KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			6	See Instructi	ons on Rev	erse Side) \5	5-077-	21	447	- OO	-01	
✓ Open Flow				Test Date	i.									
Del	liverabilty	<i>'</i>		11-27-	<u> አ</u>									
Company Union Va		troleum Corpo	ration			Lease Witters	_				1-28	Well Nu	mber	
County Location HARPER C W/2 NW			Section TWP 28 33S			RNG (E/W) 6W			Acres Attributed 80		attributed			
Field Anthony			Reservoir Mississippi				Gas Gathering Connection Atlas					RECEN	/EL	
Completion Date 3-13-03			Plug Back Total Depth 4880				Packer Set at none					EC 14		
Casing Size Weight 5.5 15.5			Internal Diameter 4.96					Perforations 4464		To 4474		C WICI		
Tubing Size Weight 2.375 4.7		Internal Diameter 1.995		Set at F 4553		Perfo	Perforations		То			11)		
Type Con single	npletion ((Describe)			Type Fluid Production water/oil			Pump Unit or Traveling Plunger? Yes / No pumping unit						
	Thru (A	Annulus / Tubing)		% C	% Carbon Dioxide			% Nitrogen			Gas Gravity - G _g			
annulas				.1673							.6915			
Vertical D	epth(H)				Pressure Taps						(Meter I	Run) (Pi	rover) Size	
Pressure	Buildup:	Shut in 11-2	27 2	12 at 9	00 am	(AM) (PM)	Taken 1	1-28	20	12 _a	900	((AM) (PM)	
Well on L	ine:	Started	2	0 at		(AM) (PM)	Taken		20	8	ıt	((AM) (PM)	
					OBSERVE	SURFACI	E DATA			Durati	on of Shut-	in	Hours	; ;
Static / Dynamic Property	Orifice Size (inches	Meter Prover Pressur	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P _w) or (P	Pressure	Wellho	Tubing ead Pressure or (P ₁) or (P _c)		uration Hours)		d Produced Barrels)	
Shut-In		poig (i iii)	monos vi ₂ o			psig	95ia 341	psig	psia					
Flow														
			n'		FLOW STR	EAM ATTR	IBUTES						1	1
Plate Circle one: Coefficient Meter or (F _b) (F _p) Prover Pressure psia Press Extension ✓ P _m x h		Gravity T Factor F		Flowing emperature Factor F _{ft}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barre!)		Flowing Fluid Gravity G _m			
				(OBEN EL	OW) (DELIV	EDADILITY) CAI CIII	ATIONS		ļ			<u> </u>	j
P)2 =		: (P _w) ² =_	:	P _d =	, ,		, on Loo. _c - 14.4) +		:		(P _a)	$r^2 = 0.2$:07	
(P _c) ² · (r or (P _c) ² · (r	P_)²	(P _c) ² - (P _w) ²	1. $P_c^2 \cdot P_a^2$ 2. $P_c^2 \cdot P_a^2$ livided by: $P_c^2 \cdot P_a$	LOG of formula 1. or 2. and divide		Backpre Stor	ssure Curve pe = "n" or- signed lard Slope	e n x	LOG	,	Antilog	Op Det Equals	pen Flow iverability s R x Antilog (Mcfd)	
														-
												<u> </u>]
Open Flo	w		Mcfd @ 14	.65 psia		Deliverat	onity		3/2 - (1)		@ 14.65 ps			•
	_	ned authority, on erein, and that sa						/ / //	pe apove period	pt-and	That he ha		eledge of 20 12 12 12 12 12 12 12 12 12 12 12 12 12	
		Witness (if	any)			-	4	<i></i>	For	Company				-
		Far Commi	ssion			-			Chec	ked 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 Witters #1-28 gas well on the grounds 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
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.

95401046 k., TUS × 1,-28 Analysis

Date-Time: 09/21/12 09:43 Analysis Time: Stream: 1 Stream 1 Mode: ANLY Analyzer: 204295 Strm Seq:1 95401046 H2S 0.0 PSIG 30.3 TEMP 71.3 230 Cycle Time: 240 Cycle Start Time: 09:39

Component	Mole	Gallons/	BTU	Relative
Name	Percent	1000 SCF	Gross	Density
C6+ 47/35/17	0.6582	0.2937	34.81	0.0218
PROPANE	3.0601	0.8428	77.17	0.0466
i-BUTANE	0.4090	0.1338	13.33	0.0082
n-BUTANE	1.0626	0.3349	34.75	0.0213
i-PENTANE	0.2436	0.0891	9.77	0.0061
n-PENTANÉ	0.3348	0.1213	13.45	0.0083
NITROGEN	5.5190	0.0000	0.00	0.0534
METHANE	81.7748	0.0000	827.84	0.4530
CARBON DIOXIDE	0.1673	0.0000	0.00	0.0025
ETHANE	6.7706	1.8102	120.10	0.0703
TOTALS	100.0000	3.6259	1131.22	0.6915

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'*' indicates user-defined components

Compressibility Factor (1/Z) @ 14.73000 PSIA & 60.0 DEG.F= 1.00289

Base Pressures	 14.73000	
Gallons/1000 SCF C2+ Gallons/1000 SFC C3+ Gallons/1000 SCF C4+ Gallons/1000 SCF C5+	0.5041 0.2937	Corrected/Z Corrected/Z

ACTIVE ALARMS None