

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: 10/6/03			
COMPANY Strata Exploration		LEASE Kelman		WELL NO. 1-A	
COUNTY Haskell	LOCATION 360'FNL 1012FEL	SECTION 27 29s 32w	TWP RNG	ACRES 320	
FIELD Lockport		RESERVOIR St. Louis A	PIPELINE CONNECTION OneOk		
COMPLETION DATE		PLUG BACK DEPTH 5588	PACKER SET AT 5468		TOTAL DEPTH 5588
CASING SIZE 5.500	WT. 15.500	ID 4.950	SET AT 5640	PERF. 5500	TO 5510
TUBING SIZE 2.780	WT. 6.500	ID 2.441	SET AT	PERF.	TO
TYPE COMPLETION (Describe) Perf - Acidize			TYPE FLUID PRODUCTION		
PRODUCING THRU (Annulus/Tubing) Tubing			RESERVOIR TEMPERATURE F 138	BAR PRESS - Pa 14.4 psia	
GAS GRAVITY - Gg .692		% CARBON DIOXIDE .119	% NITROGEN 11.329	API GRAVITY OF LIQUID	
VERTICAL DEPTH (H) 5505		TYPE METER CONN. Flange		METER RUN SIZE 3	
REMARKS					

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								1019	1033	72.00	
1.	2.125	40.40	8.20	65				978	992	1.00	
2.	2.125	44.20	33.50	72				915	929	1.00	
3.	2.125	45.90	39.50	83				863	877	1.00	
4.	2.125	47.70	53.80	86				814	828	1.00	

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.	25.400	54.8	21.20	1.2021	.9952	1.0046	647		.692
2.	25.400	58.6	44.31	1.2021	.9881	1.0047	1342		.692
3.	25.400	60.3	48.80	1.2021	.9786	1.0045	1464		.692
4.	25.400	62.1	57.80	1.2021	.9759	1.0046	1730		.692

PRESSURE CALCULATION

RATE NO.	Pt psia	Pc psia	Pw psia	(Pc) ² Thousands	(Pw) ² Thousands	PLOTTING 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.	992.4	1033.4	994.1	1067.9	988.2	79.7	647.1	96.1
2.	929.4	1033.4	936.8	1067.9	877.5	190.4	1343.0	90.5
3.	877.4	1033.4	886.7	1067.9	786.2	281.7	1464.8	85.6
4.	828.4	1033.4	842.1	1067.9	709.1	358.8	1730.2	81.2

INDICATED WELLHEAD OPEN FLOW

3506

Mcfd @ 14.65 psia

"n" = .651

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 10 day of Oct, 2003

Witness (if any)

For Commission

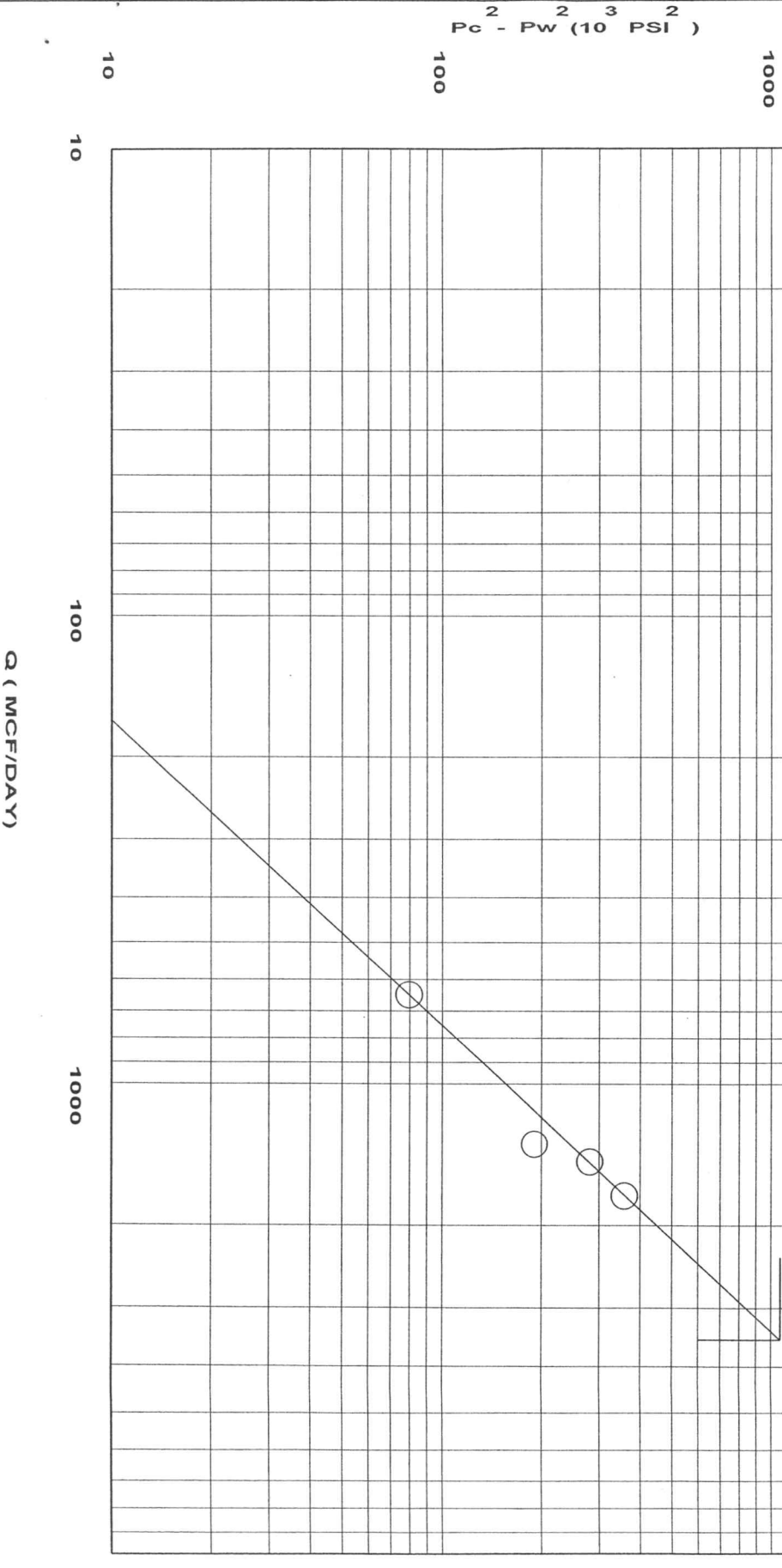
For Company

Checked by

GAS WELL BACK PRESSURE CURVE

WELL TESTER: Trilobite Testing
 TEST DATE: 10/6/03

Strata Exploration
 Kelman 1-A
 27 29s 32w
 Haskell, KS.
 Exponent n: 0.6514
 AOF: 3506.



Strata Exploration
 360FNL 1012FEL 27 29s 32s Haskell co KS
 Start Test Date: 2002/11/07

FieldNotes

Field Measurements

Kelman 1-A
 Formation: St Louis A

Date	Clock Time	Comments	Tubing		Diff1		Meter1		Static1		Orifice1		Gas1	Cum.
			Pres	Diff1	Pres	Temp	Pres	Orifice1	Rate	Gas1				
yyyy/mm/dd	hh:mm:ss		psi(g)	in of H2O	°F	psi(g)	in	MMCF/D	MMCF					
1 2003/10/06	11:15:00	Shutin	1019.00	0.00	0.00	0.00	2.125	0.000	0.000					
2	11:15:00		1009.00	2.99	66.40	38.80		0.382	0.004					
3	11:30:00		997.00	3.50	68.00	39.40		0.415	0.008					
4	11:45:00		989.00	6.19	66.60	40.00		0.555	0.013					
5	12:00:00													
6	12:15:00	1st point												
7	12:15:00		978.00	8.16	64.70	40.40		0.640	0.019					
8	12:30:00		966.00	12.70	60.40	41.20		0.808	0.027					
9	12:45:00		952.00	14.20	65.70	41.70		0.854	0.036					
10	13:00:00		935.00	20.40	69.30	42.90		1.031	0.045					
11	13:15:00	2nd point												
12	13:15:00		915.00	33.50	72.60	44.20		1.333	0.058					
13	13:30:00		878.00	46.30	75.30	45.40		1.580	0.073					
14	13:45:00		870.00	41.10	79.50	49.70		1.536	0.089					
15	14:00:00		868.00	36.70	81.00	45.60		1.401	0.104					
16	14:15:00	3rd point												
17	14:15:00		863.00	39.50	82.80	45.90		1.455	0.119					
18	14:30:00		840.00	50.40	84.60	47.00		1.657	0.135					
19	14:45:00		829.00	52.50	85.70	47.30		1.694	0.153					
20	15:00:00		821.00	54.20	86.00	47.80		1.728	0.171					
21	15:15:00	4th point												
22	15:15:00		814.00	53.80	85.90	47.70		1.720	0.189					
23 2003/10/07	14:47:00	1 point												
24	14:47:00		830.00	11.30	112.10	42.40		0.734	1.392					

2003/10/06 11:15:00 To 2003/10/07 14:47:00
 Gas 0.189 Cum. 0.189 MMCF

Strata Exploration
360'FNL 1012'FEL 27 29s 32s Haskell co KS
Start Test Date: 2002/11/07

Plot

Kelman 1-A
Formation: St Louis A

