

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 3-13-79			
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Basin				Formation Dakota				Unit	
Completion Date 2-28-79		Total Depth 6565		Plug Back TD 6535		Elevation 5597		Farm or Lease Name Federal Gas Com 4	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6565	Perforations: From 6362 To 6466		Well No. 1			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6472	Perforations: From has a packer		Unit Sec. Twp. Rge. J 23 29N 10W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 6416		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _q .70	% 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	9 Days						1300		1300		
1.	2.375		.750				30	60	275		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		42	1.000	.9258	1.008	484
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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 1312	P _c ² 1721344	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0503$	(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0375$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	287	82369	1638975
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 502$

Absolute Open Flow 502 Mcfd @ 15.025 Angle of Slope 75

RECEIVED

MAR 27 1979

OIL CON. COM.

DIST. 3

Remarks: _____

Approved By Commission	Conducted By: R. A. Conner	Calculated By: R. A. Conner	Checked By: <i>B. E. Fackrell</i> B. E. Fackrell
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