STP TEST.

Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Open Flow Deliverabilty				Test Date 11-12-1		API No. 15 15-119-21313-00-00							
Company					11-12-1	J	Lease			113-21313-0		Well Nu	mber
O'BRIEN ENERGY RESOURCES CORP.				VAIL OFFSE			FSET			3-30			
County Location MEAD NW SE SE NE			Section 30		TWP 33S		RNG (E/W) 29W			Acres A	ttributed		
Field				Reservoir MORROW					hering Conn IDSTREAM	ection			
Completion Date 4-15-12				Plug Back Total Depth 6371		h	Packer Set at NONE		et at			***	
Casing S 1.5	Size Weight 10.5		Internal Diameter 4.090		Set at 6355		Perforations 5842		то 5850				
Tubing S 2.375			Internal Diameter 1.995		Set at 5790 .		Perforations		То				
Type Completion (Describe) SINGLE GAS					d Production					raveling Plunger? Yes / No			
Producing Thru (Annulus / Tubing)				% Carbon Dioxid		de	% Nitrog				Gravity - G		
ANNULUS ² ., Vertical Depth(H)				0.209	Pres	sure Taps			•	(Meter Run) (Prover) Siz			
5846			····			FLA	•				3.068		
Pressure	Buildup	: Sh	ut in	11-13	0 at	915	(AM) (PM)	Taken 11	1-12-13	20	at0915	(AM) (PM)
Well on L	ine:	Sta	ined	20) at		(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24.	0 но
Static / Dynamic Property	ynamic Size		Cucte one: Meter over Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature		Casing Welthead Pressure (P _w) or (P _I) or (P _c) psig psia		Tubing Wetlhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	hut-In						100.6	115.0	F-9 PVI		24.0		
Flow													
						FLOW STR	EAM ATTR	BUTES	···· · · · · · · · · · · · · · · · · ·				
Plate Coeffiecient (F _b) (F _p) Mcfd		Gucie one: Meter or Prover Pressure psia		Press Extension P _m x h	Extension Fact		for Temperature		iation .ctor : pv	Metered Flov R (Mcfd)	(Cubic Fe Barrel)		Flowing Fluid Gravity G _m
				•			•		1				
P _c) ² =		_;		* *		OW) (DELIV	•		ATIONS 14.4 =			² = 0.20	
(P _c) ² · (I or (P _c) ² · (I		(P _e)²	- (P _w)²	Chaose formula 1 or 2. 1. P _c ² - P _s ² 2. P _c ² - P _d ² divided by: P _c ² - P _s ²	LOG of formula 1, or 2, and divide by:	P _c ² - P _w ²	Slop	ssure Curve e = "n" or signed ard Slope	n x	rog	Antilog	Open Flow Deliverability Equals R x Antild (Mcfd)	
Open Flo	 w			Mcfd @ 14.0	35 osia		Deliverab	ilitv			Mcfd @ 14.65 ps	ia	
		aned a	uthority, or		···· ··· ·	tates that h			o make th		rt and that he ha		edge of
		•	•	id report is true			•		•	·		, 2	·
_				U, Eh, 7		KCC	WICH	TA,	ورجارم	ردر رو	relino	47	- -
مر س	7-/-	· / ·	Witness (if	any)		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2 0 201	, <u></u> 1	<u></u>	M For C	company Br		_ <u></u>
						UEG	7 IL 719			vr(Al	ージノン	vet	

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 O'BRIEN ENERGY REOURCES CORP 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 VAIL OFFSET 3-30
gas well on the grounds 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
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.