

STATE OF KANSAS - CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST

FORM G-1
8-7-58

TYPE TEST: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		TEST DATE: 7-28-98	
COMPANY Western Operating		LEASE Siverson	
COUNTY Greeley		WELL NO. 1-23	
LOCATION 490' FNL 540' F		ACRES 640	
FIELD No Man's		SECTION TWP RNG 23-20S-42W	
RESERVOIR Morrow V-7		PIPELINE CONNECTION	
COMPLETION DATE 7-7-87		PLUG BACK DEPTH TOTAL DEPTH 5300	
CASING SIZE 4.500		PACKER SET AT TO 5134	
TUBING SIZE 2.375		PERF. TO 5134	
TYPE COMPLETION (Describe) Single		TYPE FLUID PRODUCTION Dry Gas	
PRODUCING THRU TUB		RESERVOIR TEMPERATURE F 151.55	
GAS GRAVITY - Gg .824		BAR PRESS - Pa 14.4 psia	
% CARBON DIOXIDE .440		API GRAVITY OF LIQUID	
VERTICAL DEPTH (H) 5124		% NITROGEN 45.940	
REMARKS		TYPE METER CONN. 2"	

OBSERVED DATA

RATE NO.	ORIFICE SIZE in.	(PROVER) PRESSURE psig	DIFF. (h _w) (h _t)	FLOWING TEMP. t.	WELLHEAD TEMP. t.	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w)(P _t)(P _c) psia	psig	(P _w)(P _t)(P _c) psia		
SHUT-IN						948	962			24.00	
1.	.313	880.00		78	78	885	899			2.00	
2.	.375	839.00		82	82	855	869			2.00	
3.	.438	774.00		84	84	800	814			2.00	
4.	.500	696.00		84	84	738	752			2.00	

RATE OF FLOW CALCULATION

RATE NO.	COEFFICIENT (F _p) Mcfd	(PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW Q Mcfd	GOR	G _m
1.	1.714	894.4	894.40	1.1015	.9831	1.0506	1744		.824
2.	2.439	853.4	853.40	1.1015	.9795	1.0471	2351		.824
3.	3.495	788.4	788.40	1.1015	.9777	1.0432	3095		.824
4.	4.388	710.4	710.40	1.1015	.9777	1.0393	3489		.824

PRESSURE CALCULATION

RATE NO.	P _t psia	P _c psia	P _w psia	(P _c) ² Thousands	(P _w) ² Thousands	PLOTING POINTS		% SHUT-IN 100 $\left[\frac{P_w - P_a}{P_c - P_a} \right]$
						(P _c) ² - (P _w) ² Thousands	Q Mcfd	
1.	14.4	962.4	899.4	926.2	808.9	117.3	1744.2	93.4
2.	14.4	962.4	869.4	926.2	755.9	170.4	2351.5	90.2
3.	14.4	962.4	814.4	926.2	663.2	263.0	3095.7	84.4
4.	14.4	962.4	752.4	926.2	566.1	360.1	3489.0	77.8

INDICATED WELLHEAD OPEN FLOW 7673 Mcfd @ 14.65 psia "n" = .712

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 herein, and that said report is true and correct.

Executed this the _____ day of _____, 19 ____.

Witness (if any)

For Company

For Commission

Checked by