

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

Form C-122
 Revised 8-2-65

RECEIVED
 SEP 16 1983

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 9-1-83	
Company Amoco Production Company			Connection Not Dedicated		
Pool Basin			Formation Dakota		Unit
Completion Date 8-3-83		Total Depth 7940		Plug Back TD 7930	
Elevation 6887 GL		Farm or Lease Name Jicarilla Apache Tribal 151			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7940	Perforations: From 7710 To 7920	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7917	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
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	7 Days						1275		2150		
1.	2.375		.750				57		455		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		69	1.000	.9258	1.008	796
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 2162 P _c ² 4622500				
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1		467	207025	4415475
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0489$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0365$$

$$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 825$$

Absolute Open Flow	825	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:

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