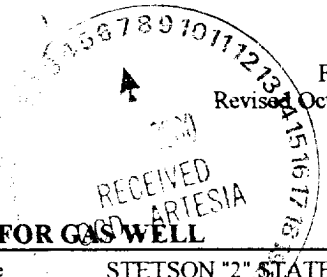


Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

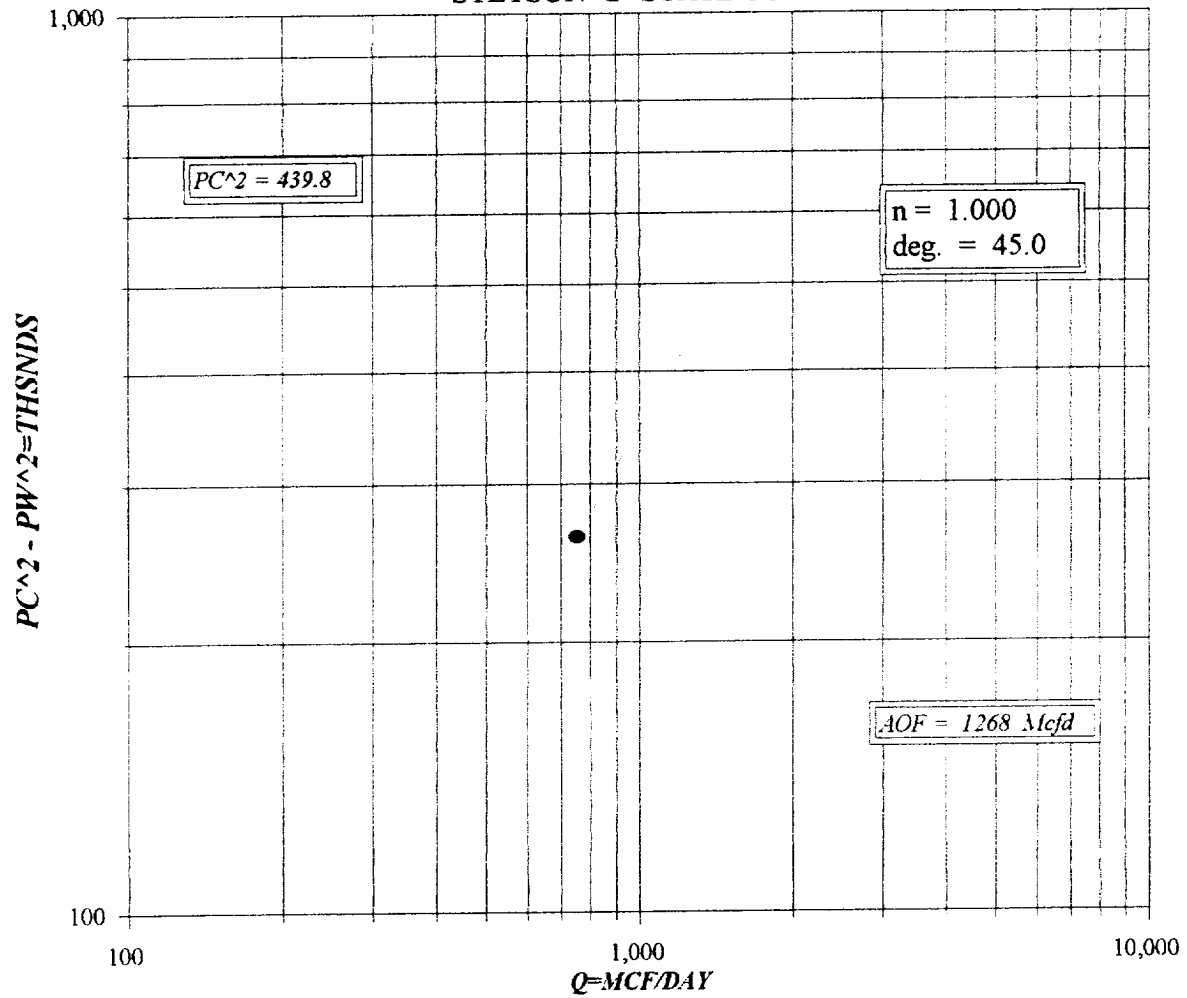
Form C-122
Revised October, 1999



MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator BELLWETHER EXPLORATION COMPANY					Lease or Unit Name STETSON "2" STATE COM.				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10/11/00		Well No. 1		
Completion Date 8/22/00		Total Depth 11630		Plug Back TD 11524'		Elevation 3368		Unit Ltr - Sec - TWP - Rge 2 19S 29E	
Csg. Size 5 1/2	Wt. 17	d 4.982	Set At 11629	Perforations: From: 11246 To: 11285			County EDDY		
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 11225	Perforations: From: To:			Pool TURKEY TRACK		
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11167			Formation MORROW		
Producing Thru TUBING		Reservoir Temp. °F 185.7		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		Connection SALES	
L 11172	H 11172	Gg 0.648	%CO ₂ 0.874	%N ₂ 0.492	%H ₂ S N/A	Prover N/A	Meter Run 3.067	Taps FLG	
FLOW DATA			TUBING DATA			CASING DATA			Duration of Flow
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	
SI						650	N/A	PKR	N/A
1	3.067	X 1.750	256	8	76	400			
2									
3									
4									
5									
RATE OF FLOW CALCULATIONS									
No.	COEFFICIENT (24 Hour)		$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q. Mcfd	
1								754	
2	GAS VOLUMES		MEASURED	BY	TOTAL	FLOW	METER		
3									
4									
5									
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 150.8 Mcf/bbl.				
1					A.P. I. Gravity of Liquid Hydrocarbons 60 Deg.				
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas 0.648 XXXXXX				
3					Specific Gravity Flowing Fluid N/A XXXXXX				
4					Critical Pressure 673 P.S.I.A. 673 P.S.I.A.				
5					Critical Temperature 368 R. 374 R				
P _c 663.2 P _{c2} 439.8					(1) $P_c^2 = \frac{1.682}{P_c^2 - P_w^2}$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.268$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.682$				
No.	P _i ²	P _w	P _w ²	P _c ² - P _w ²					
1	170.7	422.3	178.4	261.5					
2									
3									
4									
5									
Absolute Open Flow 1268 Mcfd @ 15.025					Angle of Slope (°): 45		Slope n: 1		
Remarks: * WELL MADE 5.0 BBLs OF 60 API GRAVITY CONDENSATE DURING TEST.									
Approved By Division:			Conducted By: PRO WELL TESTING		Calculated By: MB		Checked By: BM		

TORCH OPERATING CO.
STETSON "2" STATE COM. # 1



UNIT : SECTION : 2 TOWNSHIP : 29E
 L : 11172 H : 11172 L/L 1 G/GMIX : 0.648
 %CO2 : 0.874 %N2 : 0.492 H2S : DATE : 10/11/00
 d : 2.441 Pr : 0.010763 GH : 7239.5 RANGE : 29E

VOL 1 : 754 PSIA 1 : 413.2 RESV.TEMP 185.7
 VOL 2 : PSIA 2 :
 VOL 3 : PSIA 3 : SHUT-IN PR= 663.2
 VOL 4 : PSIA 4 :

PCR : 673
 TCR : 374

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.754	0.754	0.000	0.000	0.000	0.000	0.000	0.000
2 TW	534	534	534	534	534	534	534	534
3 Ts	645.7	645.7	645.7	645.7	645.7	645.7	645.7	645.7
4 T	589.9	589.9	589.9	589.9	589.9	589.9	589.9	589.9
PR (est)	0.61		0.00		0.00		0.00	
5 Z(est)	0.926	0.918	ERR	ERR	ERR	ERR	ERR	ERR
6 TZ	546.1	541.7	ERR	ERR	ERR	ERR	ERR	ERR
7 GH/TZ	13.258	13.365	ERR	ERR	ERR	ERR	ERR	ERR
8 eS	1.644	1.651	ERR	ERR	ERR	ERR	ERR	ERR
9 l-e-S	0.392	0.394	ERR	ERR	ERR	ERR	ERR	ERR
10 Pt	413.2	413.2	0.0	0.0	0.0	0.0	0.0	0.0
11 Pt2 /1000	170.7	170.7	0.0	0.0	0.0	0.0	0.0	0.0
12 Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.0107631
13 Fc=FrTZ	5.877	5.830	ERR	ERR	ERR	ERR	ERR	ERR
14 FcQm	4.43	4.40	ERR	ERR	ERR	ERR	ERR	ERR
15 L/H(FcQm)	19.6	19.3	ERR	ERR	ERR	ERR	ERR	ERR
16 Fw	7.693167	7.617048	ERR	ERR	ERR	ERR	ERR	ERR
17 Pw2	178.4	178.4	ERR	ERR	ERR	ERR	ERR	ERR
18 Ps2	293.3	294.4	ERR	ERR	ERR	ERR	ERR	ERR
19 Ps	541.6	542.6	ERR	ERR	ERR	ERR	ERR	ERR
20 P	477.4	477.9	ERR	ERR	ERR	ERR	ERR	ERR
21 Pr	0.71	0.71	ERR	ERR	ERR	ERR	ERR	ERR
22 Tr	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
23 Z	0.918	0.918	ERR	ERR	ERR	ERR	ERR	ERR

Pt2 = . Pw = 422.3
 0.0 ERR
 0.0 ERR
 0.0 ERR
 Pc2-Pw2= 261.5 Pw2 = 178.4
 ERR ERR
 ERR ERR
 ERR ERR
 n = 1.000
 Pc2/(Pc2-Pw2) = 1.682
 ERR
 ERR
 ERR
 [Pc2/Pc2-Pw2]n = 1.682
 ERR
 ERR
 ERR

AOF= Q 1.268
 ERR
 ERR
 ERR

FORM C122-D

SEP-27 00 11:44 FROM: M&T NML

5053970990

TO: 191 18604

PAGE: 02

SEP-27-00 WED 11:11 Laboratory Services

**Laboratory Services, Inc.**4018 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR:Metering & Testing Services Inc.
Attention: M. Tom Durkin
2807 West County road
Hobbs, New Mexico 88240.**SAMPLE:**IDENTIFICATION: Statson 2 St. Com. #1
COMPANY: Bellweather Exploration Co.
LEASE:
PLANT:**SAMPLE DATA:**DATE SAMPLED: 9/20/00 2:30 pm
ANALYSIS DATE: 9/27/00
PRESSURE - PSIA 20.7
SAMPLE TEMP. °F 87
ATMOS. TEMP. °FGAS (XX) LIQUID ()
SAMPLED BY: Al Lewis
ANALYSIS BY: Vickie Walker**REMARKS:****COMPONENT ANALYSIS**

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.492	
Carbon Dioxide (CO2)	0.874	
Methane (C1)	88.365	
Ethane (C2)	5.044	1.586
Propane (C3)	2.576	0.708
i-Butane (IC4)	0.446	0.146
n-Butane (NC4)	0.674	0.212
i-Pentane (IC5)	0.218	0.080
n-Pentane (NC5)	0.154	0.056
Hexane Plus (C6+)	0.357	0.112
	100.000	2.900

BTU/CU.FT. - DRY	1126
AT 14.650 DRY	1123
AT 14.650 WET	1103
AT 14.73 DRY	1129
AT 14.73 WET	1109

MOLECULAR WT. 16.7766

SPECIFIC GRAVITY -	
CALCULATED	0.648
MEASURED	