## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

HERMAN L. LO County KINGMAN Field NEGRO CREE Completion Date 5-20-83	DEB, LLC. Locat C SW I		Test Date 8-2&3-2					No. 15 195-21338-0	10-00	
Company HERMAN L. LO County KINGMAN Field NEGRO CREE Completion Date 5-20-83	DEB, LLC. Locat C SW I		8-2&3-2	013			15-0	05_21338_0	NO_NN	
Company HERMAN L. LC County KINGMAN Field NEGRO CREE Completion Date 5-20-83 Casing Size	Locat C SW I							33-21330-0		
KINGMAN Field NEGRO CREE Completion Date 5-20-83	C SW				Lease VOTH				#1	Well Number
NEGRO CREE Completion Date 5-20-83	K SOUTH				28S (		RNG (E/W) 6W			Acres Attributed
5-20-83	Field NEGRO CREEK SOUTH			Reservoir INDIAN CAVE			Gas Gath	ering Conne	ection	
Casing Size	•			Plug Back Total Depth 2093			Packer Set at NONE			
4.5	Weight 10.5		Internal Diameter 3.927		Set at <b>2108</b>		Perforations 2026		то <b>2030</b>	
Tubing Size 2.375	Weight 4.70		Internal Diameter 1.995		Set at <b>2065</b>		Perforations OPEN		То	
Type Completion	Completion (Describe)		Type Flui	d Production	n		Pump Unit or Traveling PUMPING		Plunger? Yes	/ No
Producing Thru (Annulus / Tubing)  ANNULUS			% C	% Carbon Dioxide			% Nitrogen Gas Gravity - G <sub>g</sub>			
Vertical Depth(H)	)			Pres	sure Taps				(Meter	Run) (Prover) Size
Pressure Buildup	: Shut in 8-2	2	0 13 at 8		(AM) (PM) T	aken_8-	3	20	13 <sub>at</sub> 8	(AM) (PM)
Well on Line:										(AM) (PM)
				OBSERVE	D SURFACE	DATA			Duration of Shut	-in Hours
Static / Orifice Size Property (inches) Circle one:  Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H <sub>2</sub> 0	Differential Temperature Temperat		Wellhead Pressure  (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
Shut-In	poig (t m)				310	psia	psig	psia	24	
Flow										
+		T		FLOW STR	EAM ATTRIB	UTES			<u> </u>	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	Coefficient Meter or Extension $(F_b)(F_p) \qquad Prover Pressure \qquad P_x h$		Gravity Factor F <sub>g</sub>		Flowing Temperature Factor Fin  Fin  Deviation Factor Factor Fpv		ctor	Metered Flow R (Mcfd)	GOR (Cubic For Barrel	eet/ Fluid Gravity
P <sub>c</sub> ) <sup>2</sup> =	: (P) <sup>2</sup> =	·1	•		<b>ERABILITY) (</b>		ATIONS 14.4 =	:		) <sup>2</sup> = 0.207 ) <sup>2</sup> =
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2:  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> · P <sub>w</sub> <sup>2</sup>	Backpress Slope o Assig Standard	ure Curve = "n" r	n x L	ГЛ	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flow		Mcfd @ 14.	65 psia		Deliverabili	ty		1	Mcfd @ 14.65 ps	sia
-	•								rt and that he h	as knowledge of
ne facts stated the	erein, and that s	aid report is true	and correc	t. Executed	this the 10		day of Al	JGU31	01.	, <sub>20</sub> <u>13</u> .
	Witness (	if any)					<u> </u>	For C	company KANSAS	RECEIVED CORPORATION COM

exempt status und and that the foreg correct to the best of equipment insta I hereby reque	er Rule K.A.R. 82-3-304 on behalf of the operator HERMAN L. LOEB, LLC bing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records lation and/or upon type of completion or upon use being made of the gas well herein named. It is a one-year exemption from open flow testing for the VOTH bunds 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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: <u>8-15-13</u>	Signature: Rlad Title: SUPT.

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 forms GENEGELYSD be signed and dated on the front side as though it was a verified report of annual test results. KANSAS CORPORATION COMMISSION