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

RECEIVED
FEB 10 2005

Form C-122
Revised October, 1999

30-015-33496

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator	Lease or Unit Name
MURCHISON OIL & GAS	PANDA BEAR ST. COM

Type Test	Test Date	Well No.
☑ Initial ☐ Annual ☐ Special	1/21/05	1

Completion Date	Total Depth	Plug Back TD	Elevation	Unit Ltr - Sec - TWP - Rge
1/4/05	10280	10240		2- 17- 28

Csg. Size	Wt.	d	Set At	Perforations			County
5 1/2	17 #	4.892		From: 10000	To:	10028	EDDY

Tbg. Size	Wt.	d	Set At	Perforations		Pool
2 7/8	6.5	2.441	9902	From:	To:	SE Crow Flats Morrow

Type Well-Single-Bradenhead-G.G. or G.O. Multiple	Packer Set At	Formation
SINGLE	9902	MORROW

Producing Thru	Reservoir Temp.°F	Mean Annual Temp. °F	Baro. Press.-P_a	Connection
TBG	155.6 @ 9902	60	13.2	SALES

L	H	Gg	%CO_2	%N_2	%H_2S	Prover	Meter Run	Taps
9900	9900	0.873	0.379	1.021	X	N/A	4.026	FLG

	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					2985		PKR		48 HRS
1	4 X 1.875	276	3.9	73	2977		"		1 HR
2	4 X 1.875	284	13.7	84	2961		"		1 HR
3	4 X 1.875	327	91.3	70	2883		"		1 HR
4	4 X 1.875	432	303.1	51	2559		"		1 HR
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							757
2							1,416
3			TOTAL		FLOW	METER	3,916
4							8,416
5							

No.	P_r	Temp. °R	T_r	Z
1				
2				
3		N/A		
4				
5				

Gas Liquid Hydrocarbon Ratio	54.943		Mcf bbl.
A.P. I. Gravity of Liquid Hydrocarbons	57.1		Deg.
Specific Gravity Separator Gas	0.873		XXXXXXX
Specific Gravity Flowing Fluid	XXXXX		GMIX= .923
Critical Pressure	662 P.S.I.A.	* 661	P.S.I.A.
Critical Temperature	445 R.	* 461	R

P_c 2998.2 P_c^2 8989.2

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		2991.4	8948.2	41
2		2978.3	8870	119.2
3		2927.4	8569.7	419.5
4		2720.1	7399.2	1590
5				

(1) $\dfrac{P_c^2}{P_c^2 - P_w^2} =$ 5.654 (2) $\left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 3.195

AOF = Q 79825 $\left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 26.889

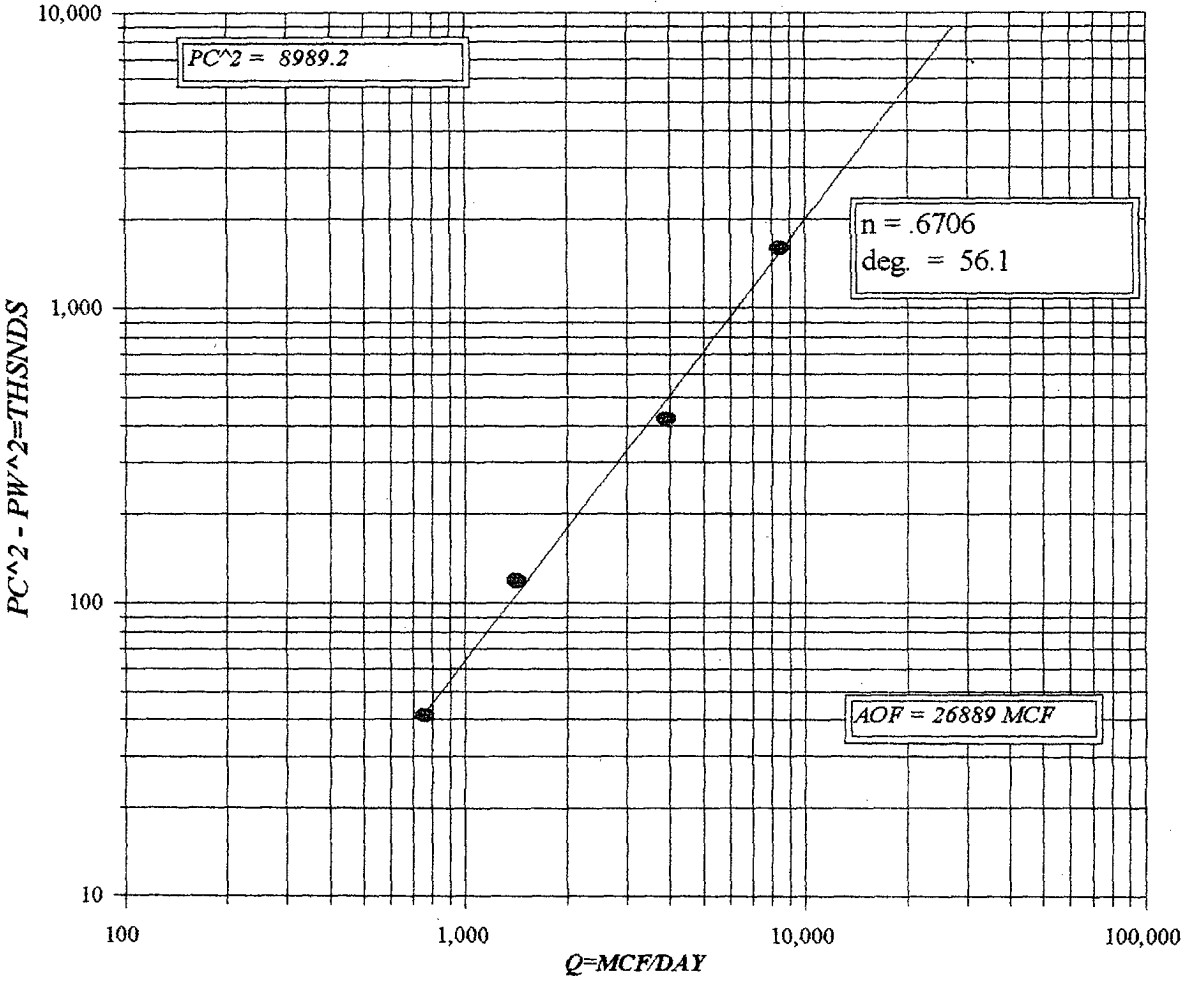
Absolute Open Flow	Mcfd @ 15.025	Angle of Slope Q:	Slope n:
26,889		56.1	0.6706

Remarks: WELL PRODUCED 11.0 BBLS OF 57.1 API GR. CONDENSATE--CORR. TO 1.021 % N2

Approved By Division:	Conducted By:	Calculated By:	Checked By:
	Pro Well Testing & Wire Line	BM	BM

MURCHISON OIL & GAS

PANDA BEAR ST. COM. # 1



NEW MEXICO G.O.R./G. MIX

NO. OF BBLS PRODUCED	=	11.0
API GRAVITY @ 60 DEG.	=	57.1
SPECIFIC GRAVITY OF GAS	=	0.8730
TOTAL GAS PRODUCED	=	604
G.O.R.	=	54.943
G.MIX	=	0.923

Laboratory Services, Inc.
2609 West Marland
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR:	Pro Well Testing & Wireline P. O. Box 791 Hobbs, New Mexico 88241		SAMPLE: IDENTIFICATION COMPANY: LEASE: PLANT:	 Panda Bear #1 Murchison
SAMPLE DATA:	DATE SAMPLED ANALYSIS DATE: PRESSURE – PSIG SAMPLE TEMP. °F ATMOS. TEMP. °F	1/21/05 1/24/05 429 53	GAS (XX) SAMPLED BY: ANALYSIS BY:	LIQUID ( ) B. Pena Vickie Biggs
REMARKS:	Morrow Formation			

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM
Hydrogen Sulfide	(H2S)		
Nitrogen	(N2)	1.021	
Carbon Dioxide	(CO2)	0.379	
Methane	(C1)	84.257	
Ethane	(C2)	8.737	2.331
Propane	(C3)	3.722	1.023
I-Butane	(IC4)	0.360	0.118
N-Butane	(NC4)	0.825	0.260
I-Pentane	(IC5)	0.157	0.057
N-Pentane	(NC5)	0.124	0.045
Hexane Plus	(C6+)	0.418	0.181
		100.000	4.015

BTU/CU.FT. – DRY	1169	MOLECULAR WT. 19.5143
AT 14.650 DRY	1165	
AT 14.650 WET	1145	
AT 14.73 DRY	1172	
AT 14.73 WET	1152	
SPECIFIC GRAVITY – CALCULATED	0.673	
MEASURED		

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ASTM DISTILLATION

Pro Well Testing & Wireline
P. O. Box 791
Hobbs, New Mexico 88241

Sample Date: 1/21/05
Sampled By: Ben Pena

Murchison
Panda Bear #1

Percent Distilled	Temperature
IBP	90
5	118
10	142
20	180
30	206
40	228
50	250
60	300
70	380
80	526
EP	620

% Recovered = 87.0
% Residue = 2.0
% Loss = 11.0

API Gravity @ 60° F = 57.1

Rolland Perry