**KCC WICHITA** 

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

Media   Medi	Type Test	t:				(-	See Instruc	tions on Re	verse Side	<del>)</del> )				
Deliverability   Deli	Op	en Flo	w			Test Date	12			API	No.			
Internal Diameter Set at Solid Connection Date Section 175 Section	Deliverabilty									2207+	15.071		4	
Description of the property of	Company Bartlin	g Oil	Co	).				Lease <b>Banb</b> u	ıry			#1	Well Nun	nber
Reservoir   Case   Ca	County Location								RNG (E/	W)				
Plug Back Total Depth	Field			1444 17		Reservoir				Gas Gat	hering Conn	ection	700	
Sign Size Weight Internal Diameter Set at Perforations To 2932  Ding Size Weight Internal Diameter Set at Perforations To 3013 2910 2932  Ding Size Weight Internal Diameter Set at Perforations To 3013 2910 2932  Ding Size Weight Internal Diameter Set at Perforations To 3013 2910 2932  Ding Size Weight Internal Diameter Set at Perforations To 3013 2910 2932  Ding Size Weight Internal Diameter Set at Perforations To 3013 2910 2932  Ding Size Weight Internal Diameter Set at Perforations To 3013 2910 2932  Ding Size Weight Internal Diameter Set at Perforations To 3013 2910 2932  Ding Size Weight Internal Diameter Set at Perforations To 3013 2910 2932  Ding Size Weight Internal Diameter Set at Perforations To 3013 2910 2932  Ding Size Weight Internal Diameter Set at Perforations To 3013 2910 2932  Ding Size Weight Internal Diameter Set at Perforations To 3013 2910 2932  Ding Size Weight Internal Diameter Set at Perforations To 3013 2910 2932  Ding Size Weight Internal Diameter Set at Perforations To 3013 2910 2932  Ding Size Weight Internal Diameter Set at Perforations To 3013 2910 2932  Ding Size Weight Internal Diameter Set at Perforations Traveling Plunger? Yes / No 700 100 100 100 100 100 100 100 100 100								th						
Sing Size Weight Internal Dameter Set at Perforations To A 1,995 3013 2910 2932    Weight A 1,7 1,995 3013 3013 2910   Perforations To A 1,995   Perforations To A 1,995   Perforations To A 1,995   Perforation Pump Unit or Traveling Plunger? Yes / No Marker Pumping Unit Traveling Plunger? Yes / No Marker Run (Prover) Size Trical Depth(H)  Pressure Taps (Meter Run) (Prover) Size (Meter Run) (Prov	/83	on Dai	e 			3010								
So Completion (Describe)  goel Gas  water  Pump Unit or Traveling Plunger? Yes / No  pulp Gas  water  Pumping Unit  Pumping Unit  Pumping Unit  Pumping Unit  Sasare Buildup: Shut in Aug. 6  20 10 at 10 AM (AM) (PM) Taken Aug. 7  20 10 at 10 AM (AM) (PM)  But on Line:  Started  20 at (AM) (PM) Taken Aug. 7  20 10 at 10 AM (AM) (PM)  But on Line:  Started  20 at (AM) (PM) Taken Aug. 7  20 10 at 10 AM (AM) (PM)  But on Line:  Started  20 at (AM) (PM) Taken Aug. 7  20 10 at 10 AM (AM) (PM)  But on Line:  Started  20 at (AM) (PM)  But on Line:  Started  Circle on:  Meter Prossure  Pro	Casing Size 4 1/2			<u>-</u>										
Type Fluid Production water Pumping Unit or Traveling Plunger? Yes / No pigel Gas water Pumping Unit Pumping Unit Pumping Unit Pumping Unit Shut In Aug. 6 20 10 at 10 AM (AM) (PM) Taken Aug. 7 20 10 at 10 AM (AM) (PM) Islin on Line: Started 20 at (AM) (PM) Taken 2	Tubing Size 2 3/8									Perforations		То		
Soluting Thru (Annulus / Tubing)  % Carbon Dioxide  % Nitrogen  Gas Gravity - G <sub>g</sub> (Meter Run) (Prover) Size  (Method Prosure Ressure Prover) Pressure Prover Prover Pressure Prover Prover Pressure Prover Pressure Prover Prove	Type Completion (Describe)				Type Fluid Production				Pump Unit or					
Trical Depth(H)  Pressure Taps  (Meter Run) (Prover) Size  (Meter Run) (Prover) Size  Pressure Buildup:  Shut in Aug. 6  20 10 at 10 AM  (AM) (PM) Taken Aug. 7  20 10 at 10 AM  (AM) (PM)  Taken Aug. 7  20 10 at 10 Am  (AM) (PM)  Taken Aug. 7  20 10 at 10 Am  (AM) (PM)  Taken Aug. 7  20 10 at 10 Am  (AM) (PM)  Taken Aug. 7  20 10 at 10 Am  (AM) (PM)  Taken Aug. 7  20 10 at 10 Am  (AM) (PM)  Taken Aug. 7  20 10 at 10 Am  (AM) (PM)  Taken Aug. 7  20 10 at 10 Am  (AM) (PM)  Taken Aug. 7  20 10 at 10 Am  (AM) (PM)  Taken Aug. 7  20 10 at 10 Am  (AM) (PM)  Taken Aug. 7  20 10 at 10 Am  (AM) (PM)  Taken Aug. 7				nulus / Tubino				ide		·	Gas Gravity - G			
essure Bulidup: Shut in Aug. 6 20 10 at 10 AM (AM) (PM) Taken Aug. 7 20 10 at 10 AM (AM) (PM) all on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM) T	nnulus	-	(		,		,							
OBSERVED SURFACE DATA  OBSERVED SURFACE DATA  Duration of Shut-in 24 Hours  In Motor Prover Pressure (inches)  Flowing psig (Pm)  Duration of Shut-in 24 Hours  Flowing temperature (inches)  Flowing psig (Pm)  Flowing temperature (P,) or (	/ertical E	Depth(i	1)			- 41-1-	Pres	sure Taps				(Meter	Run) (Pro	over) Size
OBSERVED SURFACE DATA  OBSERVED SURFACE DATA  Duration of Shut-in 24 Hours  In Motor Prover Pressure (inches)  Flowing psig (Pm)  Duration of Shut-in 24 Hours  Flowing temperature (inches)  Flowing psig (Pm)  Flowing temperature (P,) or (				Aug	. 6	. 10 . 10	) AM	(AAA) (DAA)	At	7		10 . 10 AM		\AA\ /DAA\
OBSERVED SURFACE DATA  Duration of Shut-in 24 Hours  Italia!   Orifice   Circle one: Meter   Pressure   Differential   In   Inches H.g.      Open Flow   Piste   Prover Pressure   Piste   Pressure   Piste   Prover Pressure   Piste			•											
tatic / Orifice mamic Size Meters Prover Pressure psig (Pm)   Pressure property (inches)   Pressure psig (Pm)   Pressure (Pm)   Pressure psig (Pm)   Pressur														
Flowing   Flow		I		Circle one:	Pressure		T .	<del></del>		1 1		Duration of Shu	t-in <u></u>	Hours
FLOW STREAM ATTRIBUTES  Plate Definicient (F <sub>b</sub> ) (F <sub>p</sub> ) Prover Pressure pisla  Plate (P <sub>b</sub> ) (F <sub>p</sub> ) Prover Pressure pisla  Plate (P <sub>b</sub> ) (F <sub>p</sub> ) Prover Pressure pisla  Plate (P <sub>b</sub> ) (F <sub>p</sub> ) Prover Pressure pisla  Plate (P <sub>b</sub> ) (F <sub>p</sub> ) Prover Pressure pisla  Plate (P <sub>b</sub> ) (F <sub>p</sub> ) Prover Pressure pisla  (OPEN FLOW) (DELIVERABILITY) CALCULATIONS  (P <sub>p</sub> ) Prover Pressure pisla  (P <sub>p</sub> ) Prover Pressure  (P <sub>p</sub> ) Pressure  (P <sub>p</sub> ) Prover Pressure  (P <sub>p</sub> ) Pressure  (P <sub>p</sub> ) Prover	Dynamic Size		e	Meter Differential Prover Pressure in		Temperature Temperature		Wellhead Pressure		Wellhead Pressure				I
FLOW STREAM ATTRIBUTES  Plate Coefficient (F <sub>a</sub> ) (F <sub>p</sub> ) Mcfd  Prover Pressure psia  COPEN FLOW) (DELIVERABILITY) CALCULATIONS  Pactor F <sub>1</sub> COPEN FLOW)  COPEN FLOW) (DELIVERABILITY) CALCULATIONS  (P <sub>a</sub> ) <sup>2</sup> =	Shut-In	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		psig (Pm)	Inches H <sub>2</sub> 0				psia	psig	psia	24	24	
FLOW STREAM ATTRIBUTES  Plate Defilecient (F <sub>b</sub> ) (F <sub>b</sub> )  Prover Pressure psia  (P <sub>a</sub> ) <sup>2</sup> = (P <sub>w</sub> ) <sup>2</sup> = P <sub>a</sub> = (P <sub>c</sub> ) <sup>2</sup> - P <sub>c</sub>	Flow													
Coefficient (F <sub>p</sub> ) (F <sub>p</sub> ) Prover Pressure psia P <sub>m</sub> Xh		<u> </u>		l			FLOW ST	REAM ATTE	RIBUTES	. <b>.</b>	, .l. ,	:		
Definicient (F <sub>b</sub> ) (F <sub>p</sub> ) Prover Pressure psia Prover Pressure psia Prover Pressure psia Prover Prover Pressure psia Prover Prover Pressure psia Prover Pro	Plate	е		Circle one:	Press	Grav	vitv		Dev	/iation	Metered Flo	w GOF		- 1
P <sub>c</sub>     P <sub>c</sub>	Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	over Pressure				Factor F		actor				Gravity
P <sub>c</sub>     P <sub>c</sub>	·													
Choose formula 1 or 2: 1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> Or (Ncfd)  Or (Mcfd)  Or (Mcfd	⊃ }2 <u>=</u>		:	(P) <sup>2</sup> =	:	•					:			07
or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> and divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> Den Flow  Mcfd @ 14.65 psia  Deliverability  Mcfd @ 14.65 psia  Deliverability  Mcfd @ 14.65 psia  The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of facts stated therein, and that said report is true and correct. Executed this the 6  RECEIVE		(D \2		1	Choose formula 1 or 2	);·		Backpre	essure Curve		Г 7			en Flow
the undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of facts stated therein, and that said report is true and correct. Executed this the     Standard Slope			,,	c) - (I w)		formula 1. or 2.			or		LOG	Antilog	l l	
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of facts stated therein, and that said report is true and correct. Executed this the 6 day of Aug., 20 10 RECEIVE	(P <sub>c</sub> ) <sup>2</sup> - (	(P <sub>d</sub> )*				and divide by:	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>						(1	Mcfd)
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of facts stated therein, and that said report is true and correct. Executed this the 6 day of Aug., 20 10 RECEIVE					<del> </del>						<u>.</u>			
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of facts stated therein, and that said report is true and correct. Executed this the 6 day of Aug. , 20 10 RECEIVE	Open Flo				Mcfd @ 14.	.65 psia		Delivera	bility		····	Mcfd @ 14.65 p	_  sia	
facts stated therein, and that said report is true and correct. Executed this the 6 day of Aug., 20 10 RECEIVE	·		igne	d authority, or			states that I	A		to make th	ne above rep	ort and that he h	nas knowle	edge of
RECEIVE			-	-				_		_			, 2	10
Witness (if any) OCT 2 1 2									/		L)		R	ECEIVE
				Witness (i	fany)						For	Company	00	T 2 1 2

I declare under penalty of perjury under the laws of the state exempt status under Rule K.A.R. 82-3-304 on behalf of the operator							
and that the foregoing pressure information and statements cor	)						
correct to the best of my knowledge and belief based upon availa							
of equipment installation and/or upon type of completion or upon upon upon upon upon upon upon upon	use being made of the gas well herein named.						
I hereby request a one-year exemption from open flow testing for the							
gas well on the grounds that said well:	/						
(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							
staff as necessary to corroborate this claim for exemption from t	esting.						
Date: Oct 18, 2010	RECEIVED						
Date:	OCT 2 1 2010						
	KCC WICHITA						
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.