

15-023-20418-00-00

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: 2/19/2002	
COMPANY Priority Oil & Gas LLC		LEASE Gustav Hilt	
COUNTY Cheyenne		WELL NO. 2-14	
LOCATION 5/2-NW-SW	SECTION 14 3s 42w	TWP	RNG
FIELD Cherry Creek	RESERVOIR Niobrara	PIPELINE CONNECTION Williams	
COMPLETION DATE	PLUG BACK DEPTH 1614	PACKER SET AT 1490-1520	
	TOTAL DEPTH 1656		
CASING SIZE 4.500	WT. 10.500	ID 4.052	SET AT 1656
			PERF. 1490
			TO 1520
TUBING SIZE NONE	WT.	ID	SET AT
			PERF.
			TO
TYPE COMPLETION (Describe)		TYPE FLUID PRODUCTION	
PRODUCING THRU (Annulus/Tubing) Casing		RESERVOIR TEMPERATURE F	
GAS GRAVITY - Gg .596		% CARBON DIOXIDE 1.684	% NITROGEN 3.842
VERTICAL DEPTH (H) 1505		API GRAVITY OF LIQUID	
REMARKS		TYPE METER CONN. 2"	

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OBSERVED SURFACE DATA

RATE NO.	ORIFICE SIZE in.	(PROVER) PRESSURE psig	DIFF. (h <sub>w</sub> ) (h <sub>t</sub> )	FLOWING TEMP. t.	WELLHEAD TEMP. t.	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P <sub>w</sub> ) (P <sub>t</sub> ) (P <sub>c</sub> ) psia	psig	(P <sub>w</sub> ) (P <sub>t</sub> ) (P <sub>c</sub> ) psia		
SHUT-IN						256	268				
1.	.250	41.00		49		254	266			.50	
2.	.500	20.00		47		251	263				
3.	.625	77.00		45		243	255				
4.	.750	76.00		48		216	228				

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F <sub>p</sub> ) 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 <sub>m</sub>
2.	4.388	32.5	32.50	1.2953	1.0127	1.0023	187		.596
3.	6.638	89.5	89.50	1.2953	1.0147	1.0071	786		.596
4.	9.694	88.5	88.50	1.2953	1.0117	1.0069	1132		.596

PRESSURE CALCULATION

RATE NO.	Pt psia	Pc psia	Pw psia	(Pc) <sup>2</sup> Thousands	(Pw) <sup>2</sup> Thousands	PLOTING POINTS		% SHUT-IN 100 $\frac{P_w - P_a}{P_c - P_a}$
						(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> Thousands	Q Mcfd	
1.	266.5	268.5	266.5	72.1	71.0	1.1	78.4	99.2
2.	263.5	268.5	263.5	72.1	69.4	2.7	187.5	98.1
3.	255.5	268.5	255.7	72.1	65.4	6.7	786.5	95.0
4.	228.5	268.5	228.9	72.1	52.4	19.7	1132.1	84.5

INDICATED WELLHEAD OPEN FLOW 3726 Mcfd @ 14.65 psia "n" = .914

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

*Paul A. [Signature]*

Witness (if any)

For Company

For Commission

Checked by

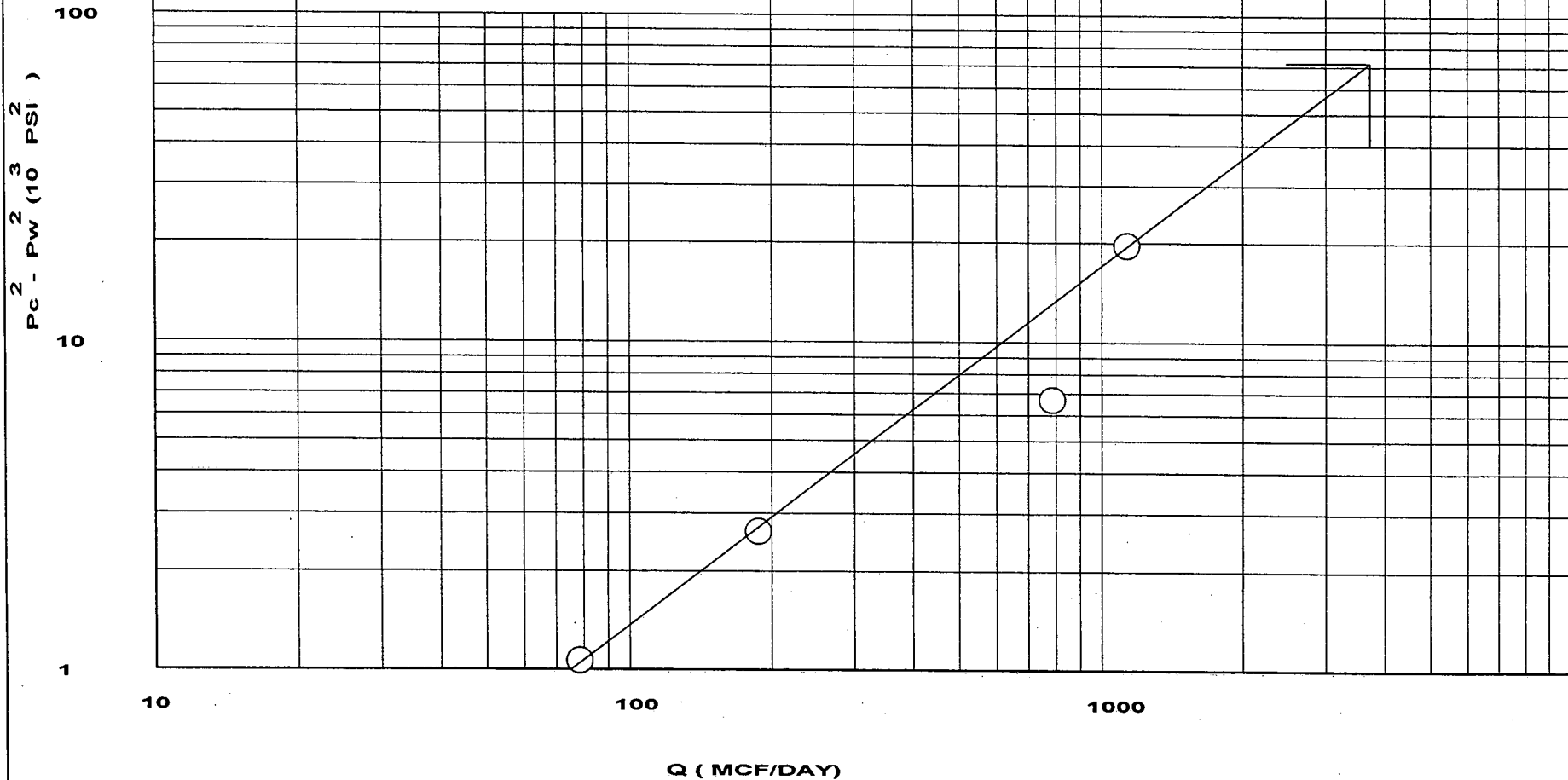
GAS WELL BACK PRESSURE CURVE

WELL TESTER: Trilobite Testing

TEST DATE: 2/19/2002

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Priority Oil & Gas LLC  
Gustav Hill 2-14  
14 3s 42w  
Cheyenne ,KS.  
Exponent n: 0.9134  
AOF: 3726.



Priority Oil & Gas  
 S/2 NW SW 14-3s-42w Cheyenne co KS  
 Start Test Date: 2002/02/19  
 Final Test Date: 2002/02/20

# FieldNotes

Gustav Hilt 2-14

## Field Measurements

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	Clock Date Time	Comments	Casing Pres psi(g)	Diff1 Pres in of H2O	Static1 Pres psi(g)	Prover Pres psi(g)	Meter1 Temp °F	Prover Temp °F	Orifice1 in	Prover Orifice2 in	Gas1 Rate MMCF/D	Gas2 Rate MMCF/D
	2002/02/19 12:10:00	Shutin										
2	12:10:00		256.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.000	
3	12:40:00	1st pt										
4	12:40:00		254.00	18.00	14.51		49.00	0.750			0.083	
5	12:50:00		253.00	40.00	21.51		48.00				0.138	
6	13:00:00		253.00	40.00	21.51		48.00				0.138	
7	13:10:00	2nd pt										
8	13:10:00		251.00	60.00	33.51		47.00				0.196	
9	13:20:00		248.00			25.00		45.00		0.625		0.339
10	13:30:00		246.00			25.00		45.00				0.339
11	13:40:00	3rd pt										
12	13:40:00		243.00			77.00		45.00				0.804
13	13:50:00		233.00			80.00		47.00		0.750		1.189
14	14:00:00		222.00			77.00		48.00				1.149
15	14:10:00	4th pt										
16	14:10:00		216.00			76.00		48.00				1.136
17	2002/02/20 12:00:00	1 point										
18	12:00:00		249.00	6.00	151.51		52.00				0.116	

2002/02/19 12:10:00 To 2002/02/20 12:00:00  
 Gas 0.050 Cum. 0.050 MMCF



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# Plot

