## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	1:					. (	See Inst	ructi	ons on Rev	erse Side	)						
Open Flow			Toot Date:							ÄPI No. 15							
Deliverabilty				Test Date 11-12-1							19-21277-0	0-0	0		•		
Company O'BRIEN ENERGY RESOURCES CORP.								Lease VAIL				Well Number					
County Location MEAD SW SW				Section			TWP 33S		RNG (E/W) 29W			Acres Attributed			ttributed		
Field					Reservoi	Reservoir MORROW						Gas Gathering Connection					
Completion Date 2-14-11					Plug Bac 6310	Plug Back Total Depth 6310			ĵ.			et at ·					
Casing Size Weigh 4.5 11.6						Internal Diameter 4.000			Set a 6348	Perforations 5816-5838			то 5860-5876				
•			Weigh	nt' ,		Internal Diameter 1.995		Set at 5755		Perforations			To				
Type Completion (Describe) SINGLE GAS				, ,	Type Fluid Production COND.						t or Traveling	l Plu	Plunger? Yes / No				
Producing Thru (Annulus / Tubing) TUBING				% Carbon Dioxide 0.155			de	% Nitrogen 3.371			en .	. Gas Gravity - G <sub>g</sub> 0.673			9		
Vertical Depth(H) 5846				Pressu FLAN			sure Taps NGE	aps					(Meter Run) (F 3.068"		rover) Size		
Pressure	Buildu	o:	Shut in 11-	8-1	3 20	o at _0	815		(AM) (PM)	Taken_11	1-11	-13	20		at 0815	(	AM) (PM)
Well on L			Started 11-													(	AM) (PM)
	T			,			OBSE	RVE	D SURFACE		,	·. 1.		Dur	ation of Shut-i		0 Hours
Static / Dynamic Property	Siz	Orifice Size nches) Circle one Meter Prover Press psig (Pm)		- 1	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t t			Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	ห-เก								193.1	207.5			72.0				
Flow	.750	.750 59.			64.0	39 75		105.1	119.5				24.0		0		
				ı			FLOW	STR	EAM ATTR	IBUTES		<del></del>					
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or Prover Pressure psia		Press Extension	Gravity Factor F <sub>g</sub>		Т	Flowing emperature Factor F <sub>tt</sub>	Fa	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing ' Fluid ' Gravity ' G <sub>m</sub>
2.7402	2	73	.80	6	8.73	1.219	)	1.0	0208	1.008	32		236.3		NONE		0.673
.;	10 4			1	A . E				ERABILITY				07.5		_	= 0.2	07
$(\dot{P}_c)^2 = 4$	13.1	_:_	(P <sub>w</sub> ) <sup>2</sup> =		se formula 1 or 2:	P <sub>d</sub> =	58.0	9	1	° <sub>c</sub> - 14.4) +				Γ	(P <sub>d</sub> ) <sup>2</sup>	=	
$(P_c)^2 - (P_a)^2$ (1)		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		ed by: P <sub>2</sub> - P <sub>2</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide by:	P.2 - P.	P 2 P 2		ressure Curve lope = "n" or Assigned ndard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
							.1 .								· · · · · · · · · · · · · · · · · · ·		
42.85	42.85		28.85		199	0.1759			1.000		0.1759		1.4993		354	354.23	
Open Flo	w 354	4		1	Mcfd @ 14.	65 psia			Deliverab	ility				Mcf	d @ 14.65 psi	а	
					. •	•	•			_				ort a	nd that he ha		
the facts s	stated t	nerei	in, and that sa	aid i		17 13.5	• .			. —	•.	٠. :	OVEMBER		<del></del>		20
Cop	g.	10	KCC Wilness (i	1 any	Viche	ta	-K	C	C WIC	HITA	ci	510	n Will	e C	ino 47	257 -1	ing
			For Comm	issio	n			NO'	V 27 2		-		Che	cked	// proc	el_	ر

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					<b>\_</b> :	
I declare under pe	nalty of perjury under	the laws of the	state of Kansa	s that I am auth	norized to rec	uest
exempt status under Ru	le K.A.R. 82-3-304 on l	behalf of the ope	rator			*.
and that the foregoing	pressure information a	and statements	contained on t	his application	form are true	and
correct to the best of m	knowledge and belief	f based upon ava	ailable producti	on summaries	and lease red	ords
of equipment installatio	n and/or upon type of c	ompletion or upo	on use being ma	ade of the gas.w	ell herein na	med.
I hereby request a c	one-year exemption fro	om open flow tes	ting for the	<del></del>		
gas well on the grounds	s that said well:	4.				
(Check one)						i .
isa	coalbed methane prod	ucer -				
is cy	cled on plunger lift due	e to water		`		
isa	source of natural gas f	or injection into	an oil reservoir	undergoing EF		
is or	vacuum at the presen	it time; KCC app	roval Docket No	o		
is no	t capable of producing	g at a daily rate i	n excess of 25	0 mcf/D		1
I further agree to su	upply to the best of my	ability any and	all supporting o	locuments dee	med by Comi	nissio
taff as necessary to co	orroborate this claim fo	or exemption from	m testing.	* * * * * * * * * * * * * * * * * * *		
Date:	•					
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·	e e e					
			•			
	Siar	ṇature:				
		Title:				
	•					

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 filled 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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