KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

STANTON NE 36 30S 43W Pried SPARKS, WEST MORROW MORROW REGENCY Ompletion Date Plag Back Total Depth 5977 Solid Street 10.5 4.052 55000 5318* 5331* Totaling Size Weight Internal Diameter Set at 19 Perforations To 5318* 5331* Tubing Size Weight Internal Diameter Set at 19 Perforations To 5318* 5331* Tubing Size Weight Internal Diameter Set at 19 Perforations To 518* 5331* Tubing Size Weight Internal Diameter Set at 19 Perforations To 518* 5331* Tubing Size Weight Internal Diameter Set at 19 Perforations To 518* 5331* Tubing Size Weight Internal Diameter Set at 19 Perforations To 518* 5328* Type Completion (Describe) Type Full Production NONE NO NO Producing Thru (Annulus / Tubing) Type Carbon Dioxido Total Completion (Describe) The Full Production NONE NO NO Started Total Started 20 11 at 8 AM (AM) (PM) Taken 12/9/ Size Pressure Bulldup: Shut in 12/8/ Size Producing Thru (Annulus / Tubing) Total Started Online Started Online Started Online Size Producing Shut in 12/8/ Size Prover Pressure Topes Pressure Bulldup: Shut in 12/8/ Size Prover Pressure Size Prover Pressure Size Prover Pressure Topes Pressure Bulldup: Shut in 12/8/ Size Prover Pressure Size Prover Pressure Size Prover Pressure Topes Pressure Size Prover Pressure Size Pressure Size Prover Pressure Size P	Type Test	t:				(See Instruct	tions on Rev	erse Side)					
Loase Loas	✓ op	en Flow				Test Date	n:			API	No. 15	$\Delta \Delta \Delta \Delta$			
Loase Loas	De	liverabil	y							187	-20,309	- 0000			
STANTON NE 36 30S 43W Pried SPARKS, WEST MORROW MORROW REGENCY Ompletion Date Plag Back Total Depth 5977 Solid Street 10.5 4.052 55000 5318* 5331* Totaling Size Weight Internal Diameter Set at 19 Perforations To 5318* 5331* Tubing Size Weight Internal Diameter Set at 19 Perforations To 5318* 5331* Tubing Size Weight Internal Diameter Set at 19 Perforations To 518* 5331* Tubing Size Weight Internal Diameter Set at 19 Perforations To 518* 5331* Tubing Size Weight Internal Diameter Set at 19 Perforations To 518* 5331* Tubing Size Weight Internal Diameter Set at 19 Perforations To 518* 5328* Type Completion (Describe) Type Full Production NONE NO NO Producing Thru (Annulus / Tubing) Type Carbon Dioxido Total Completion (Describe) The Full Production NONE NO NO Started Total Started 20 11 at 8 AM (AM) (PM) Taken 12/9/ Size Pressure Bulldup: Shut in 12/8/ Size Producing Thru (Annulus / Tubing) Total Started Online Started Online Started Online Size Producing Shut in 12/8/ Size Prover Pressure Topes Pressure Bulldup: Shut in 12/8/ Size Prover Pressure Size Prover Pressure Size Prover Pressure Topes Pressure Bulldup: Shut in 12/8/ Size Prover Pressure Size Prover Pressure Size Prover Pressure Topes Pressure Size Prover Pressure Size Pressure Size Prover Pressure Size P			;						RE				Well No	ımber	
SPARKS, WEST MORROW MORROW REGENCY Completion Date 8/1979 S377 S377 S377 S377 S381 S331 Tuting Size Weight 10.5 4.052 S600 S318 S331 Tuting Size Weight 10.5 4.052 S600 S318 S331 Tuting Size Weight 10.5 4.052 S600 S318 S331 Tuting Size S31 Tuting Size Weight 10.5 S231 Type Completion (Describe) Single Eds NONE NO Recompletion (Describe) Single Fluid production NONE NO Recompletion (Describe) Single Fluid production NONE Recompletion Reco	•								N)		Acres	Attributed			
SATT S231'	Field SPARK	(S, WI	EST MOF	ROV	٧						-	ection			
Tubing Size Weight Internal Diameter Set at 2 38" 5331" Tubing Size Weight Internal Diameter Set at 1 1,995 S231" Type Completion (Describe) Type Completion (Describe) Type Completion (Describe) Type Completion (Describe) Type Flowing Thru (Annutus / Tubing) % Carbon Dioxide Pressure Taps (Antire Run) (Prover) St. 5225' FLANGE 2" Pressure Taps (AM) (PM) Taken 12/9/ 20 11 at 8 AM (AM) (PM) Taken 12/9/ 20 11 at	Completic 8/1979	on Date					k Total Dept	th			et at				
Tubing Size 4.7 1.995 Type Completion (Describe) Type Full Producing Thru (Annulus / Tubing) Type Gungletion (Describe) Type Full Producing Thru (Annulus / Tubing) Type Gungletin (Describe) Type Full Producing Thru (Annulus / Tubing) Type Gungletin Thru (Annulus / Tubing) Type Full Dilar Tubing Type Gungletin Thru (Annulus / Tubing) Type Gungletin Thru (Annulus / Tubing) Type Full Dilar Tubing Type Gungletin Thru (Annulus / Tubing) Type Full Dilar Tubing Type Full Tubing Tubing Type Full Tubing Type Full Tubing Type Full Tubing	Casing Size Weight					Diameter									
Type Completion (Describe) Type Fluid Production NONE NONE NONE NONE Pump Unit or Traveling Plunger? Yes / No NONE NONE Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity · G _q 775 TUBING TUBING Pressure Taps (Meter Run) (Prover) Sizes/Sizes FLANGE 2° FLANGE 2° Pressure Buildup: Shut in 12/8/ Well on Line: Started 20 at (AM) (PM) Taken 12/9/ Well on Line: Started OFfice or Matter Opnamic (Inches Prover Pressure Prover Pressure Prover Pressure Prover Pressure Prover Pressure Inches H, 0 Inches	Tubing Size Weight			Internal [Diameter	Set at									
TUBING TUBING **Carbon Dioxide*** **Nitrogen** **Gas Gravity - G.* **T75 **TUBING** **Pressure Dath(+)** **Pressure Buildup: Shut in 12/8/ **Pressure Buildup: Shut in 12/8/ **Vertical Depth(+)** **Pressure Pressure Duration of Shut in 24	Type Con		(Describe)			Type Flui	d Production		<u> </u>	<u>-</u>	it or Traveling	Plunger? Yes	/ No		
Pressure Depth(H) Pressure Taps Content of the property Pressure Bulldup: Shut in 12/8/ 20 11 at 8 AM (AM) (PM) Taken 12/9/ 20 11 at 8 AM (AM) (PM) Pressure Bulldup: Shut in 12/8/ 20 11 at 8 AM (AM) (PM) Taken 12/9/ 20 11 at 8 AM (AM) (PM) Pressure Bulldup: Shut in 12/8/ 20 at (AM) (PM) Taken 12/9/ 20 at (AM) (PM) Pressure Bulldup: Staffed 20 at (AM) (PM) Taken 20 at (AM) (PM) Pressure Bulldup: Staffed 20 at (AM) (PM) Taken 20 at (AM) (PM) Pressure Bulldup: Staffed 20 at (AM) (PM) Pressure Bulldup: Bulldup	Producing	g Thru (ibing)			arbon Dioxi	de			en		ravity -	G _g	
Pressure Buildup: Shut in 12/8/ 20 11 at 8 AM (AM) (PM) Taken 12/9/ 20 11 at 8 AM (AM) (PM) Well on Line: Started		·					Pres	sure Taps					Run) (F	rover) Size	
Well on Line: Started	5325'														
Static / Orifice Cross one Meter Proseture Differential in pulg (Pm) Inches H ₂ O Proseture Clearly Property Clearly Property Clearly Property Clearly Clearly Property Clearly	Pressure	Buildup	: Shut in _	12/8/	2	0_11 at 8	AM	(AM) (PM)	Taken 12	2/9/	20	11 at 8 AM		(AM) (PM)	
Static / Orifice Orifi	Well on L	.ine:	Started _		2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
Continue							OBSERVE	D SURFACE	DATA			Duration of Shu	_{t-in} 24	Hou	
FLOW STREAM ATTRIBUTES Flowing Temperature Factor Fa	Dynamic	ynamic Size		Meter Prover Pressure		Temperature	Temperature	rature (P_{\perp}) or (P_{ϵ}) or (P_{ϵ})		Wellhead Pressure (P_w) or (P_t) or (P_c)					
FLOW STREAM ATTRIBUTES Plate Coefficient (F,) (F,) McId Prossure psia Company Flowing Temperature Factor	Shut-In		pary (uiches H ₂ O			psig	psia	1	psia	24			
Plate Coefficient Meter or Prover Pressure Piak Extension Factor Fig. Prover Pressure Piak Piak Piak Piak Piak Piak Piak Piak	Flow														
Coefficient (F _b) (F _b) Power Pressure pala (P _c) ² = (P _c) ² = (P _c) ² = (P _c) ² + P _c +							FLOW STR	EAM ATTR	BUTES						
(P _c) ² = : (P _w) ² = : P _d = % (P _c - 14.4) + 14.4 = : (P _d) ² =	Coefficient (F _b) (F _p)		Meter or Prover Pressu	Meter or Prover Pressure		Extension Fact		tor Temperature Factor		ctor	R	(Cubic F	oaV	Flowing Fluid Gravity G _a	
(P _c) ² = : (P _w) ² = : P _d = % (P _c - 14.4) + 14.4 = : (P _d) ² =														<u> </u>	
(P _c) ² · (P _s) ² or (P _c) ² · (P _g) ² divided by: P _c ² · P _s ² divided by: P _c ² · P _s ² 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 the facts stated therein, and that said report is true and correct. Executed this the Witness (if any) Choose formula 1 or 2: 1. P _c · P _s 1. OG of low Slope = "n" Assigned Standard Slope N × LOG Antilog Open Flow Noted Antilog Open Flow Noted Open Flow Noted Open Flow Antilog Deliverability Mod © 14.65 psia Deliverability Mod © 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 the facts stated therein, and that said report is true and correct. Executed this the Open Flow Noted Open F	(P) ² =		: (P)² =		-					:	,		207	
Open Flow 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 the facts stated therein, and that said report is true and correct. Executed this the 16TH day of DECEMBER , 20 11 Witness (if any)	(P _c) ² - (P _a) ² or		(P _e) ² - (P _w) ²		1. P _c ² · P _s ² 2. P _c ² · P _c ³	LOG of formula		Backpressure Co		n x l	oe [O De	Open Flow Deliverability Equals R x Antilog	
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 the facts stated therein, and that said report is true and correct. Executed this the Security of the facts stated therein, and that said report is true and correct. Executed this the Security of the facts stated therein, and that said report is true and correct. Executed this the Security of the facts stated therein, and that said report is true and correct. Executed this the Security of the facts stated therein, and that said report is true and correct. Executed this the Security of the facts stated therein, and that said report is true and correct. Executed this the Security of the facts stated therein, and that said report is true and correct. Executed this the Security of the facts stated therein, and that said report is true and correct. Executed this the Security of the facts of the				divi	ded by: P _c ² - P _c ²	by:	<u></u>	Standa	ard Slope					(MCIO)	
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 the facts stated therein, and that said report is true and correct. Executed this the Security of the facts stated therein, and that said report is true and correct. Executed this the Security of the facts stated therein, and that said report is true and correct. Executed this the Security of the facts stated therein, and that said report is true and correct. Executed this the Security of the facts stated therein, and that said report is true and correct. Executed this the Security of the facts stated therein, and that said report is true and correct. Executed this the Security of the facts stated therein, and that said report is true and correct. Executed this the Security of the facts stated therein, and that said report is true and correct. Executed this the Security of the facts of the	, .														
the facts stated therein, and that said report is true and correct. Executed this the Hotel Hote	Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	llity			Mcfd @ 14.65 p	sia		
Witness (if any) Witness (if any) RECEIVE	The i	undersig	ned authorit	y, on t	ehalf of the	Company, s	states that h	ne is duly au	thorized t	o make th	e above repo	ort and that he h	as knov	vledge of	
O	he facts s	tated the	erein, and th	at said	report is true	and correc	t. Executed	this the 16	STH A	day of Di	CEMBER 1		,	20 11	
			Witr	ess (if ar	ny)			_	IJ.	veth i	JULIJA FOR	Company	RE	CEIVE	
For Commission Checked by				Commiss	inn			_		_	Cha	cked by	חרים	19 20	

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator BEREXCO LLC
and that the foregoerrect to the best of equipment instance. I hereby requires	going pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. The est a one-year exemption from open flow testing for theKILGORE #1 ounds 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 is not capable of producing at a daily rate in excess of 250 mcf/D eto supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: 1216/11	Signature: PETROLEUM ENGINEER

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.

RECEIVED
DEC 1 9 2011
KCC WICHITA