

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

Form C-122
Revised 9-1-65

RECEIVED
DEC 21 1984

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 11-30-84		DEC 21 1984	
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Mt. Nebo				Formation Fruitland				Unit DIST. 3	
Completion Date 10-12-84		Total Depth 2685		Plug Back TD 2680		Elevation 5838 GR		Farm or Lease Name Leeper Gas Com "D"	
Csq. Size 7.000	Wt. 23	d 6.366	Set At 2685	Perforations: From 2608 To 2640		Well No. 18			
Tbg. Size 2.875	Wt. 6.5	d 2.441	Set At 2647	Perforations: From open To ended		Unit Sec. Twp. Rge. L 34 32 10			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% 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	
SI	33 Days						723		1244		
1.	2.375		.500				79		150		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		91	1.000	.9608	1.008	479
2.							
3.							
4.							
5.							

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

P _c 1256	P _c 21577536		
NO.	P _t ²	P _w	P _w ²
1		162	26244
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0169$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 486$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0144$$

Absolute Open Flow 486	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks: would not flare, med. H₂O

Approved By Commission:	Conducted By: J.J. Barnett	Calculated By: J.J. Barnett	Checked By: JB
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