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

Type Test:			(See Instructions on Reverse Side)									
Open Flow												
Deliverability			Test Date: 1-31-2011 API No. 15						5-20,614	-00-00		
Company						Lease					Well Number	
Vamco Operations				Harley							1	
County Location				Section TWF			RNG (EW)			Acres Attributed		
		C SE	NW	7		23		9 W			80	
Field <sub>F</sub>	innte	ville		Reservoir	T				ering Conne			
				MISS					<u>hita Gas</u>			
Completion Date			Plug Back Total Depth 3695				Packer S	र्श हो				
10-25-1979 Casing Size Weight			Internal D		Set at	Set at Perfora		ations	To			
	4.5 10#			4.5		3685				596		
	Tubing Size			Internal Diameter		Set at		Perforations		То		
	2.375 4.7			2.		360	3600'					
Type Completion (Describe)			Type Ruid Production				Pump Uni	it or Traveling	Plunger? Yes	/ No		
ingle					Gas & Water				no % Nitrogen Gas Gravity - G			
-		nnulus / Tubing	1)	% C	arbon Dioxi	de		% Nitroge		Gas G	avity - G <sub>e</sub>	
	ubin	g										
Vertical D	epth(H)				Pres	sure Taps				(Meter	Paun) (Prover) Size	
Pressure	Buildup:	Shut in Jan	1	40 11 ai 8	:00	(CO)(PM)	Taken	Jan 3	B <sub>20</sub>	11 ai 8:00	(PM)	
	•					(AM) (PM) Taken				at .	(AM) (PM)	
Well on Li	ne:	Sianeo	4	au &		(was) frail	take:					
					OBSERVE	D SURFACE	DATA			Duration of Shut	in 24 Hou	
Static /	Orifice	Circle att	Pressure	i Howang i Well Head		Casing		Tubing		Ossation	Liquid Produced	
Dynamic	Size	Proper Pressu	(Mierential in	Temperature	8 -	Wellhood Pressure P_1=P_)=P_1		Wellhead Pressure (P_) = (P_) = (P_)		(Figures)	(Barrels)	
Property	(inches)	psig (Pm)	Inches H <sub>2</sub> 0	t	<b>t</b>	psig	psia	psig	psia		1	
Shut-In	.50	0			50	320#		320#	and and a second second	24	none	
Flow					The second second			Property Commence	Design Const.		Market Comment	
L				<u> </u>	FLOW STR	EAM ATTRI	BUTES	.1				
Plate		Cerse one:	Press			Flowing	_				Flowing	
Coeffieci	ent	Meter or Exte		Gran Fac	4 7	Temperature		Mation Misos	Metered Flor R	©OR (Cubic Fe	Fluid	
(F <sub>b</sub> ) (F	p* ;	Prover Pressure Osia	Pah	F,		Factor F <sub>ii</sub>		F <sub>a</sub>	(Mcid)	Barrei	Gravity G_	
IVICIO		· ·			7	- 12	-					
							Ä	P	· · · · · · · · · · · · · · · · · · ·			
		450 hT		•	, ,	ERABILITY)				₽.	P = 0.207 P =	
$(P_c)^2 = $			Choose is much for			1		14.4 =		<i>0</i> , ⊄	· -	
$(P_c)^2 - (P_p)^2$		(P_)2-(P_)2	2)2-(P)2 1. P2-P2			Backpressure Curv Slope = "Yr"		n x LOG		especial Company	Open Flow Deliverability	
(P <sub>E</sub> ) <sup>2</sup> - (F		2. P2-P2		Lorz		Assigned		- 1 turn		Antilog	Equals R x Antilo	
(P <sub>c</sub> )(t	-		massay: P2-P	and divise	P.2-P.2		rd Slope		L 3		(Mcfd)	
32444								N. S.			S	
<b> </b>					-	1					-	
Open Flor	31-54 S 1		4.65 psia		Deliverability		Mictri € 14.65 psia			<u>                                     </u>		
- Charles - Andrews - Andr												
										art and that he h		
the lacts s	tated the	rein, and that sa	uid report is tru	e and correc	t. Executed	this the	30 t	May of	January	<del></del>	, 20 1 2	
•				RECEIVED				Vamco Operations				
Wilmess (il any)				MAR @ 2 2012			12	ForCampany				
***		7 ^	ionian		9-99-38				· · ·	cked by		
		For Comm	USS ALFE		KCC	WICHI	TA		VI.			

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to reexempt status under Rule K.A.R. 82-3-304 on behalf of the operator	ue and ecords							
(Check one)								
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								
I further agree to supply to the best of my ability any and all supporting documents deemed by Constatt as necessary to comborate this claim for exemption from testing.	nmission							
Date: 12-30-2012	CEIVED							
MAR	0 2 2012							
KCC	WICHITA							
Signature: John Million Owner  Title:								

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.