

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 4-27-81			
Company Beartooth Oil and Gas				Connection Gas Company of New Mexico					
Pool Aztec Undesignated				Formation Fruitland Farmington				Unit	
Completion Date 4-20-81		Total Depth 1564		Plug Back TD 1535		Elevation 5572		Farm or Lease Name Elledge Federal-34	
Csg. Size 2.875	Wt. 6.5	d 2.441	Set At 1563	Perforations: From 1060 To 1525		Well No. 11			
Tkg. Size Slim	Wt. Hole	d	Set At	Perforations: From To		Unit D		Sac. 34	Twp. 29
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan			
Producing Thru Casing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a 12 psi est.		State New Mexico	
L	H	G _g .650	% CO ₂	% N ₂	% H ₂ S	Prover	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	
1.	7 days						482				3 hours
2.	2 inch	.500					52	60			
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	5.4315		64	1.000	.9608	1.007	336
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.L. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 494	P _c ² 244036	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.01778$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.01508$
NO.	P _r ²	P _w	P _w ²
1.		65	4263
2.			
3.		(Calculated)	
4.			
5.			

Absolute Open Flow 341 Mcfd @ 15.025		Angle of Slope 0		Slope, n 85	
Remarks: Dry gas throughout test. No show of oil or water.					

Approved By Commission:	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: Joe Elledge
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