

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

Form C-122
Revised 9-1-65

RECEIVED
JAN 15 1973
OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-19-72	
Company AMOCO PRODUCTION COMPANY				Connection None		
Pool Ute Dome Dakota				Formation Dakota		Unit
Completion Date 12-12-72		Total Depth 3188		Plug Back TD 3144		Elevation 6323 GL
Csg. Size 5-1/2"		Wt. 14#	d 5.012	Set At 3188	Perforations: From 3000 To 3119	
Tbg. Size 2-3/8"		Wt. 4.7#	d 1.995	Set At 3123	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 3100		Well No. 7
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a State New Mexico
L	H	Gg .70	% CO ₂	% N ₂	% H ₂ S	Prover
FLOW DATA			TUBING DATA		CASING DATA	
NO.	Pressure Line Size	X	Outside Size Choke	Press. p.s.i.g.	Diff. h _w	Temp. °F
SI	7 days					
1.	2"		.750			
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
1	12.3650		147	1.000	.9258	1.016
2.						
3.						
4.						
5.						
NO.	P _f	Temp. °R	T _f	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 813 P_c^2 660,969						
NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.2872}$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.239}$	
1		384	147456	513513		
2						
3						
4						
5						
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2119}$						
Absolute Open Flow _____ Mcfd @ 15.025					Angle of Slope θ _____	
Slope, n .85						
Remarks: _____						
Approved By Commission:		Conducted By: O. N. Thurston		Calculated By: P. Ellison/J. Pope		Checked By: J. A. Snell