Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	: тео:	_		•	· · · · · · · · · · · · · · · · · · ·	'See Instru	ctions on Re	verse Side	e)					
1	en Flov	,			``			•		, •				
Deliverabilty				Test Date: 12 -2 2-15			API No. 15 15-175-2116			1000				
Company					12-22-1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	^ Lease			, ,,		Well Nu	mber	
H.J. INC				•				IN LEIGH	1		. 1			
County Location SEWARD SE/4			1	Section 6		TWP 32S			N) · ·	. Acres Attributed		attributed		
Field LARRABEE				Reservoir CHEST					Gas Gathering Connection ONEOK			MARKATAN PARENTAN		
Completion Date 4-1-91				Plug Back Total Depti 6155				Packer S NONE	et at			and the second second second second		
Casing Size Weigh 4.5 10.5			Weight 10.5	Internal Diameter 4.090			Set at 6155		Perforations 6016		To 6040			
Tubing Size 2.375			Weight 4.7	Internal Dia 1.995		Diameter	meter Set at 6140		Perforations		To			
Type Completion (Describe) SINGLE GAS				Type Flui WATE	d Production	on	Pump Unit or Trav YES-PUMP			eling Plunger? Yes / No				
Producing Thru (Annulus / Tubing) ANNULUS				% C	Carbon Diox	xide	e % Nitrogen		en	Gas Gravity - G _g .700				
Vertical D)				Pre	ssure Taps					Run) (Pr	rover) Size	
6028	-						NGE		,		3.068	U 		
Pressure Buildup: Shut in 12-21-15			1-15 2	5 20 at 1015			(AM) (PM) Taken 12-22		20	at 1015	(AM) (PM)		
Well on Li	ine:	;	Started	2	0 at		_ (AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERV	ED SURFAC	E DATA			Duration of Shut-	in 24.	0 tlours	
Dynamic Si		fice Circle one: Meter ze Prover Press		Pressure Differential	Flowing Temperature		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced ((Barrels)	
Property	(inche	:5)	psig (Pm)	Inches H ₂ 0	't	t	psig	psia	psig	psia	· · · · · · · · · · · · · · · · · · ·		annik makain are menik	
Shut-In	<u> </u>						121.0	135.4			24.0		#\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Flow														
						FLOW ST	REAM ATTR	IBUTES						
Plate		· Circle one:		Press	Grav	vitv	Flowing	Flowing Dev		Metered Flo	w GOR		Flowing	
Coeffiectent (F_p)		Meter or Prover Pressure		Extension	Fac	tor	Temperature Factor	Fa	ctor	R	(Cubic Fe		Fjuld Gravity	
Mofd		psia		√ P _m xh	۶	9	F _{tt}	F	ру	(Mcfd)	Barrel)		G _m	
					(OPEN FL	OW) (DELI	VERABILITY			- pane) ² = 0.29	07	
(P _c) _s =		. :	(P _*) ² =	poose formula 1 or 2		, , , , , , , , , , , , , , , , , , ,	_% (F	o _c - 14.4) +	14.4 =		(P _d)	2.= 		
(P _c) ² ~ (P ₈) ²		(P _c) ² - (P _w) ²		1. P _c ² -P _a ²	LOG of			Backpressure Curve Slope = "n"		og 🗍		Open Flow Deliverability		
or $(P_a)^2 - (P_a)^2$				2. P _c ² - P _d ² 1_or 2. and divide		D 2 D 2		Assigned		.00	Antilog	Equals	R x Antilog	
· · · · · · · · · · · · · · · · · ·	o, Kansas	R CORE	ORATION COMMIS	SHOW P.2 - P.	2 ± y:	P _c ² - P _w ²		ard Slope				<u> </u>	(Mcfd)	
1		EC	; 3 0 20 <mark>15</mark>	<u> </u>										
£, ,			VATION DIVISION	NI.					1-					
Open Flor			ICHITA, KS	Mcfd @ 14.	65 psia		*Deliverat	oility			Mcfd @ 14.65 ps	ia		
The u	ındersi	gned	l authority, on	behalf of the	Company, s	states that	he is duly at	uthorized t	o make th		ort and that he ha		ledge of	
the facts st	tated th	erei	n, and that said	d report is true		D	-2					,	20 15 .	
		CO	PY TO KC	C WICHIT	A KANS	AS CORPORA	TION COMMISSI	ON PRE	CISION	WIRELIN	E AND TEST	'ING		
	·		Witness (if a	iny)		DEC 3) 2015 T			ror	Company			
			For Commiss	sion	CC	DNGES AS	The DEVISION.		M	ARK BROC	K cked by			
						Win 4. j	CASION.							

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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 H.J. 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 AUTUMN LEIGH 1
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
Lfurther 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: 13-28-15
·
Signature: Kenneth Rang. Title: Viefresident
Title: Viegresident

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.