

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST
 See Instructions on Reverse Side

FORM G-2
 (Rev. 8/98)

COPY
 KCC WICHITA
 12-200

Type Test:
☐ Open Flow
☒ Deliverability

TEST DATE: 8-26-02

API No. 15-175-21873

COMPANY Helmerich & Payne, Inc.		LEASE Jenkins		Well Number 1-2	
COUNTY Seward	LOCATION 1250 FSL & 4030 FEL	SECTION 28	TWN 31S	RNG 32W	ACRES 640
FIELD Hugoton	RESERVOIR Chase	PIPELINE CONNECTION Oneok			
COMPLETION DATE 7/18/02	PLUG BACK TOTAL DEPTH 2786'	PACKER SET AT			
CASING SIZE 5 1/2	WT. 14	I.D.	SET AT 2826	PERF 2648	TO 2688
TUBING SIZE 2 3/8	WT.	I.D.	SET AT 2600	PERF	TO
TYPE COMPLETION (Describe) Single		TYPE FLUID PRODUCTION		PUMP UNIT OR TRAVELING PLUNGER? YES/NO	
PRODUCING THRU Tbg/Csg		RESERVOIR TEMPERATURE F		BAR.PRESS Pa 14.4 Psia	
GAS GRAVITY - Gg		%CARBON DIOXIDE	%NITROGEN	API GRAVITY OF LIQUID	
VERTICAL DEPTH (H) 2835		TYPE METER CONN. Flange		(METER RUN)(PROVER)SIZE 2 x 1.000	
SHUT-IN PRESSURE: SHUT IN: 8/23		20 02 at		(AM) (PM) TAKEN 8/26	
FLOW TEST: STARTED 8/19		20 02 at		(AM) (PM) TAKEN 8/22	

OBSERVED DATA						DURATION OF SHUT-IN				HR.	
SHUT-IN OR FLOW	ORIFICE SIZE In.	(METER) (PROVER) PRESSURE Psig	DIFF. in. (Hw)(Hd)	FLOWING TEMP. T	WELL- HEAD TEMP. T	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. BbLS.
						psig	(Pw)(Pt)(Pc) psig	psig	(Pw)(Pt)(Pc) psig		
SHUT-IN		117.1				117.1	131.5				
FLOW	1.125	41.5	1.7			82	96.4				

RATE OF FLOW CALCULATIONS								
COEFFICIENT (Fb)(Fp) Mcf/d	(METER) (PROVER) PRESSURE Psig	EXTENSION Pmxhw	Gravity Factor Fg	Flowing Temp Factor Ft	Deviation Factor Fpv	Rate of Flow R Mcf/d	GOR	Gm
5950.3	55.9	9.75				58.02		

(OPEN FLOW) (DELIVERABILITY) CALCATIONS

(Pc)2 = 17292.25 (Pw)2 = 9292.96		Pd =		% (Pc-14.4) + 14.4 =		(Pa)2 = 0.207 (Pd)2 = 259.01	
(Pc)2-(PA)2 OR (Pc)2-(Pd)2	(Pc)2 - (Pw)2	$\left[\frac{Pc2-Pz2}{Pc2-Pw2} \right]$	LOG $\left[\right]$	"n"	N x Log $\left[\right]$	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R X ANTILOG MCFD
17033.04	7999.29	2.13	.33	.85	.28	1.90	110.3

OPEN FLOW Mcfd @ 14.65 psia DELIVERABILITY 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 5th day of September, 20 02.

Witness (if any)

Helmerich & Payne, Inc.
 For Company
Sharon Lee Valley
 Checked by