

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

FORM G-2
 (Rev. 8/98)

Type Test:
 Open Flow

Deliverability

TEST DATE: 8-26-02

API No. 15-175-21782

COMPANY Helmerich & Payne, Inc.		LEASE Masoner		Well Number 1-2	
COUNTY Finney	LOCATION 2740 FSL & 2112 FEL	SECTION 31	TWN 26S	RNG 31W	ACRES 640
FIELD Hugoton		RESERVOIR Chase		PIPELINE CONNECTION Oneok	
COMPLETION DATE 7/30/02		PLUG BACK TOTAL DEPTH 2783'		PACKER SET AT	
CASING SIZE 5 1/2	WT. 14	I.D.	SET AT 2823	PERF 2658	TO 2665
TUBING SIZE 2 3/8	WT.	I.D.	SET AT 2693	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 20_02_ at (AM) (PM)					
FLOW TEST: STARTED 8/19 20_02_ at (AM) (PM) TAKEN 8/22 20_02_ at (AM) (PM)					

SHUT-IN OR FLOW	ORIFICE SIZE In.	(METER) (PROVER) PRESSURE Psig	DIFF. in. (Hw)(Hd)	FLOWING TEMP. T	WELL-HEAD TEMP. T	OBSERVED DATA		DURATION OF SHUT-IN		LIQUID PROD. BbLS.	
						CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.			DURATION HOURS
						psig	(Pw)(Pt)(Pc) psig	psig	(Pw)(Pt)(Pc) psig		
SHUT-IN		149.9				149.9	164.3				
FLOW	1.00	38.5	8.2			110	124.4				

RATE OF FLOW CALCULATIONS								
COEFFICIENT (Fb)(Fp) Mcfd	(METER) (PROVER) PRESSURE Psig	EXTENSION Pmxhw	Gravity Factor Fg	Flowing Temp Factor Ft	Deviation Factor Fpv	Rate of Flow R Mcfd	GOR	Gm
5950.3	52.9	20.83				123.9		

(OPEN FLOW) (DELIVERABILITY) CALCATIONS

(Pc)2 = 26994.49 (Pw)2 = 15475.36		Pd =		%		(Pc-14.4) + 14.4 =		(Pa)2 = 0.207
(Pc)2 - (Pw)2		$\left[\frac{Pc^2 - Pw^2}{Pc^2 - Pw^2} \right]$	LOG $\left[\quad \right]$	"n"	N x Log $\left[\quad \right]$	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R X ANTILOG MCFD	(Pd)2 = 259.01
26735.48	11519.13	2.32	.37	.85	.31	2.05	253.45	

OPEN FLOW

Mcf @ 14.65 psia

DELIVERABILITY

Mcf @ 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 the 5th day of September, 20_02_.

Helmerich & Payne, Inc.

For Company

Sharon LaValley
 Checked by

Witness (if any)