KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:						(See Instru	ctions on A	leverse Sid	le)				She
	pen Flo eliverat					Test Dat	e:			AF 15	Pi No. 15 i-097-20162-	- /20 00		10
Compan Abercro		Ener	gy, LLC	-			-	Lease Bertra	m			#1	Well N	lumber
County Kiowa	٨	125	S QNE	ıtion		Section 14		TWP 28S		RNG (E	E/W)		Acres 640	Attributed
Field Hardy			1			Reservoi Misissip				Gas Ga Oneol	athering Conr	nection	-	RE
Completi 4/14/73	on Da	te				Plug Bac 4834'	k Total De	pth		Packer None	Set at			DEC
Casing S 5 1/2"	Size		Weig 15.5			Internal I 4.995"	Diameter	Set 48 6		Perf 47 8	orations 30	To 4790		KCC N
Tubing S 2 3/8"	ize		Weig 4.7#			Internal I 2.00"	Diameter	Set 478		Perf	orations	То		
Type Cor Single			escribe)				id Production			Pump U	Init or Traveling	g Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing) Casing				% Carbon Dioxide				% Nitro 2.28			Gas Gravity - G _a 0.614			
Vertical D	Depth(H	1)			<u> </u>	0.10	Pre	ssure Taps		2.20			Run) (F	Prover) Size
Pressure	Buildu	p: :	Shut in 2/2	24	2	0 12 at 9	:00	(AM) (PM) Taken 2	/25		12 _{at} 9:00		(AM) (PM)
Well on L	.ine:	:	Started		2	0 at	· · · · · · · · · · · · · · · · · · ·	_ (AM) (PM)) Taken		20	at		(AM) (PM)
							OBSERVE	ED SURFAC	CE DATA			Duration of Shut	-in_24	Hours
Dynamic Si		ifice Circle one: Meter ize Prover Pressure psig (Pm)		ure	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t t		e Wellhead Pressure (P _w) or (P _r) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration Liqu		uid Produced (Barrels)
Shut-In					2			71#	85.4#	psig	psia	24 hrs		
Flow														
	······ 1			_			FLOW STI	REAM ATTI	RIBUTES		ī	T		1
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Grav Extension Fact ✓ P _m x h F _q		or Temperature		Fa	ríation actor = pv	Metered Flor R (Mcfd)	W GOR (Cubic Fo Barrel		Flowing Fluid Gravity G _m
				<u> </u>		(OPEN FLO	DW) (DELIV	/ERABILITY	/) CALCUL	ATIONS				
P _c) ² =		_;	(P _w) ² :	=	:	P _d =			P _e - 14.4) +		:	(P _a , (P _d)	$0.2^2 = 0.2^2$	207
(P _c) ² - (F	P _a) ²	(P)²- (P _w)²	Cho	ose formula 1 or 2: 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ ad by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpre Slo	essure Curve ppe = "n" or ssigned dard Stope	n x	LOG	Antilog	O De Equal:	pen Flow liverability s R x Antilog (Mcfd)
											-,-			
Open Flov	v		<u> </u>		Mcfd @ 14.6	55 psia		Deliveral	bility			Mcfd @ 14.65 ps	<u> </u> ia	
				aid ı	eport is true			_			ecember	ort and that he ha		vledge of 20 12 .
			For Comr	nissio	n	···						ked by		

DEC 0 4 2012

I declare under penalty of perjury under the laws of the state of Kansas that exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Abercrombie and that the foregoing pressure information and statements contained on this a correct to the best of my knowledge and belief based upon available production stored equipment installation and/or upon type of completion or upon use being made of the laws request a one-year exemption from open flow testing for the Bertran gas well on the grounds that said well: (Check one) is a coalbed methane producer	Energy, LLC Application form are true and ummaries and lease records of the gas well herein named.
and that the foregoing pressure information and statements contained on this a correct to the best of my knowledge and belief based upon available production so of equipment installation and/or upon type of completion or upon use being made of the latest a one-year exemption from open flow testing for the Bertrangas well on the grounds that said well: (Check one)	application form are true and ummaries and lease records of the gas well herein named.
correct to the best of my knowledge and belief based upon available production so of equipment installation and/or upon type of completion or upon use being made of the latest and la	ummaries and lease records of the gas well herein named.
of equipment installation and/or upon type of completion or upon use being made of the latest and	of the gas well herein named.
I hereby request a one-year exemption from open flow testing for the Bertrangas well on the grounds that said well: (Check one)	
gas well on the grounds that said well: (Check one)	n #1
(Check one)	
is a coalbed mothana producer	
i is a coalbed methatie producer	
is cycled on plunger lift due to water	
is a source of natural gas for injection into an oil reservoir unde	ergoing 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 mc	:f/D
I further agree to supply to the best of my ability any and all supporting docur staff as necessary to corroborate this claim for exemption from testing.	ments deemed by Commission
Date: December 3, 2012	
Signature: Aury Mind	
Title: Operations Manager	

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.