OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-122
Revised 10-1-78

1/11/89

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 1/10/89	
Company: Robert L. Bayless		Connection: Robert L. Bayless			
Pool: East Blanco Pictured Cliffs		Formation: Pictured Cliffs		Unit	
Completion Date: 1/2/89	Total Depth: 4115'	Plug Back TD: 4048'	Elevation: 7082 RKB	Farm or Lease Name: Jicarilla 452	
Csg. Size: 4 1/2" / Wt.: 10.5# / d: 4.052 / Set At: 4094'		Perforations: From 3748' To 4010'		Well No.: 4	
Tbg. Size: 2 3/8" / Wt.: 4.7# / d: 1.995 / Set At: 3985'		Perforations: From To		Unit: D / Sec.: 5 / Twp.: 29N / 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		
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	7 days				880		882		
1.	2 inch x .750				62	60°	188		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		84	1.000	1.240	1.014	1306
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1	.125		1.39	.973
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 894 P_c^2 799,236

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		200	40,000	759,236
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0527$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 0

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1364

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OIL CON. DIV.
DIST. 3

Absolute Open Flow 1364 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: Slight to medium mist of water throughout test.

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