KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flow		0.		,		uctions on Re	verse Side	•		,			
De	liverabilt	у			Test Date: 08/28/2012				API No. 15 15-007-21241 ~ 00 ~ 00					
Company		I TECHNO	LOGII	ES, INC			Lease HARD	ING				٧	Veil Number #1	
County Location BARBER NE SW NW				Section 2		TWP 30S			RNG (E/W) 11W		Acres Attributed 160			
Field HARDING						V CAVE			Gas Gathering Connection LUMEN MIDSTREAM PARTNERSHIP, LLC				SHIP, LLC	
Completion Date 10/07/1981				Plug Bac 2902	k Total De	pth	Pe		Packer Set at NONE					
Casing Size Weight 5.500 14.000				Internal D 5.012	Diameter		Set at 2944		Perforations 2724			то 2727		
Tubing Size Weight 2.375 4.700				Internal D 1.995		268	Set at 2681		Perforations			To OPEN		
Type Con SINGLE		(Describe)			Type Flui WATE	d Producti R	ion		Pump Unit	t or Traveling	g Plung		/ No IP UNIT	
Producing Thru (Annulus / Tubing) ANNULUS					% C	arbon Dio .162	xide			itrogen G .675			Gas Gravity - G _g .6294	
Vertical Depth(H) 2726							essure Taps ANGE	•				(Meter Run) (Prover) Si		
Pressure Buildup:		Shut in	Shut in 20		12 at 8:00 AM		(AM) (PM)	(AM) (PM) Taken		08/29 20		8:00 A	VI (AM) (P	
Well on L	ine:	Started		20	0 at		_ (AM) (PM)	Taken		20	а	t	(AM) (P	
						OBSERV	/ED SURFAC				Duratio	on of Shut-i	n 24 H	
Static / Dynamic Property	Orifice Size (inches	Prover Pres	Sure Dil	ressure Iferential in thes H _o 0	Flowing Temperature t	1	t (P _w) or (P		Wellhead (P _w) or (Tubing ead Pressure or (P,) or (Pc) psia		uration Hours)	Liquid Produced (Barrels)	
Shut-In			,	2			psig 75	psia	psig	psia	2	24		
Flow														
			T		- 	FLOW ST	TREAM ATTE	RIBUTES					F	
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Ex	Press Extension ✓ P _m xh		Gravity Factor F		Temperature F		viation Metered Flow actor R (Mcfd)		GOR (Cubic Fee Barrel)	Flowing Flui Grav	
					(ODEN EL	OW) (DEL	WEDADII ITY	() CALCUI	ATIONS			·		
(P _c) ² =		: (P _w) ²	=	:	P _d =		IVERABILITY _% (P _c - 14.4) +		:		(P _a) ² (P _d) ²	= 0.207 =	
(P _c) ² - (I or (P _c) ² - (I		(P _c)²- (P _w)²	1. F 2. F	ormula 1 or 2: 	LOG of formula 1. or 2. and divide by:	Stop		essure Curve pe = "n" - or ssigned dard Slope	n x LC	x LOG		ntilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				1										
Open Flo	w		Мс	fd @ 14.	65 psia		Deliveral	bility			Mcfd @	14.65 psia	1	
The (undersigi	ned authority,	on beha	of the	Company, s	states that	he is duly a	uthorized t	to make the	above repo	ort and	that he has	s knowledge o	
the facts s	tated the	rein, and that	said rep	ort is true	and correc	t. Execute	ed this the	29TH	day of	Aug	ust		20 12 RECE	
		Witness	i (if any)					4	W TC	For	Company	— RANBA	SEP 0 4	
		Far Com	nmission					namakasa, A maja di sa kang yang basa sa Pasa sa An	Valuation (in Physics State of	Che	cked by	C	ONSERVATIO WICHITA	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator PETROLEUM TECHNOLOGIES, INC. and that the foregoing pressure information and statements contained on this application form are true and 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 HARDING #1 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 supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date:08/29/2012
Signature:

Instructions:

. Napalana MKKW 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 **1S** 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.