KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:					(See Instru	ctions on Re	verse Sid	le)					
Open Delive	Flow erabilty			Test Dat	Test Date: API No. 15 15-0252106								
Company Hartman Oil Company					Lease Tuttle			1-18			Well Number		
County Location Clark SE/4			Section	Section		TWP 35S		E/W)	Acres Attributed				
Field Harper Ranch				Reservoi Morrow				Gas Gathering Connection DCP Midstream					
Completion Date 3-16-91				Plug Bac 5738'	Plug Back Total Depth 5738'			Packer NONE					
Casing Size 4 1/2"	asing Size Weight 1/2" 10.5#			Internal I 4.052"	Diameter	Set at 5799'		Perforations 5624'		то 5647'			
Tubing Size 2 3/8"				Internal I 1.995"		Set at 5621'		Perforations NA		То			
Type Comple Single Zon				Type Flui Water	id Productio	าก			Jnit or Traveling	g Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing) Annulus				% C 00.0	% Carbon Dioxide			% Nitro	gen	Gas Gravity - G _o .820			
Vertical Depth	h(H)		<u>.</u>	,	Pres	sure Taps			· · · · · · · · · · · · · · · · · · ·		Run) (Pi	over) Size	
Pressure Buildup: Shut in 4-3			10 at 9	10 at 9:00 (PM)			4	20	10 at 9:00		AM) (PM)		
Well on Line:	:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
					OBSERVE	D SURFACE	DATA			Duration of Shut	-in	Hours	
Dynamic S	rifice Size iches)	Circle one: Meter Prover Press psig (Pm)	1	Flowing Well Ho Temperature Tempera t		Wallhaad Praceur		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-in						35#							
Flow								<u> </u>			<u> </u>		
		 .	T		FLOW STF	REAM ATTRI	BUTES		<u> </u>				
Plate Coeffictient (F _b) (F _p) Mcfd	1	Circle one: Meter or ver Pressure psia	Press Extension P _m xh	Extension Fact		Flowing Flow Factor Fundaments	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	(Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
°c)² =	:	(P _w) ² =	:	(OPEN FLO		ERABILITY)	CALCUL - 14.4) +		:	(P _a)	²= 0.20 ²=	7	
$(P_c)^2 - (P_a)^2$ 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: $P_c^2 - P_w^2$	se tormula 1 or 2: Pc-Pa tormula Pc-Pd tormula 1. or 2. and divide		Backpret Slop Ast c Standa		n x	rog	O _l Antilog Equals		en Flow verability R x Antilog Mcfd)	
												·····	
pen Flow			Mcfd @ 14.6	65 psia		Deliverabil	ity	•		Mcfd @ 14.65 psi	a		
The under	rsigned	authority, or	n behalf of the	Company, st	tates that h	•	1	make th	ne above repor	rt and that he ha			
facts stated	l thereir	n, and that sa	aid report is true	and correct	. Executed	this the	<u>*</u> ,	day of	UCTOB.	`	, 2	o <u>/ D</u> .	
		Witness (i	f any)			_	١٨٠	- W	For Co	ompany	4	RECEIV	
· · · · ·		For Comm	ission						Chec	ked by		CT 1 3	

KCC WICHITA

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Handward Oil Co. Inc. and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Subtraction of the gas well on the grounds that said well:
(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 a source of flatting gas for injection into all oil reservoir undergoing Entries on vacuum at the present time; KCC approval Docket No. Obs (1) NS - O13- (VA)
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date: 10 (1) 10
Signature: J.T. Wulduth Title: V.P. Juld Operation

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.

RECEIVED OCT 1 3 2010

KCC WICHITA