KCC WICHITA

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

Type Test	:				(	See Instruct	tions on Re	verse Side	)						
Op	en Flo	w			Test Date				ΛĐΙ	API No. 15					
Del	liverab	ilty				01/26/11				API No. 15 15-077-21039-00-01					
Company Oil Produ		Inc.	of Kansas			Lease Carothers A						Well Number			
County Location Harper 100' NE of SW/SE					Section 23				RNG (E/	W)		Acres Attributed			
Field					Reservoir Mississippi			Gas Gat Atlas P	hering Conni ipeline	ection					
•				Plug Bac 4445	Plug Back Total Depth 4445			Packer S none	et at	· · · · · · · · · · · · · · · · · · ·					
Casing Size Weight 4.5 9.5#			Internal E 4.090	Diameter		Set at 4449		rations 9	то 4399						
	Tubing Size			Weight 4.7		Internal Diameter 2"		Set at 4377		rations	то 4370				
Type Com	npletion	n (De				Type Fluid Production			436	nit or Traveling					
single		,	,		water					ımp unit					
Producing annulus	•	(Anr	nulus / Tubing	1	% c . <b>26</b>	% Carbon Dioxide			% Nitrog 4.41	en	Gas (	Gas Gravity - G <sub>g</sub>			
Vertical D	epth(H	l)				Pressure Taps flange			· · · ·		(Mete 2"	(Meter Run) (Prover) Size 2"			
Pressure	Buildu	p: :	Shut in	2	0_11_at_9	:45AM	(AM) (PM)	Taken_1/2	26	20	11 at 9:45A	AM	(AM) (PM)		
Well on Li	ine:	;	Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)		
,				-		OBSERVE	D SURFAC				Duration of Shu	ıt-in24	Hours		
Static / Dynamic Property	Dynamic Size		Circle one:  Meter  Prover Pressur  psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	1 '	Liquid Produced (Barrels)		
Shut-In	ut-In		poig (i iii)	mones H <sub>2</sub> 0			185	199.4	psig psia		24				
Flow															
						FLOW STR	REAM ATTE	RIBUTES					T		
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: <b>Meter</b> or <b>Prover Pressure</b> psia		Press Extension P <sub>m</sub> x h	Fact	Gravity Factor F <sub>g</sub>		Flowing Dev Femperature Fa Factor F		Metered Flow R (Mcfd)	w GOI (Cubic I Barre	eet/	Gravity I		
(D.)2 -			/D \2		•	OW) (DELIV		•				$(a^{2})^{2} = 0.$ $(a^{2})^{2} = $	207		
(P <sub>c</sub> ) <sup>2</sup> =		<u>-</u> `.	(P <sub>w</sub> ) <sup>2</sup> =_	hoose formula 1 or 2	:			(P <sub>c</sub> - 14.4) +		г ¬	\·				
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		1		1. P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> ivided by: P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)		
				wided by . · c · w											
Open Flow Mcfd @ 14.65					65 psia	5 psia Deliverability				Mcfd @ 14.65 psia					
The u	unders	igned	d authority, on	behalf of the	Company, s	states that h	ne is duly a				ort and that he	nas knov	wledge of		
the facts st	tated t	herei	n, and that sa	d report is true	e and correc	t. Executed	I this the $\frac{2}{2}$	27th	day of <u>Ja</u>	anuary		· · ·	20 11		
			Witness (if	any)				(	( )	OM/ME	Company	RE(	CEIVED		
			For Commi	ssion					4	Che	cked by		0 3 2011		

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		
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(Check one)   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   is not capable of producing at a daily rate in excess of 250 mcf/D  I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.	of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.	
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Signature:  Title:  RECEIVE FEB 0 3 2  KCC WICH	Date: 1/27/11	
Signature:  Title:  RECEIVE  FEB 0 3 2  KCC WICH	33 -14-	
FEB 0 3 2	Signature:	ر سوا الا
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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.