STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Revised 10-1-78
1/18/89

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special		Test Date: 1/16/89	
Company: Robert L. Bayless	Connection: Robert L. Bayless		
Pool: East Blanco Pictured Cliffs	Formation: Pictured Cliffs		Unit
Completion Date: 1/7/89	Total Depth: 4040'	Plug Back TD: 3942'	Elevation: 7046' RKB	Farm or Lease Name: Jicarilla 459
Csg. Size: 4 1/2" Wt.: 10.5# d: 4.052" Set At: 4012'	Perforations: From 3657' To 3751'			Well No.: 3
Tbg. Size: 1 1/2" Wt.: 2.9# d: 1.610" Set At: 3700'	Perforations: From To			Unit: G Sec.: 18 Twp.: 30N Rge.: 3W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: single	Packer Set At: none			County: Rio Arriba
Producing Thru: tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0 (est.)	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.65 (est)						

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
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	
SI	9 days				890		890		
1.	2 inch x .750				151	60°	424		3 hrs.
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		163	1.000	1.240	1.016	2539
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1	.243		1.39	.969
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 902 P_c^2 813,604

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		436	190,096	623,508
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3049$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2538$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3184$

Absolute Open Flow 3184 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: Light mist of water throughout test.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	David Ball	Kevin McCord	