

KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST

FORM G-1
8-7-58

TYPE TEST: ☒ Initial ☐ Annual ☐ Special		TEST DATE: 12-10-2001	
COMPANY Hutchinson Oil Company		LEASE Hitz	WELL NO. 1
COUNTY Stafford	LOCATION SW SW NW	SECTION 5	TWP 23s 12w
FIELD Wildcat	RESERVOIR Lansing	PIPELINE CONNECTION Sandhills L.L.C.	
COMPLETION DATE 9/15/2001	PLUG BACK DEPTH 3700	PACKER SET AT 3536	
CASING SIZE 4.500	WT. 14.000	ID 5.000	SET AT 3755
TUBING SIZE 2.375	WT. 4.700	ID 1.995	SET AT 3566
TYPE COMPLETION (Describe) Rework		TYPE FLUID PRODUCTION oil/water	
PRODUCING THRU (Annulus/Tubing) tubing		RESERVOIR TEMPERATURE F 115	BAR PRESS - Pa 14.4 psia
GAS GRAVITY - Gg .743	% CARBON DIOXIDE .190	% NITROGEN 23.103	API GRAVITY OF LIQUID
VERTICAL DEPTH (H) 3530	TYPE METER CONN. flange		METER RUN SIZE 2.067
REMARKS Choke freezing off during 1st pt			

OBSERVED SURFACE DATA

RATE NO.	ORIFICE SIZE in.	(METER) 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								1006	1020		
1.	.750	25.00	6.00	51				954	968	1.00	
2.	.750	23.00	10.00	57				904	918	.80	
3.	.750	46.00	20.00	61				785	799	.80	
4.	.750	72.00	34.00	61				684	698	.80	

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F _b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW Q Mcfd	GOR	G _m
1.	2.779	39.4	15.38	1.1604	1.0088	1.0032	50		.743
2.	2.779	37.4	19.34	1.1604	1.0029	1.0028	62		.743
3.	2.779	60.4	34.76	1.1604	.9990	1.0048	112		.743
4.	2.779	86.4	54.20	1.1604	.9990	1.0069	175		.743

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.	968.4	1020.4	968.4	1041.2	937.9	103.4	50.2	94.8
2.	918.4	1020.4	918.4	1041.2	843.5	197.7	62.7	89.9
3.	799.4	1020.4	799.6	1041.2	639.3	401.9	112.5	78.0
4.	698.4	1020.4	698.8	1041.2	488.3	552.9	175.8	68.0

INDICATED WELLHEAD OPEN FLOW

314

Mcfd @ 14.65 psia

"n" = .991

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 14 day of Dec, 20 01

Witness (if any)

For Company

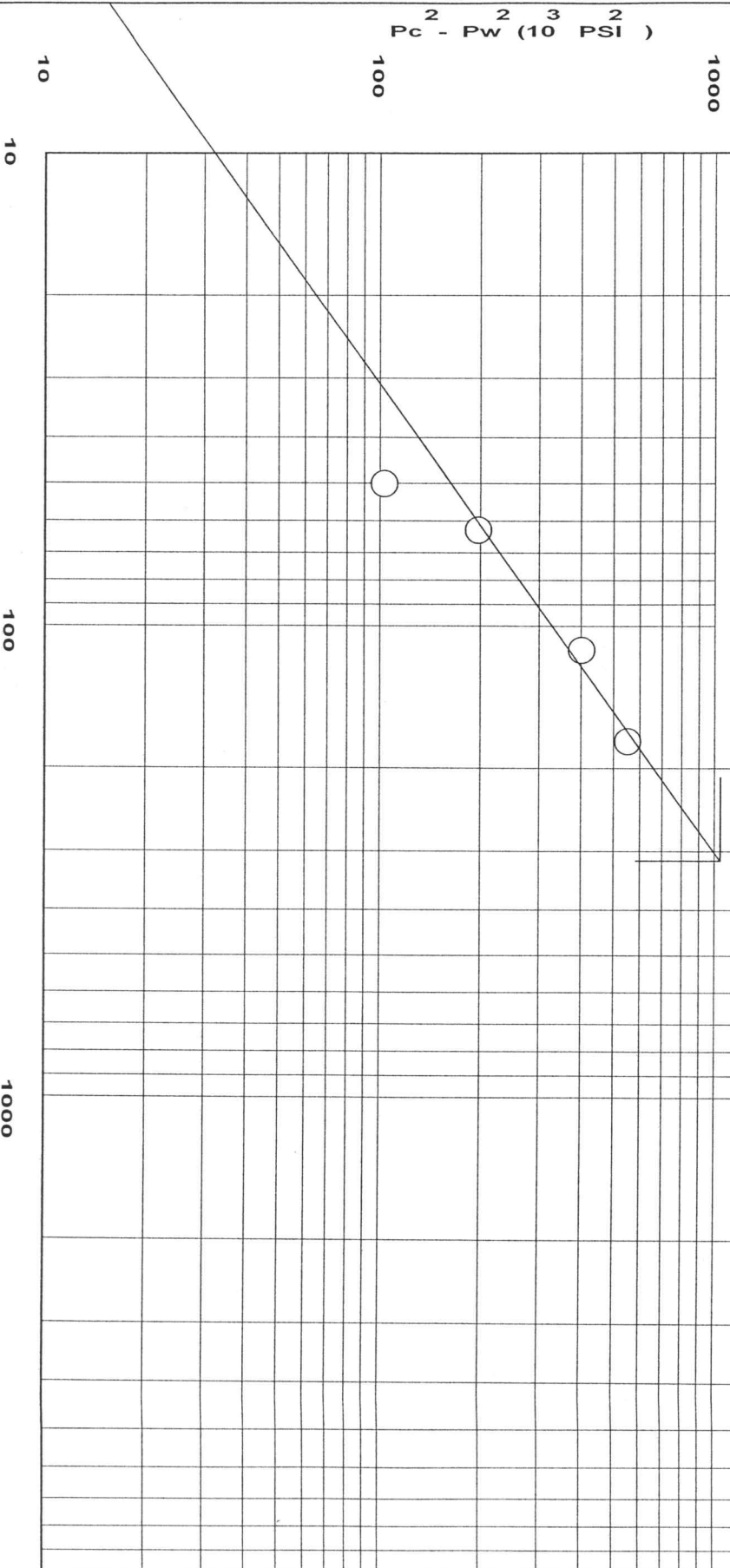
For Commission

Checked by

GAS WELL BACK PRESSURE CURVE

WELL TESTER: Trilobite Testing
TEST DATE: 12-10-2001

Hutchinson Oil Company
Hitz 1
5 23s 12w
Stafford, KS.
Exponent n: 0.9913
AOF: 314.



Q (MCF/DAY)

Hutchinson Oil Company
SW SW NW 5 23S 12W Stafford KS
Start Test Date: 2001/12/10
Final Test Date: 2001/12/11

FieldNotes Field Measurements

Hitz #1

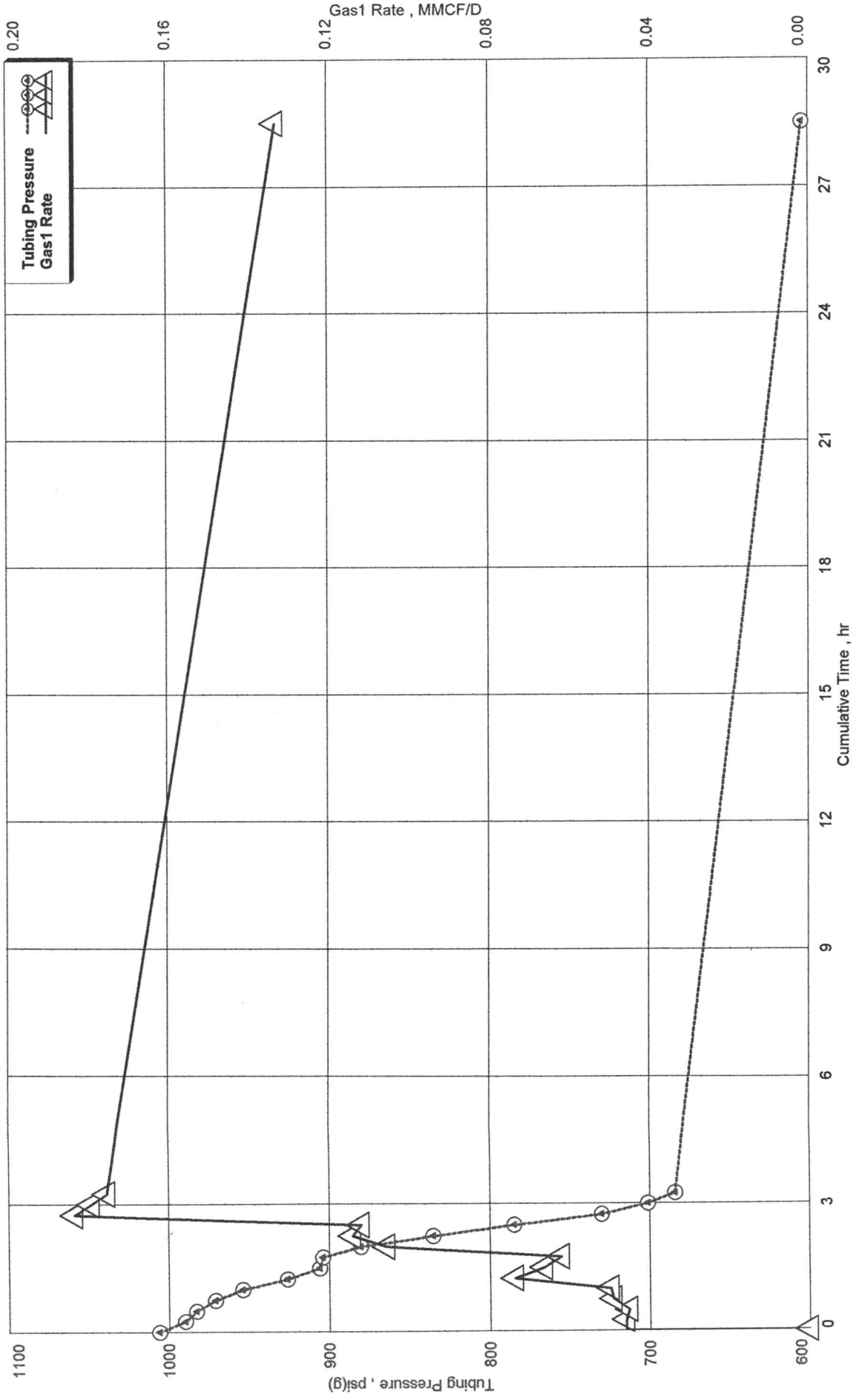
Date	Clock	Tubing	Static1	Diff1	Meter1	Gas1
yyyy/mm/d hh:mm:ss	Time	Comment	Pres	psi(g)	Temp	Rate
				in of H2O	°F	in MMCF/D
1 2001/12/10	09:30:00	shutin				
2	09:30:00		1006.00	0.00	0.00	0.000
3	09:45:00		990.00	19.00	6.00	0.046
4	10:00:00		983.00	18.00	6.00	0.045
5	10:15:00		971.00	24.00	6.00	0.049
6	10:30:00	1st pt				
7	10:30:00		954.00	25.00	6.00	0.050
8	10:45:00		926.00	29.00	12.00	0.074
9	11:00:00		906.00	28.00	10.00	0.067
10	11:15:00	2nd pt				
11	11:15:00		904.00	23.00	10.00	0.062
12	11:30:00		880.00	39.00	20.00	0.106
13	11:45:00		835.00	48.00	20.00	0.114
14	12:00:00	3rd pt				
15	12:00:00		785.00	46.00	20.00	0.112
16	12:15:00		730.00	66.00	40.00	0.183
17	12:30:00		701.00	71.00	36.00	0.179
18	12:45:00	4th pt				
19	12:45:00		684.00	72.00	34.00	0.175
20 2001/12/11	14:00:00		604.00	70.00	20.00	0.133

2001/12/10 09:30:00 To 2001/12/11 14:00:00
Gas 0.175 Cum. 0.175 MMCF

Hutchinson Oil Company
 SW NW 5 23S 12W Stafford KS
 Start Test Date: 2001/12/10
 Final Test Date: 2001/12/11

Hitz #1

Plot



Company:		Hutchinson Oil		303-533-3061					
Address:				Mark Hall					
Wellname:		Hitz #1		973-9961					
Legal:		Sec:		Twp:					
Rge:									
Formation:		Lansing		Field/Pool:					
County:		Stafford		St:					
Casing size:		Feet of:		Wt:					
Meter run size:		SI:		1006					
Tubing Size:		Feet of:		Wt:					
Orif (in):		95%		956					
TD:		Plugged back depth:		Packer depth:					
90%		905							
Type Test:		Tap Type:		Gravity:					
85%		855							
Type Completion:		Producing through:		80%					
808									
Date	Clk Tim	Tbg Pres	Csg Pres	Diff	Temp	Static/Prover	Wat Vol1	Oil Vol	Comment
mm/dd	clock	psi	psi	in of H2O	F	PSI	inch	inch	
12/10	930	1006							SF
	945	990		6"	47.3	19			
	1000	953		6"	49	18			
	1015	971		6"	50.9	24			
	1030	959		6"	51.1	25			1st pt
	1045	926		12	53.6	29			
	1100	906		10	53.6	28			
	1115	904		10	56.7	23			2nd pt
	1130	880		20	57.0	39			
	1145	866		20	58.5	48			
	1200	785		20	61.4	46			3rd pt
	1215	730		40	61.4	66			
	1230	701		36	62.1	71			
	1245	654		34	61.4	72			4th pt
Date	Miles	Name	Date	Miles	Name	Date	Miles	Name	
	27 mly								