

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

Form C-122
 Revised 9-18-65

RECEIVED

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 9-16-83	
Company Amoco Production Company			Connection Not dedicated		
Pool Basin			Formation Dakota		Unit
Completion Date 8-20-83		Total Depth 7840		Plug Back TD 7832	Elevation 6692 GL
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7840	Perforations: From 7620 To 7822	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 7820	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P _a	
L		H	G _q	% CO ₂	% H ₂ S
					Prover
					Meter Run
					Taps
Farm or Lease Name Jicarilla Apache Tribal 151 Well No. 8E					
Unit Sec. Twp. Rge. B 3 26 5					
County Rio Arriba					
State New Mexico					

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	15 Days						2123		2440		
1.	2.375		.750				136		712		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 F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, MscfD
1	12.365		148	1.000	.9258	1.017	1723
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R
1.							XXXXXXXXXX	XXXXXX		
2.										
3.										
4.										
5.										

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	2452	724	524176	5488128	1.0955	1.0708
2						
3						
4						
5						

$AOIF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1845$

Absolute Open Flow 1845 Mscf @ 15.025 Angle of Slope θ Slope, n 25

Remarks: Med flow of water

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