KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test		_			(See Insti	ructi	ons on Re	verse Side	∍)					
✓ Open Flow Deliverabilty					Test Date: 11-27-12 \\ \5-077-2\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\										
Company		•,	<u></u>		11-27-1	2		Lease		<u> </u>	11-91			umber	
		etro	leum Corpo	ration				Clark				1-4	AAGII 14	umber	
County Harper			Locatio SW SE I		Section 4			TWP 34S		RNG (E	Z/W)		Acres 160	Attributed	
				Reservoir Mississippi			Gas Gathering Conn Atlas				RECEN				
·			Plug Bac 4550	Plug Back Total Depth 4550			Packer Set at None				DEC 14	2012			
			internal (4.95	Internal Diameter 4.95			Set at 4590		orations)5	то 4515	K	CC WIC	HIT		
Tubing Si 2.375	ze		Weight 4.7		Internal I 1.995	Internal Diameter Set at 1.995 4416				Perforations To					
Type Con Single	npletion	(De			Type Flui	Type Fluid Production H2o/Oil				Pump Unit or Traveling Plunger? Yes / No Pumping Unit					
	Thru (Ann	ulus / Tubing)	ı	% C	% Carbon Dioxide				% Nitrogen G			avity -	G _g	
Annulas	-				.1780					5.1432 .69					
Vertical D	epth(H)					Pi	ress	ure Taps				(Meter I	Run) (f	Prover) Size	
Pressure	Buildup	: \$	Shut in 11/2	72	0 12 at 8	15 AM		(AM) (PM)	Taken_1	1-28	20	12 _{at} 815 Al	М	(AM) (PM)	
Well on L	ine:		Started	2	0 at			(AM) (PM)	Taken		20	at		(AM) (PM)	
						OBSER	VE	SURFAC	E DATA			Duration of Shut-	in	Hours	
Static / Dynamic Property	Orific Size (inche		Circle one: Meter Prover Pressur		Flowing Temperature t	Well Hea Temperat	- 1	Cas Welthead (P _w) or (F	Pressure	Wellho	Tubing each Pressure or (P_1) or (P_2)	Duration Liquid Produced (Hours) (Barrels)		II	
Shut-In			psig (Pm)	Inches H ₂ 0				psig	psia 214	psig	psia		ļ		
			·						214	 					
Flow]								<u> </u>	<u> </u>				
5 .			Circle one:			FLOW S	TRI	EAM ATTR	IBUTES					Flouring	
Plate Coefficcient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Gravity Factor F _g		Te	Flowing emperature Factor F _{f1}	Fa	viation actor F _{pv}	Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
i					(2220)						<u> </u>		.		
(P)2			(P _w) ² =_		(OPEN FL		LIVE %	ERABILITY) CALCUI ² , - 14.4) +			(P _a)	$a^2 = 0.3$	207	
$(P_c)^2 = $		· · (P		haose formula 1 or 2			<u>'</u>	Backpre	ssure Curve	•	roe	\' d/	0	pen Flow	
or (P _c) ² - (I	P _d) ²		d	2. $P_c^2 - P_d^2$ ivided by: $P_c^2 - P_w^2$	1. or 2. and divide	P _c ² ·P _w ²		As	or signed lard Slope	- " ^		Antilog		s R x Antilog (Mcfd)	
Open Flo	w			Mcfd @ 14.	65 psia			Deliverat	ility			Mcfd @ 14.65 psi	ia		
			I authority, on							//////	Describer	ort and that he ha	•	vledge of 20 <u>12 .</u> .	
			Witness (if	any)			-	1			For	Company			
			For Commis	sion			_	-			Che	cked by			

***	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 Union Valley Petroleum Corporation 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 Clark #1-4 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: 12-12-12 Signature: President

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.

95411022 Clark =1-1 Analysis

Date-Time: 05/02/12 19:49 Analysis Time: Stream: 1 Stream 1 Mode: ANLY Analyzer: 185175-2 Strm Seq:1 95411022 H2S 0 PPM PSIG 50.2 TEMP 101.9 230 Cycle Time: 240 Cycle Start Time: 19:45

Component	Mole	Gallons/	BTU	Relative
Name	Percent	1000 SCF	Gross	Density
C6+ 47/35/17	0.7610	0.3396	40.25	0.0252
PROPANE	3.0530	0.8409	76.99	0.0465
i-BUTANE	0.3965	0.1297	12.92	0.0080
n-BUTANE	1.0760	0.3391	35.18	0.0216
i-PENTANE	0.2754	0.1007	11.04	0.0069
n-PENTANE	0.3709	0.1344	14.90	0.0092
NITROGEN	5.1432	0.0000	0.00	0.0497
METHANE	82.0935	0.0000	831.07	0.4547
CARBON DIOXIDE	0.1780	0.0000	0.00	0.0027
ETHANE	6.6525	1.7787	118.00	0.0691
TOTALS	100.0000	3.6631	1140.36	0.6936

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Compressibility Factor (1/z) @ 14.73000 PSIA & 60.0 DEG.F= 1.00293

Base Pressures		14.73000	
Gross Dry BTU Gross SAT BTU Gallons/1000 SCF C2+ Gallons/1000 SFC C3+ Gallons/1000 SCF C4+ Gallons/1000 SCF C5+ Gallons/1000 SCF C6+ Real Relative Density Ga Unnormalized Mole Percen	= = = = = = = S =	1.8844 1.0435 0.5747	Corrected/Z Corrected/Z

^{&#}x27;*' indicates user-defined components