Submit in duplicate to appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: O.G.S. Operating Company, Inc.					Lease or Unit Name: Bilberry 14 Federal Com.		
Type Test: [X] Initial [ ] Annual [ ] Special					Test Date: 4-11-97	Well No.: 2	
Completion Date: 4-7-97		Total Depth: 4716'		Plug Back TD: 4684'	Elevation: 4014'	Unit Ltr. - Sec. - TWP - Rge.: K 14 85 37E	
Csg. Size: 4½"	Wt.: 11.6	d: 4.000	Set At: 4715	Perforations: From: 4563 To: 4664		County: Roosevelt	
Tbg. Size: 2-3/8"	Wt.: 4.6	d: 1.995	Set At: 4560	Perforations: From: Open To: End		Pool: Bluitt	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: None		Formation: San Andres Associated	
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F: 60°		Baro. Press - P_a: 13.2		Connection: To Air	
L 4560	H 4560	Gg 0.736	% CO_2 5.62	% N_2 6.76	% H_2S	Prover 2"	Meter Run / Taps

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							1235	51	1235	51	48 Hours
1.	2	X	.125	1135		46	1135	59	1142	59	1 Hour
2.	2	X	.1875	965		53	965	60	975	60	1 Hour
3.	2	X	.250	730		55	730	62	742	62	1 Hour
4.	2	X	.4375	200		56	200	64	425	64	1 Hour
5.											

RATE OF FLOW CALCULATIONS

NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg.	Super Compress. Factor, Fpv.	Rate of Flow Q, Mcfd
1.	.2648		1148.2	1.014	1.166	1.004	361
2.	.6082		978.2	1.007	1.166	1.004	701
3.	1.087		743.2	1.005	1.166	1.005	951
4.	3.408		213.2	1.004	1.166	1.003	853
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	1.68853	506	1.35294	0.768
2.	1.43853	513	1.37166	0.809
3.	1.09294	515	1.37701	0.855
4.	0.31353	516	1.37968	0.959
5.				

Gas Liquid Hydrocarbon Ratio: Dry Gas Mcf/bbl.
A.P. I. Gravity of Liquid Hydrocarbons: Dry Gas Deg.
Specific Gravity Separator Gas: 0.736 XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: *680 P.S.I.A. P.S.I.A.
Critical Temperature: *374 R R

P_c 1248.2 P_c^2 1558.0

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		1155.2	1334.5	223.5
2.		988.2	976.5	581.5
3.		755.2	570.3	987.7
4.		438.2	192.0	1366.0
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.577$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.350$

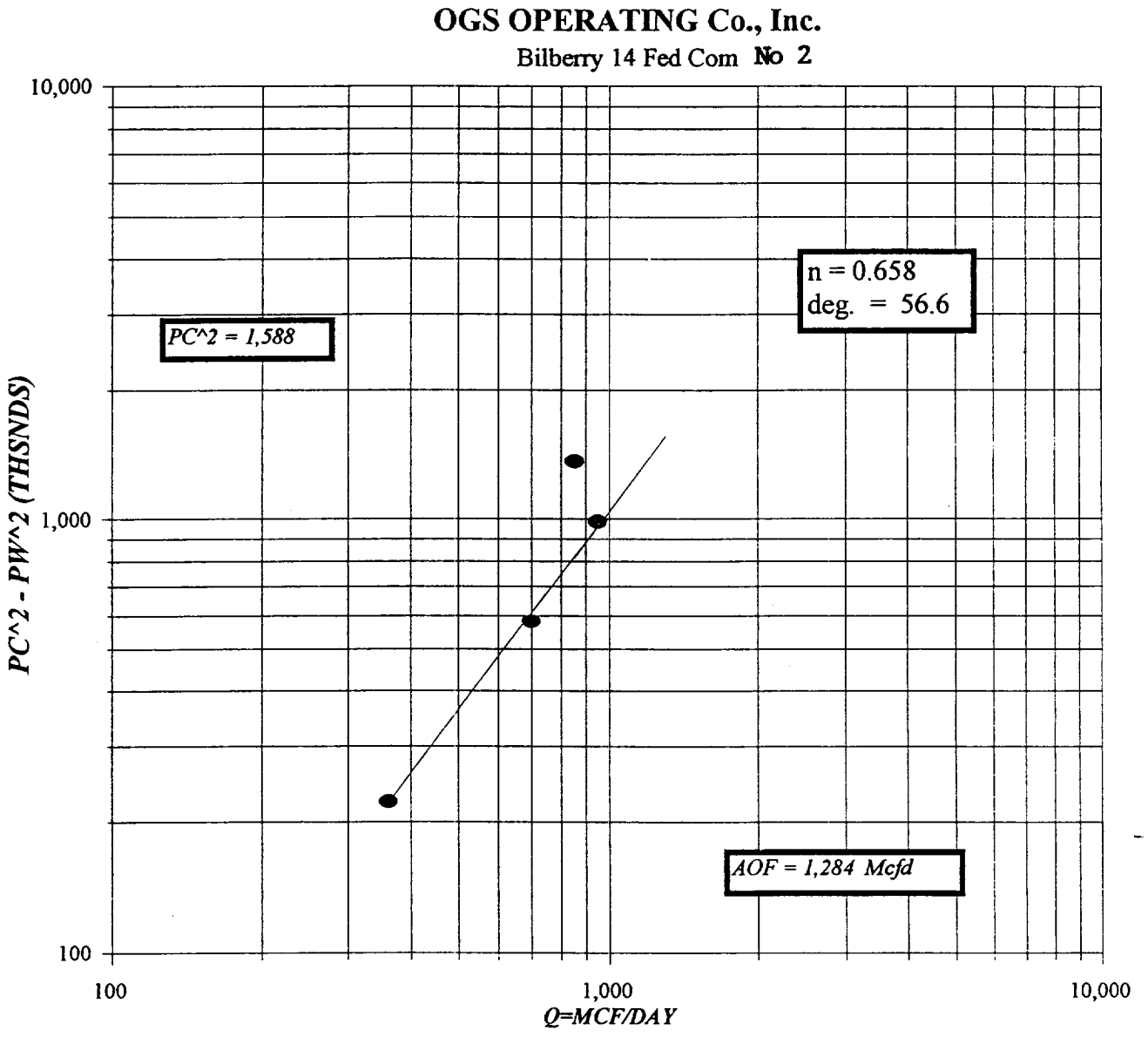
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.284$

Absolute Open Flow: 1,284 Mcfd @ 15.025 | Angle of Slope θ: 56.6 | Slope, n: 0.658

Remarks: Made a trace of fluid on last rate.

*=Corrected to 5.62 CO2 & 6.76 N2

Approved By Division	Conducted By:	Calculated By:	Checked By:
	West-Test, Inc.	T.R.	T.R.


OGS OPERATING Co., Inc.
Bilberry 14 Fed Com No 2
10,000
1,000
100
PC^2 - PW^2 (THSNDS)
PC^2 = 1,588
n = 0.658
deg. = 56.6
AOF = 1,284 Mcfd
100
1,000
10,000
Q=MCF/DAY

Laboratory Services, Inc.
1331 Tasker Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

FOR: West Test, Inc.
Attention: Mr. Buz Thomason
412 N. Dal Paso
Hobbs, New Mexico 88240

SAMPLE IDENTIFICATION: Bilbrey 14 Fed. Com # 2
COMPANY: O. G. S. Operating Co.
LEASE:
PLANT:

SAMPLE DATA:
DATE SAMPLED: 4/11/97 1:30PM
ANALYSIS DATE: 4/12/97
PRESSURE - PSIG 450
SAMPLE TEMP. °F
ATMOS. TEMP. °F 56

GAS (XX) LIQUID ( )
SAMPLED BY: West Test
ANALYSIS BY: Rolland Perry

REMARKS:

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Hydrogen Sulfide	(H2S)	0.00	
Nitrogen	(N2)	6.76	
Carbon Dioxide	(CO2)	5.62	
Methane	(C1)	75.24	
Ethane	(C2)	7.16	1.910
Propane	(C3)	3.16	0.869
I-Butane	(IC4)	0.40	0.129
N-Butane	(NC4)	0.88	0.278
I-Pentane	(IC5)	0.26	0.095
N-Pentane	(NC5)	0.26	0.095
Hexane Plus	(C6+)	0.26	0.107
		100.00	3.483

MOLECULAR WT. 21.3265

BTU/CU.FT. - DRY	1041
AT 14.650 DRY	1038
AT 14.650 WET	1020
AT 14.73 DRY	1043
AT 14.73 WET	1025

SPECIFIC GRAVITY -
CALCULATED 0.736
MEASURED