

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 3/19/81			
Company Amoco Production				Connection El Paso Natural Gas Company					
Pool Gonzales				Formation Mesa Verde				Unit	
Completion Date 2/23/81		Total Depth 5355		Plug Back TD 5325		Elevation 6572		Farm or Lease Name Jicarilla Cont. 155	
Csg. Size 5.500	Wt. 15.5	d 4.950	Set At 5355	Perforations: From 7461 To 5270		Well No. 25			
Tub. Size 2.063	Wt. 3.4	d 1.751	Set At 5245	Perforations: From open To ended		Unit 0 Sec. 30 Twp. 26N Rge. 5W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple dual						Packer Set At 4100		County Rio Arriba	
Producing Thru tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g .65	% 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.	
51	14 days						820			
1.	2.375		.750				100			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 _L	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1	12.365		112	1.000	.9258	1.012	1296
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 832	P _c ² 692224	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1158$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0856$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	268	71824	620400
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1407$

Absolute Open Flow 1407 Mcfd @ 15.025 Angle of Slope 6° Steps, n 75

Remarks: Med. Spray Oil & H₂O

Approved By Commission	Conducted By JJB	Calculated By J. J. BARNETT	Checked By:
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