KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruc	ctions on Re	verse Side	9)					
Op	en Flow												
□ De	Deliverabilty		Test Date:				API N	0. 15	5-101:	77 4	2000		
						Lease			Ųd	3 /0/0			
Company		Francis (Dil Compan	NT 7		Harper	ı				Well No B-1	imoer	
County	TTOCT	Locat		Section		Harper TWP		RNG (E/V	vs			Attributed	
•	ark	NE SW N		19		345		21W	••/	•	NOIGO F	Millouida	
Field	GLA.	13-000 13	14-17	Reservoi	r	340			ring Connect	ion			
Ha	rper			Morro	K a7			DLP		-			
Completio	_				k Total Depti	h		Packer Se	t at				
4/27/61			5	531			•	None	•				
Casing Size Weight		Internal Diameter		Set at		Perforations		To					
4.5 9.5		5	4.090		5590		5382		૦ ,	<u>5392</u>			
Tubing Si	Tubing Size W					Set at		Perforations		To			
	375		<u>.7</u>		95	534	48						
		Describe)		Type Flui	d Production	1		Pump Unit	or Traveling F	Plunger? Yes) No		
<u> </u>	ingle	·											
	•	nnulus / Tubing)	% Carbon	1 Dioxide			% Nitroger	1	Gas G	ravity - G	i _g	
	bing					·							
Vertical D	ерин(H) 187				Pressi O:	ure Taps				(Meter		rover) Size	
			al. =1		<u> </u>	pe	7				4_		
Pressure	Buildup:	Shutin	1/15/12 11	9 at		(AM) (PM)	Taken	8/16/	19 .	at	((AM) (PM)	
Well on Li			-					* . /			at (AM) (PM)		
*************		3121100		, a		(AIN) (FIN)	I EKETI	•	· · · · · · · · ·	at		AM) (FM)	
					OBSERVE	D SURFAC	E DATA		Г	Ouration of Shut	-io	Hours	
		Circle one:	Pressure		İ	Cas		Tu	bing	JOREMON OF STILL	" 	- Hours	
Static /. Dynamic	Orifice Size	Meteros	Differential	Flowing Temperature	Well-Head Temperature	Wellhead Pressure (P_u) or (P_t) or (P_t)		Wellhead Pressure (P _u) or (P _s) or (P _a)		Duration	Liqui	Liquid Produced (Barrels)	
Property	inches	Prover Pressu	in (h) Inches H _s 0	1.	ŧ					(Hours)	(
<u> </u>			111111111111111111111111111111111111111	<u> </u>		peig	pale	pelg	pela		+		
Shut-In								95		24			
Flow			·					}					
ŧ		_ .		<u> </u>	ELOW STD	EAM ATTR	IDIITEE	<u> </u>	<u> </u>		<u>-i</u>		
		Circle one:			FEOW SIR		IBUIES				-		
Plate Coeffieci	ent	Meter or		Press Gra		Termnerature		viation Metered Flow		GOR		Flowing Fluid	
(F,) (F,		rover Pressure	√ P_x H_	Fact	or '	Factor		tor R (Mcfd)		' (Cubic Fr		Gravity	
Mcld		psia			'	F,	·	-,,	(111010)		•	G.	
	··········		1										
				(OPEN FL	OW) (DELIV						$)^2 = 0.2$.07	
P _e)2 =	:	(P _#) ² =		₽, =		% (F	- 14.4) +	· 14.4 =	 :	(P _a)2 =		
$\{P_q\}^2 - (P_q)^2$ $(P_z)^2$		تر ۱۹)۲۰ (۹)۲	Choose formula 1 or 2 1 P 2 P 2		LOG of		Backpressure Curve		• I rai		0	Open Flow	
(P _a) ₂ - (P _a) ₂		ا دریا دریا		tormula		Siope = "n" Or Assigned Standard Siope		_ n x LOG		Antilog		Deliverability	
		ļ	2. P.1. P.1	1, or 2. and divide	P. 2 . P. 2			.		~	Equal	s R x Antilog Mofd	
	 	j j	dreded by: P 2 - P	oy:		Stand	ard Slobe						
	!					ļ			-				
						<u> </u>							
					.	<u> </u>	• •				Щ.		
pen Flow Mcfd @ 14.65		5 psla		Deliverability		Mcfd		cid © 14.65 psi	Q 14.65 psia				
The	ndersion	ed authority on	behalf of the C	ompany ets	les that he is	t duly author	rized to me	ke the sho	e monet and t	hat he haz kno:	wlados /	of the facts	
	-	-		•		T = 1		C 1.	•	1357 115 1155 VIIO.			
ated then	ein, and t	hat said report	is true and corre	ect. Execute	d this the _	28	day o	1 <u>Lev</u>	<i>cuary</i>			19 2013	
	·				 	-		Solve	t'y	Jajan_	F	RECEIVE	
		Wilness (i	e erry;						For Co	mpagry	M	AR 114 20	
		For Comm	nission			-	 		Check	ed by			
										-	KC(AR 04 20 C WICHI	

I declare under penalty or perjury under the laws of the state of Kansas that I am authorized status under Rule K.A.R. 82-3-304 on behalf of the operator <u>Kaiser Francis Continued that the foregoing information and statements contained on this application form are to best of my knowledge and belief based upon gas production records and records of each on and/or of type completion or upon use of the gas well herein named. I hereby request a permanent exemption from open flow testing for the <u>Harper B-1</u></u>	oi 1 Company rue and correct to quipment installa	- o
as 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 E is on vacuum at the present time; KCC approval Docket No is incapable of producing at a daily rate in excess of 150 mcf/D	:R 	
Date: 2/28/13		
	e di se septembro de consessione de	t i
Signature:		-

Instructions:

All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets 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 obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be 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.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.