^{2} = \frac{(P_{w})^{2} = (P_{w})^{2}}{(P_{c})^{2} \cdot (P_{w})^{2}} = \frac{(P_{w})^{2} = (P_{w})^{2}}{(P_{c})^{2} \cdot (P_{w})^{2}} = \frac{(P_{w})^{2} = (P_{w})^{2}}{(P_{c})^{2} \cdot (P_{w})^{2}} = \frac{(P_{w})^{2} = (P_{w})^{2}}{(P_{w})^{2} \cdot (P_{w})^{2}} = \frac{(P_{w})^{2} \cdot (P_{w})^{2}}{(P_{w})^{2} \cdot (P_{w})^{2}} = \frac$	Coefficient (F _b) (F _p)		Meter or Prover Pressure	Extension	Extension Factor		Temperature Factor		actor	R	(Cubic	Feet/	Flowing Fluid Gravity G _m	
$P_{c})^{2} = \frac{(P_{w})^{2} = (P_{w})^{2}}{(P_{c})^{2} \cdot (P_{w})^{2}} = \frac{(P_{w})^{2} = (P_{w})^{2}}{(P_{c})^{2} \cdot (P_{w})^{2}} = \frac{(P_{w})^{2} = (P_{w})^{2}}{(P_{c})^{2} \cdot (P_{w})^{2}} = \frac{(P_{w})^{2} = (P_{w})^{2}}{(P_{w})^{2} \cdot (P_{w})^{2}} = \frac{(P_{w})^{2} \cdot (P_{w})^{2}}{(P_{w})^{2} \cdot (P_{w})^{2}} = \frac$													<u> </u>	
Choose formula 1 or 2: 1. P _c ² - P _a ² 1. P _c ² - P _a ² 2. P _c ² - P _a ² divided by: P _c ² - P _a ² Defiverability Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia	D 12		· /P \2		•	• `							207	
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	(P _c) ² - (F	P_) ²		Choose formula 1 or . 1. Pc P 2	LOG of formula		Backpres Slop	ssure Curve e = "n"	•	og		O	eliverability	
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	(P _c) ² - (F	P _a) ²			and divide	P.2-P.2	Ass	signed				Equal		
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														
	•										<u>:</u>			
, 20, 20, 20, 20											rt and that he l			
	ie iauts Si	idieu IIIe	rem, and mat	οαια τεμοτί το τη	e and correc	i. EXECUTED	uns me		uay or	D 4		,	ZU	
Witness (if any) For Company			Witness	s (if any)			_		سد	TS/Force	ompany			
Far Commission Checked by			For Con	nmission			_			Chec	ked by			

DEC 1 9 2012

	KCC WICHITA
	der Rule K.A.R. 82-3-304 on behalf of the operator HERMAN L. LOEB, LLC
	going pressure information and statements contained on this application form are true and
of equipment inst	t of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the NORRIS*3
	rounds 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: 8-15-12	y to correspond to the state of exemption norm testing.
Dale. 0 10 12	
	Signature: Rlund

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.