

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

Form O-122
 Revised 9-1-65

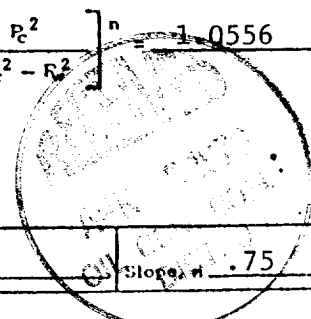
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 4-2-79	
Company Amoco Production Co.				Connection El Paso Natural Gas Company		
Pool Basin				Formation Dakota		Unit
Completion Date 3-25-79		Total Depth 7160		Plug Back TD 7150		Elevation 5945
Csg. Size 4.50		Wt. 10.5	d 4.052	Set At 7160	Perforations: From 6927 To 7109	
Tbg. Size 2.375		Wt. 4.7	d 1.995	Set At 7123	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		Farm or Lease Name A. L. Elliott "A"
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Well No. No. 4
L		H	Gg .70	% CO ₂	% N ₂	County San Juan
				% 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
1.	8 Days						1800		2070		
1.	2.375		.750				95	60°	537		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.	12.365		107	1.000	.9258	1.012	1240
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 2082	P _c ² 4334724	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0747$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0556$
NO.	P _t ²	P _w	P _w ²
1		549	301401
2			
3			
4			
5			

$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1309$		
Absolute Open Flow 1309 Mcfd @ 15.025 Angle of Slope 75		

Remarks:			
Approved By Commission:	Conducted By: RAC	Calculated By: RAC	Checked By: B.E. FACKRELL