KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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Acres Attributed by Location by Location Section TWP 34S FNG (E/W) Acres Attributed with the SE NW NW 20 34S FNG (E/W) Acres Attributed with the SE NW NW 20 34S FNG (E/W) Acres Attributed with the SE NW NW 20 34S FNG (E/W) Acres Attributed with the SE NW NW 20 34S FNG (E/W) Acres Attributed with the SE NW NW 20 34S FNG (E/W) Acres Attributed Massisseppi Gas Gashering Connection KGS (AS Gashering Connection KGS (mpany		· · · · · · · · · · · · · · · · · · ·			10/2	20/20	11			_	37-210732		We	ell Num	ber	
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Plug Back Total Depth A781								pji				ering Conne	ction				
Internal Diameter Set at Perforations To 10.5	mpletio	Date		****		_		Total Dept	h		Packer Se	et at					
Size Weight Ar Type Fluid Production SW Pump Unit or Traveling Plunger? Yes / No pumping Unit or Traveling U	asing Size Weight					rnal D	iameter										
Type Fluid Production SW Pumping Unit Pump	oing Siz	:e	Weigh	nt		Inte	rnal D	iameter	Set a	Set at		Perforations			То		
Under Pressure Taps Flange Fressure Taps Flange Started 10/19 20 11 at 10:15am (AM) (PM) Taken 10/20 20 11 at 11:15am (AM) (PM) Fressure Taps Flange Started 10/20 20 11 at 11:15am (AM) (PM) Taken 10/20 20 11 at 11:15am (AM) (PM) Fressure Taps Flange Started 10/20 20 11 at 11:15am (AM) (PM) Taken 10/20 20 11 at 11:15am (AM) (PM) OBSERVED SURFACE DATA OFFIce Pressure Pressure Pressure Pressure Pressure Information Size Pressure Paging (Pm) Frow Pressure Paging (Pm) Frow Interest Pressure Paging (Pm) Frow Interest Pressure Paging (Pm) Frow Interest Pressure Pressure Paging (Pm) Frow Interest Pressure Pres	pe Com	pletion (Production	1				Plunger	r? Yes /	No		
bibing 2.09 U.67-forms (Meter Run) (Prover) Size 3" Flange 3" (Meter Run) (Prover) Size 53 Flange 3" Strange 3" Size 510/20 20 11 at 10/15 m (AM) (PM) Taken 10/20 20 11 at 11:15 am (AM) (PM) Taken 20 at 11:15 am (AM)	_	Thru (A	Annulus / Tubin	a) ·				arbon Dioxi	de		<u> </u>	-				9	
Flowing Processure Position Processure Processure Position Process											2.09					over) Size	
Sessure Buildup: Shut in 10/19 20 11 at 10:15am (AM) (PM) Taken 10/20 20 11 at 11:15am (AM) (PM) Taken 20 20 at (AM) (PM) (AM) (PM) Taken 20 20 at (AM) (PM) (AM) (PM) Taken 20 20 at (AM) (PM) (PM) (PM) (PM) (PM) (PM) (PM) (P	rtical D	epth(H)												,	uii) (#1	JVEI) SIZE	
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Static Orifice Prover Pressure Meler Pressure Property Cinches Prover Pressure Property Cinches Prover Pressure Prover Pressure Cinches Prover Pressure Confederation								OBSERVE	D SURFAC	E DATA			Duratio	on of Shut-in	24	Hours	
FLOW STREAM ATTRIBUTES Plate Coefficient (F _s) (F _s) Private Prover Prossure psia (P _s) Tender (F _s) (F _s) (P _s) (1		Meter	Differential					Wellhead Pressure		Wellhead Pressure			I		•	
FLOW STREAM ATTRIBUTES Plate Coefficient Coefficient Mater or Prover Pressure pial (P ₁)(F ₁)(F ₂) (P ₂) ² = (P ₂) ²		(inche	2) 1		1,0		t	t		psia							
Plate Coefficient (F ₁)(F ₂) Restance Prover Pressure Position (F ₂)(F ₃) Restance Prover Pressure Position (F ₂)(F ₃) Restance Prover Pressure Position Prover Pressure Pressure Pressure Pressure Pressure Pressure Pressure Prover Pressure P	Shut-In								345	360			24				
Plate Coefficient	Flow					<u> </u>		<u> </u>	<u> </u>	<u>.</u>	<u> </u>		<u></u>	·	<u></u>		
Plate Circle one: Meter of Prover Pressure psia Plate (F _s) (F _s) (F _s) (Mctd) Possible Pressure psia COPEN FLOW) (DELIVERABILITY) CALCULATIONS (P _s) ² = (P _s)								FLOW ST		RIBUTES			<u>-</u> T-			Flowing	
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS (P _o) ² = (P _w) ² = (P _o) ² = (P	Coeffiecient (F _b) (F _p)		Meter or Prover Pressure	Extens	Extension			- 1	Temperature Factor	F	actor	r R		(Cubic Fee		Fluid Gravity	
P _c) ² =			· · · · · · · · · · · · · · · · · · ·	1													
Checked by Checke		<u></u>		<u></u>		(OP	EN FL	.OW) (DELI								:07	
(P _c) ² - (P _w) ² (P _c) ² - (P _w) ² 1. P _c ² - P _s or (P _c) ² - P _c ² P _s divided by: P _c ² - P _w ² P _s by:)2 =		_: (P _w) ²		:	2. 1	P _d =	=				:	T	(F _d)	Г	Flow	
Open Flow Mcfd @ 14.65 psia Deliverability 24 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 South States of the Executed this the South States 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 South States of the Company States of			(P _c) ² - (P _w) ²	1. P _c ² -1 2. P _c ² -1	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$		formula 1. or 2. nd divide		S	Slope = "n" or Assigned		LOG	<i>,</i>	Antilog	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 South S			<u> </u>	divided by: P	² - P,	n	by:		Jua	noard Ciope		 					
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 South S															<u> </u>	 	
witness (if any) For Commission Description: Executed this the 20 th day of Cotober , 20 11 Checked by JUN 2 1 2	Open Flo	ow .		Mcfd (3 14	l.65 p	sia	·	Deliver	ability 24			Mcfd (@ 14.65 ps	ia	<u>.</u>	
Witness (if any) For Commission Samp Community RECEIVE For Commany Tun 2 2											to make t	the above rep	ort and	I that he ha	as knov	viedge of	
For Commission Checked by JUN 2 1 2	e facts	stated ti	nerein, and that	said report	is tru	ue and	d corre	ect. Execute	ed this the	1/30	_ day of _` ```\^\^\	Con	\ M.	And	, ,	ECEIVE	
FOCCIONASSION			Witne	ss (if any)						100		Fo	г Сотралу	,		- <u>○⊏!∀E</u>	
			For Co	ommission					•			Ct	necked by		JŲ	18 6 1 21	
KCC WICH																	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to exempt status under Rule K.A.R. 82-3-304 on behalf of the operator American Energies corp. and that the foregoing pressure information and statements contained on this application form are correct to the best of my knowledge and belief based upon available production summaries and least of equipment installation and/or upon type of completion or upon use being made of the gas well herein I hereby request a one-year exemption from open flow testing for the Z- Bar Ranch #20-1 gas well on the grounds that said well:	e true and se records
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 staff as necessary to corroborate this claim for exemption from testing.	· Commission
Date: 10-20-2011 Signature: Bary Wonsulis Title: Pipelie Supervision	

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.

JUN 2 1 2012

KCC WICHITA