

STATE OF KANSAS - CORPORATION COMMISSION

STABILIZED OPEN FLOW OR DELIVERABILITY TEST

15-189-20558-0006
 2-9-89
 1-2-89

TYPE OF TEST:	INITIAL	ANNUAL	SPECIAL	TEST DATE
STATE	ONE POINT			9/16/88
COMPANY	LEASE & WELL NO.			ACRES
ANADARKO PETRO. CORP.	STEPHENS 2-16			
COUNTY	LOCATION	SEC.	TWN./BLK.	RNG./SRVY. LEASE NO.
STEVENS	C NE/4	16	33s	36w
FIELD	FIELD NO.	RESERVOIR	PIPE LINE CONNECTION	
WALKEMEYER	-	MORROW	ENRON	
COMPLETION DATE	TOTAL DEPTH	PLUG BACK T.D.		ELEVATION
7/17/82	6200	6143		3035
CASING SIZE	WT.	I.D.	SET AT:	PERFORATIONS FROM TO
4.500	11.6	4.000	6199	6064 6082
TUBING SIZE	WT.	I.D.	SET AT:	PERFORATIONS FROM TO
2.375	4.7	1.995	6051	

TYPE OF COMPLETION	PACKER SET AT	PRODUCING THRU	RESERVOIR TEMP	P _g
SINGLE GAS	-	T		14.4
L.	H.	G _g	% CO	% N
6073	6073	.651	.31	2.24
			H ₂ S	PROVER
			-	-
			METER RUN	TAPS
			3	F

NO.	FLOW DATA			TUBING DATA		CASING DATA		DURATION OF FLOW HOURS	
	APPROX (LINE) ORIFICE SIZE	PRESS. PSIG.	DIFF. (IN) PRESS	TEMP. °F	PRESS. PSIG.	TEMP. °F	PRESS. PSIG.		TEMP. °F
1	3x.750	68.5	25	95			533.6	60	72
2							376.1	60	24
3									
4									
5									

NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	PRESSURE PSIA	FLOW TEMPERATURE FACTOR (F _f)	GRAVITY FACTOR (F _g)	SUPER-COMP. FACTOR (F _{pv})	RATE OF FLOW Q, MCFD
	1	2.740	45.525	82.9	.9680	1.239	1.011
2							
3							
4							
5							

NO.	P _r	TEMP. R	T _r	Z	P _w	P _w ²	P _c ² ·P _w ²	G.O.R.	MCF/BBL
	1	.12	555	1.50	.979	390.5	152.5	147.8	A.P.I. Gravity
2								G _g	.651
3								G _m	.651
4								P _{cr}	667 psia
5								T _{cr}	369 R

OPEN FLOW OR DELIVERABILITY CALCULATIONS

P_c 548.0 P_c² 300.3 P_d _____ P_d² .2

P _c ² ·P _d ²	P _c ² ·P _w ²	$\frac{P_c^2 P_d^2}{P_c^2 P_w^2}$	$\left[\frac{P_c^2 P_d^2}{P_c^2 P_w^2}\right]^n$	WELLHEAD OPEN FLOW	P _c ² ·P _d ²	$\frac{P_c^2 P_d^2}{P_c^2 P_w^2}$	$\left[\frac{P_c^2 P_d^2}{P_c^2 P_w^2}\right]^n$	DELIVERABILITY
300.1	147.8	2.030	1.425	215				

WELLHEAD OPEN FLOW 215 ANGLE OF SLOPE 0 SLOPE, n .500

REMARKS:

APPROVED BY COMMISSION	CONDUCTED BY	CALCULATED BY	CHECKED BY
	Fred Cress	Fred Cress	

RECEIVED
 STATE CORPORATION COMMISSION
 1-19-89
 CONSERVATION DIVISION
 Wichita, Kansas