

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 3/26/81	
Company Amoco Production Co.				Connection Southern Union Gas Co.	
Pool Ute Dome				Formation Dakota	
Completion Date 3/12/81		Total Depth 2568		Elevation 6085	
Csg. Size 4.500		Wt. 10.5		Set At 2568	
Tbg. Size 2.375		Wt. 4.7		Set At 2405	
Performance: From 2568 To 2410				Well No. 18	
Performance: From open To ended				Unit Sec. Twp. Rge. E 35 32N 14W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At None	
Producing Thru tubing				Reservoir Temp. °F 9	
Mean Annual Temp. °F 50				Baro. Press. - P _a 30.0	
L		H		Gg	
% CO ₂		% H ₂		% H ₂ S	
Prover		Meter Run		Taps	
County San Juan		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.	
SI	7 days						576		576	
1.	2.375		.750				90		309	
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, Mhd
1	12.365		102	1.000	.9258	1.011	1180
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	A.P.L. Gravity of Liquid Hydrocarbon	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	Mcf/bbl.	Deg.
1											XXXXXX	XXXXXX
2.												
3.												
4.												
5.												

NO.	P _t	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$
1		321	103041	242703	1.4246	1.3039
2						
3						
4						
5						

Absolute Open Flow 1539		Index = 15.025	Angle of Slope θ	Slope, n = .75
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Remarks: Light mist H₂O

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