KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruc	tions on Re	verse Side	·)					
· 🗸 Op	en Flow											
Deliverabilty				Test Date: 11-12-13			API No. 15 15-119-21287 - 000∂						
Company O'BRIEN		GY RESOUR	RCES CORP			Lease VAIL				2-30	Well Nu	ımber	
O'BRIEN ENERGY RESOURCES CORP County Location			Section				RNG (E	/W)					
MEAD N/2 NW			30		338				Acros Attributed				
Field	W-101110001 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	**************************************		Reservoi MORR(thering Conn IIDSTREAM				
Completion Date 6-10-11			Plug Bad 6290	Plug Back Total Depth 6290			Packer S NONE	•					
Casing Si 4.5	asing Size Weight 5 10.5		Internal Diameter 4.090		Set at 6378		Perforations 5824		To 5858		Property and the second se		
Tubing Si 2.375			Internal Diameter 1.995		Set at 5750		Perfo	rations	То				
Type Completion (Describe) SINGLE GAS				Type Fluid Production COND.			Pump Ui	nit or Traveling	Plunger? Yes / No				
Producing Thru (Annulus / Tubing) TUBING				% (0.144	% Carbon Dioxide 0.144			% Nitrogen 4.813		Gas Gravity - G _s 0.682			
Vertical Depth(H) 5841					Pressure Taps FLANGE			<u>-</u>		(Meter Run) (Prover) Size 3.068"			
Pressure	Builduo:	Shut in 11	-8-13 2	0 at 0	800	(AM) (PM)	Taken 11	-11-13	20	at 0800		(AM) (PM)	
Well on Li	•	Started 11								at 0800			
					OBSERVE	D SURFAC	E DATA	,		Duration of Shut	72.	0 Hour	
Static / Dynamic Property	namic Size Prover Pre		Differential in	Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Wellhe	Tubing ad Pressure r (P ₁) or (P _c) psia	Duration (Hours)	Liquid	Liquid Produced (Barrels)	
Shut-In						174.7	189.1	156.2 170.6		72.0			
Flow	1.750	51.8	4.4	41	75	89.7	104.1	54.2	68.6	24.0	0		
					FLOW STR	EAM ATTR	IBUTES						
Plate Coeffieci (F _b) (F _c Mcfd	ent P	Circle one: Meter or rover Pressure psia	Press Extension ✓ P _m xh	Grav Fac	tor	Tomonosotuso		ation ctor	Metered Flo R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G.,	
16.008	8 6	6.20	17.07	1.210	9 1.0	0188	1.007	2	339.5	NONE		0.682	
(P _c) ² = 35	5.8 .	(D.)3	_ 10.8 :	•	OW) (DELIV 55.1) CALCUL	ATIONS		(P _a) ² = 0.2		
		(-")- =	Chaose formula 1 or 2		55.1	T	P _c - 14.4) +	14.4 =		(P _d)2 =		
(P _c) ² - (P or (P _c) ² - (P		(P _c) ² · (P _w) ²	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide D 2 D 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x l	LOG	Antilog De		oen Flow iverability s R x Antilog (Mcfd)	
25 55		4.00	4: 407				***************************************						
35.55		4.92	1.427			3 0.789		0.1	217	1.3235 449.30		30	
Open Flow 449 Mcfd @ 14.6			65 psia		Deliverab	Deliverability		Mcfd @ 14.65 psia					
The u	ndersigne	ed authority, o	n behalf of the	Company, s	states that he	e is duly au				ort and that he h	as know	ledge of	
ne facts sta	ated there	ein, and that s	aid report is true	and correc	Executed	his the 1	2 TA	day of	OVEMBER		, 2	20 13	
Can	. to	KOO	11276.7		MOC V	VICH	12	ا : ما ما	1112	11.047			
Type	7 10	Witness	Woth, Fo		NOV 2	7 2013	rec	10/07	TUITE	Company Company Coked by	- 5/T/10 1	9	
	***************************************	For Comr	nission	,	L/L-/	```			Ma	cked by	well		
					パヒし	CEIVE)		J.1101				

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l declare under p	enalty of perjury u	inder the laws of	the state of	Kansas th	nat I am a	uthorized to	o request				
exempt status under F	Rule K.A.R. 82-3-30	04 on behalf of the	operator _								
and that the foregoin	g pressure informa	ation and statem	ents contair	ned on this	application	on form are	true and				
correct to the best of r	my knowledge and	belief based upo	elief based upon available production summaries and lease records								
of equipment installat	ion and/or upon typ	e of completion o	or upon use l	being made	of the ga	s well herei	n named.				
I hereby request a	a one-year exempt	ion from open flo	w testing for	the			,				
gas well on the groun	ds that said well:										
(Check one))			•		•					
•	a coalbed methane						, ,				
I	cycled on plunger										
	a source of natura					ER					
	on vacuum at the p										
is	not capable of pro	ducing at a daily	rate in exce	ss of 250 r	ncf/D						
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	supply to the best			_	uments u	eemed by t	Joininission				
staff as necessary to	corroborate this ci	aim for exemptic	:	ng.	•						
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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.

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