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				Lease or Unit Name					
NADEL AND GUESSMAN PERMAIN				HULDA					
Type Test: ☑ Initial ☐ Annual ☐ Special						Test Date: 9/2/00		Well No.: 1	
Completion Date		Total Depth: 12218		Plug Back TD: 12077		Elevation		Unit Ltr - Sec - TWP - Rge: N 4 16S 35E	
Csg. Size: 5 1/2	Wt.: 17	d: 4.892	Set At: 12218	Perforations: From: 11958	To: 12012			County: LEA	
Tbg. Size: 2 7/8	Wt.: 6.5	d: 2.441	Set At: 11916	Perforations: From:	To:			Pool:	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple: SINGLE				Packer Set At: 11916				Formation: MORROW	
Producing Thru: TUBING	Reservoir Temp.°F: 177.9		Mean Annual Temp. °F: 60	Baro. Press.-P_a: 13.2				Connection: SALES	

L	H	Gg	%CO_2	%N_2	%H_2S	Prover	Meter Run	Taps
11916	11916	0.695	0.413	0.836	N/A	N/A	3.067	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					4120	N/A	PKR	N/A	
1	3.068 X 1.125	319	1.1	86	3751				1 HR
2	3.068 X 1.125	321	5.2	80	3380				1 HR
3	3.068 X 1.125	321	3.4	75	3040				1 HR
4	3.068 X 1.125	323	50	81	2490				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							109
2	GAS VOLUMES	TAKEN	FROM	TOTAL	FLOW	METER	236
3							326
4							714
5							

No.	P_r	Temp. °R	T_r	Z
1				
2	TOTAL	FLOW	METER	
3				
4				
5				

Gas Liquid Hydrocarbon Ratio: 14.427 Mcf bbl.
A.P. I. Gravity of Liquid Hydrocarbons: 55.5 Deg.
Specific Gravity Separator Gas: 0.695 XXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 672 P.S.I.A. ____ P.S.I.A.
Critical Temperature: 384 R. ____ R

P_c 4702.5 P_c^2 22113.5

No.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		4435.9	19677.2	2436.3
2		4110.8	16898.7	5214
3		3915	15327.2	6786.3
4		3138	9847	1226.5
5				

(1) $\dfrac{P_c^2}{P_c^2 - P_w^2} = 1.802$ (2) $\left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.802$

$AOF = Q \left[\dfrac{P_c^2}{P_c^2 - P_w^2}\right]^n = 681$

Absolute Open Flow: 1286.6 Mcfd @ 15.025 | Angle of Slope (): 45 | Slope n: 1

Remarks: * CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES / *WELL MADE 4 BBLS OF 55.5 API GRAVITY CONDENSATE

Approved By Division:	Conducted By:	Calculated By:	Checked By:
	PRO WELL TESTING	MB	BM

Geologist

OCT 31 2000