July 2014

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:		J.I.E		(ABILIZI		tions on Re			INADILIT				
 Open Flow✓ Deliverabilty				Test Date: 08-25-2015			API No. 15 151-191-22518-0000							
Company B5 Operating, LLC				Lease Hemberger			erger		#4	Well Number				
County Location Sumner N1/2 NE1/4 NV				Section 18		TWP .			W)		Acres 40	Attributed		
Field Love Three					Reservoir Elgin Sand			Gas Gathering Con Atlas Pipeline			ection	-		
Completion Date 10-19-2007					Plug Bac 2524	k Total Dep	th	Packer Set at N/A		et at				
Casing Size 4 1/2			Weight 10.5#		Internal Diameter, 3.875		Set at 2524		Perforations 2468		то 2474			
Tubing Size 2 3/8			Weight		Internal Diameter		Set at 2480		Perforations N/A		То			
Type Completion (I Pumping					Type Flui Sait Wa	d Productio				it or Traveling Jnit	Plunger? Ye	s / No		
Producing Thru (Annulus / Tubing) Tubing, Casing				% Carbon Dioxide				% Nitrog		Gas Gravity - G _g				
Vertical D						Pres	ssure Taps				(Mete	r Run) (F	Prover) Size	
Draccura	Builde		Shut in 08-2	25	ຸ 15 ູ 8	am	/ANA\ (DNA\	Tokan 08	3-27		15 _{at} 12 pr	n	(ANA) (DNA)	
Well on Line:											at			
						OBSERVE	ED SURFAC	E DATA			Duration of Shu	ıt-in	Hours	
Static / Dynamic Property	Orif Siz (inct	Z 8	Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H,0	Flowing Well Hea		e (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liqu	Liquid Produced (Barrels)	
Shut-In	t-In		200#	inoned 1129			200	214.4	psig	psia	52			
Flow														
Plate		1	Circle one:		T	FLOW ST	Flowing	HBUTES	-1	-			Flouries	
Coefficient (F _b) (F _p) Mcfd		Pro	Meter or Pressure psia		Gravity Factor F _g		Temperature Fa		viation Metered Flow actor R F _{pv} (Mcfd)		w GOI (Cubic I Barre	eet/	Flowing Fluid Gravity G _m	
							·							
(P) ² =			(P)2=	;	(OPEN FLO		/ERABILITY % (1	') CALCUL P _o - 14.4) +				$(a)^2 = 0.$ $(a)^2 = $	207	
$\frac{(P_o)^2 = }{(P_o)^2 - (P_o)^2}$ or $(P_o)^2 - (P_o)^2$		(P _o) ² - (P _w) ²		Chaose formula 1 or 2 1. P _c ² -P _a ² 2. P _c ² -P _c ² divided by: P _c ² -P _a ²	LOG of formula 1, or 2, and divide	P _c ² - P _w ²	Backpressure Curve Slope = "n"		n x I	.og []	Antilog	C De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow Mcfd @ 1-			- Mcfd @ 14.			 Deliveral	Deliverability 19		Mcfd @ 14.65 psia					
		-		behalf of the			•			·	ort and that he		vledge of 20 15 .	
			Witness (if	апу)	KANSAS CO	Received ^{१-भुन्नभुमा} C	OMMISSION		d	For (Company			
			For Commi	ssion	JA	N 0-4- 2	016			Che	cked by			

CONSERVATION DIVISION WICHITA, KS

	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator <u>B5 Operating</u> , LLC								
_	ng pressure information and statements contained on this application form are true and fmy knowledge and belief based upon available production summaries and lease records								
	ation and/or upon type of completion or upon use being made of the gas well herein named.								
- ·	t a one-year exemption from open flow testing for the Hemberger #4								
gas well on the grou									
gas well on the groun	nds that said well.								
(Check or									
is	is a coalbed methane producer								
	s cycled on plunger lift due to water								
is	s a source of natural gas for injection into an oil reservoir undergoing ER								
is	s on vacuum at the present time; KCC approval Docket No								
√ is	s not capable of producing at a daily rate in excess of 250 mcf/D								
_	o supply to the best of my ability any and all supporting documents deemed by Commission o corroborate this claim for exemption from testing.								
Date: <u>12-29-2015</u>									
	Received 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.