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

State of New Mexico
Energy, Minerals and Natural Resources Department

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JAN 24 1992
OIL CON. DIV.
DIST. 3

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: Robert L. Bayless		Lease or Unit Name: Jicarilla 30-3-28	
Type Test: X Initial ___ Annual ___ Special		Test Date: 1-21-92	Well No.: #1
Completion Date: 1-14-92	Total Depth: 4065	Plug Back TD: 3955	Elevation: 7137 GL
Unit Ltr. - Sec. - TWP - Rge.: M 28 30 3			
Csg. Size: 4½ / Wt.: 10.5 / d: 4.052 / Set At: 4049	Perforations: From: 3642	To: 3720	County: Rio Arriba
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: 1.995 / Set At: 3676	Perforations: From:	To:	Pool: E. Blanco PC
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single	Packer Set At: None		Formation: Pictured Cliffs
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press - P_a: 12.0 (est)
Connection: Robert L. Bayless			
L	H	Gg: .65 (est)	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 days				880		882		
1.	2 inch x .500				70	60° F	241		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.	5.4315		82	1.000	1.240	1.014	560.
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	0.12		1.39	0.973
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio ___ Mcf/bbl
A.P.I. Gravity of Liquid Hydrocarbons ___ De
Specific Gravity Separator Gas XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure ___ P.S.I.A. ___ P.S.I
Critical Temperature ___ 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.		253	64,009	735,227
2.				
3.				
4.				
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0871$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0735$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 601$

Absolute Open Flow 601 Mcfd @ 15.025 Angle of Slope θ ___ Slope, n .85

Remarks: Well made a heavy mist of water after 1 hour of test and throughout remainder of test.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Albert Aranda	Kevin McCord	

1-22-92 mail date