KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			(See inst	ructions on Re	verse Side)					
□ Ор	en Flow			Test Date	۸-			API	No. 15				
Oel	liverabilly	•		3-15-13					ND. 13)77-00983-(0000			
Company Frank J.		il Operation	ns, Inc.			Lease Hale				,	Well Numb	er	
County Location Harper SW NW SW SW			Section 18		TWP 32			W)	Acres Attributed 40		ibuted		
Field Sharon				Reservoi Mississi				Gas Gathering Conne Pioneer Exploration					
Completion Date 9-30-55				Plug Bac	k Total C 360'	Depth	ı Pa		et at				
Casing Size Weight 5-1/2" 15.5#			Internal Diameter 4.950"			Set at 4358 '		rations 40'	To 4352'				
Tubing Size Weight 2-7/8" 6.5#			Internal Diameter 2.441"			Set at 4335'		rations 25'	To 4328'				
Type Completion (Describe) One Pay Zone (Mississippi)				Type Flui Salt wa			Pum		ump Unit or Traveling Plunger's Pumping Unit		er? Yes / No		
	-	nnulus / Tub	• •		arbon D			% Nitrogi	·····	Gas Gr	avity - G	······································	
SW & o Vertical D		ubing;gas	thru annulus		P	ressure Taps				(Meter	Run) (Prov	er) Size	
Pressure	Buildup:	Shut in	3-14	13 _{at} 9	:00 AM	(AM) (PM)	Taken	3-15	20	13 _{at} 9:00 A	M (AN	/) (PM)	
Nell on L	ine:	Started		20 at		(AM) (PM)	Taken		20	at	/AA)	/) (PM)	
				•	OBSEF	RVED SURFAC	E DATA	T		Duration of Shut-	in	Hours	
Static / Dynamic Property	Orifice Size (inches)	Circle on Mater Prover Pres psig (Pri	Differential in	Flowing Temperature t				Wellhes (P_) or	ubing ad Pressure (P ₁) or (P _c) psia	Duration (Hours)		uid Produced (Barrels)	
Shust-In	 		7	 		psig 148	psia	psig	Isa				
Flow													
					FLOW S	STREAM ATTR	IBUTES						
Plate Coeffiect (F _p) (F Mcfd	ent (Circle one: Meter or Prover Pressure psia	Press Extension P _m xh	Grav Fac F	tor	Flowing Temperature Factor Fe	Fa	iation ctor : pv	Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _a	
				(OPEN FL	OW) (DE	LIVERABILITY	CALCUL	ATIONS					
P _c)² =		(P _w) ²		P _d =			- 14.4) +			(P _a)	2 = 0.207 2 =		
(P _c) ² - (f or (P _c) ² - (f	5°)5	(P _c) ² + (P _w) ²	Choose formula 1 or 2: 1, P _c ² - P _c 2, P _c ² - P _c Childred by: P _c ² - P _c ² Childred by: P _c ² - P _c ²		P2. P2		ressure Curve ope = "n" nor ssigned idard Slope		.oc []	Antilog	Deliver Equals R	Open Flow Deliverability Equals R x Antilog (Mcfd)	
													
Open Flow Mcfd @ 14.65 psia Delive								ability Mcfd @ 14.65 psia					
The u	ındersigr	ed authority,	on behalf of the	Company,	states tha	at he is duly a	uthorized t	o make th	e above repo	ort and that he ha	as knowled	ige of	
e facts s	tated the	rein, and that	said report is tru	e and correc	t. Execu	ted this the		day of			, 20		
		Witnes	s (if any)	·					Fort	Company	<u>.</u>		
					<u>.</u>					also d bu	F	RECEI	
		For Ca	mission						Cha	cked by	_	AR 7	

KCC WICHITA

exempt status und and that the foreg correct to the bes of equipment insta I hereby requ	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Frank J. Black Oil Operations, Inc. going pressure information and statements contained on this application form are true and tof 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 Hale Lease #1 ounds 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 et 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: 3-18-1	Signature:

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
MAR 2 5 2013
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