KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:				(9	See Instructi	ions on Rev	verse Side)	ı				
Open Flow				Test Date: 11/20/2011				API No. 15-007-21,418-0000					
Del	liverabi	lty				1744/2					•		
Company Hayes O		as L	LC				Lease Thomps	son			A2	Vell Numi	ber
County Barber			Location C W2 I		Section 13		TWP 32		RNG (E/W) 10W		<i>,</i>	Acres Attributed	
Field Sharon				<u>-</u> -	Reservoir Mississippi				Gas Gathering Con Pioneer Ex		loration	LC	
Completio	on Date	е			Plug Baci 4390	Total Dept	h		Packer S	et at	,		
Casing Size 5 1/2		•	Weight 15.5		Internal Diameter		Set at 4381		Perforations		То		
Tubing Size 2 7/8"		Weight 6.5		Internal Diameter		Set at		Perforations 4359-68		То	То		
Type Com	pletion) (De	escribe)		Type Flui	d Production				nit or Traveling		/ No	
Producing	Thru	<u>Ја</u> (Апг	s) nulus / Tubing)		arbon Dioxi			% Nitrog	ping U	Gas Gra	avity - G	
Anni	1												
Vertical D	epth(H)				Pres	sure Taps				(Meter F	≀un) (Pro	ver) Size
Pressure	Buildu	p: :	Shut in	20 2	0_11_at	-	(AM) (PM)	Taken 11	/21	20	11 at	(Al	M) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(Al	M) (PM)
						OBSERVE	D SURFAC	E DATA	,		Duration of Shut-	in	Hours
Static / Orific Dynamic Size Property (inches		te Prover Pressure			Flowing Temperature t	Well Head Temperature 1	Cas Wellhead (P _w) or (F		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		•	psig (Pm)	Inches H ₂ 0			210. 9	225.3	psig	psia	24		
Flow													
						FLOW STR	REAM ATTR	IBUTES		· · · · · · · · · · · · · · · · · · ·			····
Plate Coeffictient (F _b) (F _p) Moft		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Grav Fac F	tor 1	Flowing Femperature Factor F _{II}	Deviation Factor F _p ,		Metered Flow R (Mctd)	w GOR (Cubic Fe Barrel)	at/	Flowing Fluid Gravity G _m
(P _c) ² =		:	(P _w) ² =	:	(OPEN FL	VIJAG) (WO		') CALCUL P _e - 14.4) +		<u>;</u>	(P _a);	2 = 0.207 2 =	7
(P _e) ² - (I	P_)²	(F	P _o) 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: $P_c^2 - P_w^2$	LOG of formula 1, or 2, and divide	P.2 - P.2	Backpre Slo	essure Curve pe = "n" - or ssigned lard Slope	1	rog	Antilog	Delive Equals F	n Flow erability 3 x Antilog fictd)
Open Flo				Mcfd @ 14	.65 psia		Deliveral	oility			Mcfd @ 14.65 psi	<u> </u>	
			at a catalog to					•					
		•	•	i behalf of the		t. Executed		C+L	_	ecember	ort and that he ha		11 .
	•		Witness (if			DEC 2	3 2011		7	For	Company		
			For Comm	ssion						Che	cked by		

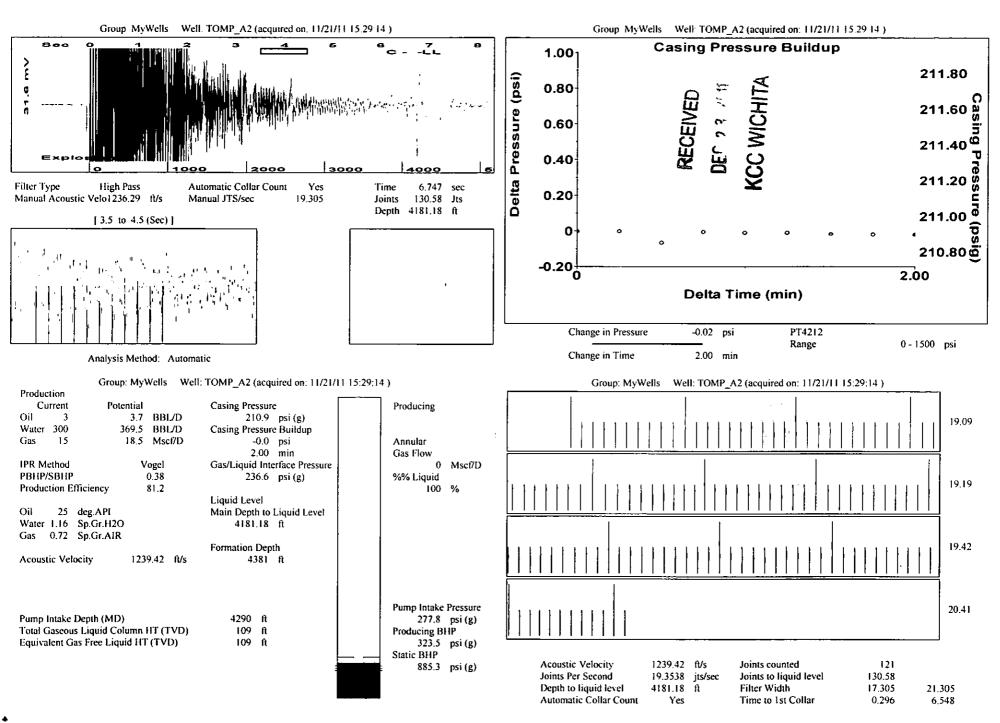
KCC WICHITA

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 Hayes Oil and Gas LLC 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 Thompson A2 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 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 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.
RECEIVED DEC 7 3 2011 KCC WICHITA Signature: Shayne 1. 9 Joyne Title: production Superintendent

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.



Hayes Oil and Gas L.L.C

P.O. Box 108

Attica, KS. 67009

Conservation Division

Finney State Office Building

130 S. Market Rm. 2078

Wichita, KS. 67009-0108

R.E. Tests for Thompson A Lease and Werner Lease

Dear Mr. Hemmen:

Please find the enclosed tests for the Thompson A lease (Barber Co.) and the Werner (Harper Co). The test for the Thompson B lease will be sent shortly.

Please let apologize for the delay. The fluid levels and shut-ins were done back in the 11th month, but because of an error on my part they were not sent in.

Sincerely,

Shupe 1. 9 hoyse Shayne G. Hayes

Production Superintendent

RECEIVED

DEC 23

KCC WICHITA