

15-023-20420-00-00
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: 2/19/02		
COMPANY Priority Oil & Gas LLC		LEASE Gilbert Hilt		WELL NO. 2-14
COUNTY Cheyenne	LOCATION SE/NW/NW	SECTION 14 3s 42w	TWP RNG	ACRES
FIELD Cherry Creek	RESERVOIR Niobrara	PIPELINE CONNECTION Williams		
COMPLETION DATE 7/3/01	PLUG BACK DEPTH TOTAL DEPTH	1614		
CASING SIZE 4.500	WT. 10.500	ID 4.052	SET AT 1656	PERF. 1505
TUBING SIZE NONE	WT.	ID	SET AT	PERF. TO
TYPE COMPLETION (Describe)		TYPE FLUID PRODUCTION		
PRODUCING THRU (Annulus/Tubing) Casing		RESERVOIR TEMPERATURE F		BAR PRESS - Pa 14.4 psia
GAS GRAVITY - Gg .588	% CARBON DIOXIDE .584	% NITROGEN 4.188		API GRAVITY OF LIQUID
VERTICAL DEPTH (H) 1520	TYPE METER CONN.		PROVER SIZE 2	
REMARKS				

RECEIVED
 MAR 21 2002
 KCC WICHITA

OBSERVED SURFACE 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						280	292			72.00	
1.	.625	24.00		45		272	284			.50	
2.	.625	57.00		45		262	274			.50	
3.	.750	65.00		45		251	263			.50	
4.	.750	94.00		48		235	247			.50	

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F _p) Mcfd	(PROVER) 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.	6.638	36.5	36.50	1.3041	1.0147	1.0026	321		.588
2.	6.638	69.5	69.50	1.3041	1.0147	1.0054	613		.588
3.	9.694	77.5	77.50	1.3041	1.0147	1.0061	1000		.588
4.	9.694	106.5	106.50	1.3041	1.0117	1.0082	1373		.588

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.	284.5	292.5	284.5	85.6	81.0	4.6	321.5	97.2
2.	274.5	292.5	274.6	85.6	75.4	10.1	613.8	93.6
3.	263.5	292.5	263.8	85.6	69.6	16.0	1000.2	89.7
4.	247.5	292.5	248.1	85.6	61.5	24.0	1373.4	84.1

INDICATED WELLHEAD OPEN FLOW 4310 Mcfd @ 14.65 psia "n" = .894

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 5 day of March, 2002

[Signature]
For Company

Witness (if any)

For Commission

Checked by

WELL TESTER: Trilobite Testing

TEST DATE: 2/19/02

GAS WELL BACK PRESSURE CURVE

RECEIVED
MAR 21 2002
KCC WICHITA

Priority Oil & Gas LLC
Gilbert Hill 2-14
14 3s 42w
Cheyenne ,KS.
Exponent n: 0.8942
AOF: 4311.

$P_c^2 - P_w^2$ (10 PSI)²

100

10

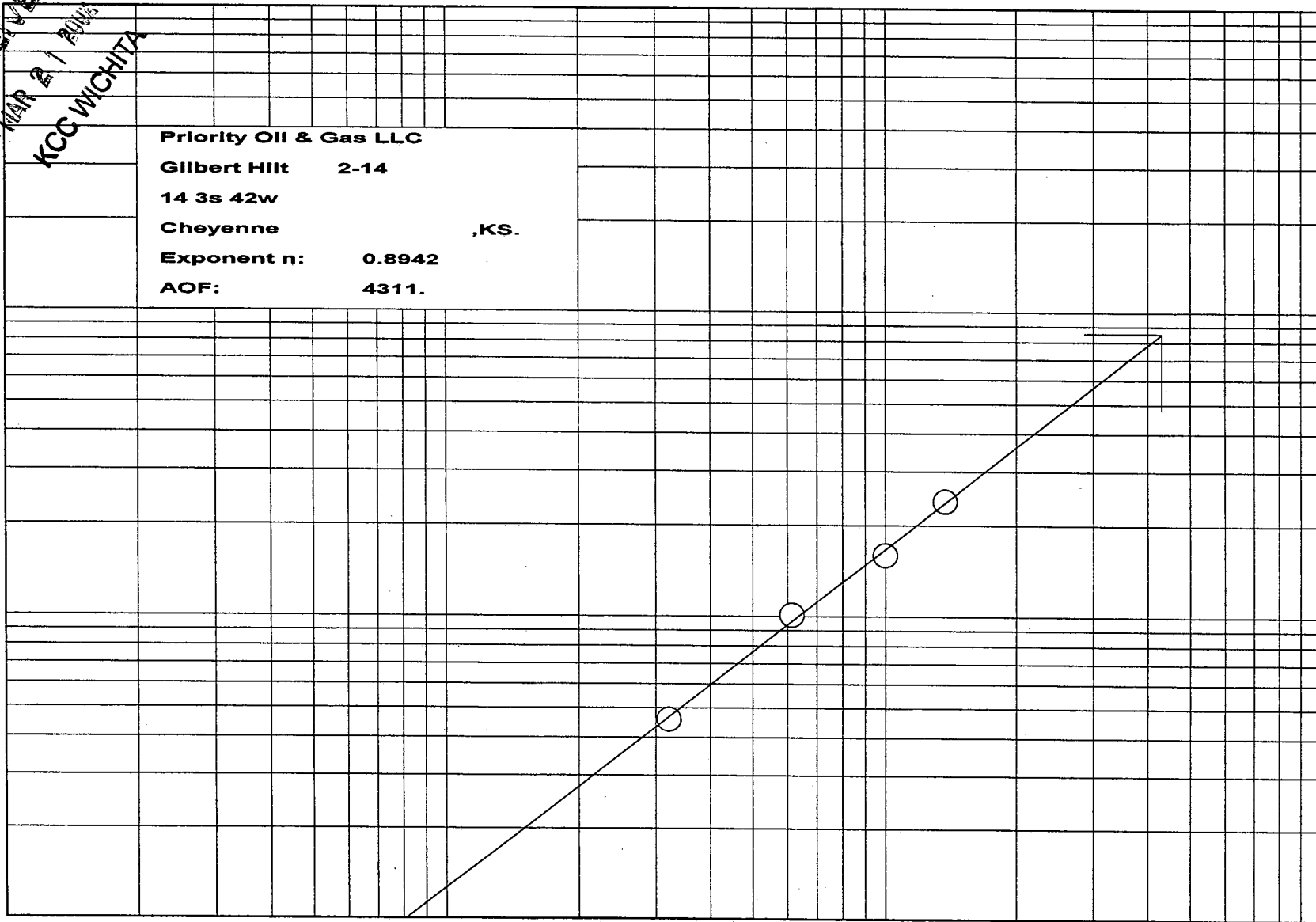
1

10

100

1000

Q (MCF/DAY)



Priority Oil & Gas
 SE NW NW 14-3s-42w Cheyenne co KS
 Start Test Date: 2002/02/19
 Final Test Date: 2002/02/20

FieldNotes

Gilbert Hilt 2-14

Field Measurements

RECEIVED
 MAR 21 2002
 KCC-MICHITA

Date	Clock Time	Comments	Casing	Diff1	Meter1	Meter2	Static1	Static2	Gas1	Gas2	Orifice1	Orifice2
			Pres psi(g)	Pres in of H2O	Temp °F	Temp °F	Pres psi(g)	Pres psi(g)	Rate MMCF/D	Rate MMCF/D	in	in
2002/02/19	14:45:00	Shutin										
	14:45:00		280.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000
	14:50:00		275.00			54.00		22.00		0.303		0.625
	15:00:00		274.00			46.00		22.00		0.305		
	15:15:00	1st pt										
	15:15:00		272.00	0.00		45.00		24.00		0.326		0.625
	15:25:00		266.00			45.00		54.00		0.595		
	15:35:00		264.00			45.00		56.00		0.612		
	15:45:00	2nd pt										
	15:45:00		262.00		45.00	45.00		57.00		0.621		
	15:55:00		259.00			45.00		50.00		0.817		0.750
	16:05:00		255.00			45.00		55.00		0.882		
	16:15:00	3rd pt										
	16:15:00		251.00		45.00	45.00		65.00		1.011	0.000	0.750
	16:25:00		246.00			46.00		74.00		1.127		
	16:35:00		235.00			48.00		94.00		1.384		
	16:45:00	4th pt										
	16:45:00		235.00		48.00	48.00		94.00		1.384		
2002/02/20	14:15:00	1 point										
	14:15:00		268.00	23.00	54.00		149.51		0.099		0.500	

2002/02/19 14:45:00 To 2002/02/20 14:15:00
 Gas 0.061 Cum. 0.061 MMCF

Priority Oil & Gas
 SE NW NW 14-3s-42w Cheyenne co KS
 Start Test Date: 2002/02/19
 Final Test Date: 2002/02/20

Gilbert Hilt 2-14

Plot

