

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 8-21-85	
Company: Energy Reserves Group, Inc.				Connection:	
Pool: North Pinon				Formation: Fruitland	
Completion Date: 8-14-85		Total Depth: 1245		Plug Back TD: 1195	
Csg. Size: 4.5		WT: 10.5		Elevation: GR-5532'	
Perforations: From 1118 To 1158		Set At: 1238		Well No. 359	
Perforations: From To		Set At: 1107		Unit Sec. Twp. Rge. M 14 28N 12W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru Tubing		Reservoir Temp. °F @		Baro. Press. - P _a	
L H Gg		% CO ₂ % N ₂ % H ₂ S		Prover	
State: New Mexico				Meter Run Taps	

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
S1			3/4"	209			209		209		3
1.											
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	14.5						3204
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbon	Specific Gravity of Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R
1							N/A	XXXXXX		
2.										
3.										
4.										
5.										

NO.	P _t ²	P _w ²	P _c ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		221	48,841	228,888	1.2134	1.1787
2.						
3.						
4.						
5.						

Absolute Open Flow: 3777 Mcfd @ 15.025				Angle of Slope θ: 0.85	
Remarks:					
Approved By Commission: Conducted By: T. C. Durham Calculated By: Paul Bertoglio PB Checked By:					