STATE OF KANSAS – CORPORATION COMMISSION BD

FORM C-1
8-7-58

MULTIPOINT BACK PRESSURE TEST

TYPE TEST: ☒ Initial ☐ Annual ☐ Special TEST DATE: 12/6/67

COMPANY	LEASE	WELL NO.
Anadarko Production Company	Fox "C"	1

COUNTY	LOCATION	SECTION	TWP	RNG	ACRES
Meade	C SW NE	17	34S	30W	

FIELD	RESERVOIR	PIPELINE CONNECTION
Novinger SW	Upper Morrow	None

COMPLETION DATE	PLUG BACK TOTAL DEPTH	PACKER SET AT
11/30/67	5896 TD - 6600	None

CASING SIZE	WT.	ID	SET AT	PERF.	TO
4-1/2	10.5	4.052	5925	5806	16

TUBING SIZE	WT.	ID.	SET AT	PERF.	TO
2-3/8	4.7	1.995	5823	5792	5816

TYPE COMPLETION (Describe)	TYPE FLUID PRODUCTION
Single Gas	Gas - Condensate

PRODUCING THRU	RESERVOIR TEMPERATURE F	BAR PRESS – P_a
Tubing	134°F @ 5812	14.4 Psia

GAS GRAVITY – G_g	% CARBON DIOXIDE	% NITROGEN	API GRAVITY OF LIQUID
.6637	0.14	3.37	67.8

VERTICAL DEPTH (H)	TYPE METER CONN.	~~METER RUN~~ (PROVER) SIZE
		2"

REMARKS

OBSERVED DATA

DURATION OF SHUT-IN 135-1/4 HR.

RATE No.	ORIFICE SIZE in.	~~METER~~ (PROVER) PRESSURE psig	DIFF. (h_w) (h_d)	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASING WELLHEAD PRESS. psig	CASING WELLHEAD PRESS. $(P_w)(P_t)(P_c)$ psia	TUBING WELLHEAD PRESS. psig	TUBING WELLHEAD PRESS. $(P_w)(P_t)(P_c)$ psia	DURATION HOURS	LIQUID PROD. Bbls.
SHUT IN						1615.0	1629.4	1616.0	1630.4	135½	
1	3/4	163.5		51		1608.0	1622.4	1580.0	1594.4	1	0.5
2	3/4	374.5		58		1589.0	1603.4	1449.0	1463.4	1	2.0
3	3/4	534.0		59		1566.0	1580.4	1266.0	1280.4	1	4.0
4	3/4	730.0		65		1535.0	1549.4	961.0	975.4	1	4.0
5											10.5

RATE OF FLOW CALCULATIONS

RATE NO.	COEFFICIENT $(F_b)(F_p)$ Mcfd	~~METER~~ (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m x h_w}$	GRAVITY FACTOR F_g	FLOWING TEMP FACTOR F_t	DEVIATION FACTOR F_{pv}	RATE OF FLOW Q Mcfd	GOR	G_m
1	9.694	177.9		1.227	1.009	1.018	2,174	182,000	
2	9.694	388.9		1.227	1.002	1.039	4,816	100,500	
3	9.694	548.4		1.227	1.001	1.056	6,895	71,750	
4	9.694	744.4		1.227	0.9952	1.074	9,464	98,500	
5								92,667	

PRESSURE CALCULATIONS

RATE NO.	P_t psia	P_c psia	P_w psia	$(P_c)^2$ THOUSANDS	$(P_w)^2$ THOUSANDS	PLOTTING POINTS $(P_c)^2-(P_w)^2$ THOUSANDS	PLOTTING POINTS Q Mcfd	% SHUT-IN $100\left[\frac{P_w-P_a}{P_c-P_a}\right]$
1	1594.4	1630.4	1622.4	2658.2	2632.2	26.0	2,174	99.5
2	1463.4	1630.4	1603.4	2658.2	2570.9	87.3	4,816	98.3
3	1280.4	1630.4	1580.4	2658.2	2497.7	160.5	6,895	96.9
4	975.4	1630.4	1549.4	2658.2	2400.6	257.6	9,464	95.0
5								

INDICATED WELLHEAD OPEN FLOW 43,500 Mcfd @ 14.65 psia $n^{0.9}$ = 0.646

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 17th day of July, 1968.

Witness (if any)

For Commission

For Company

Checked by