

3 NMOCD

1 Ladd DE, G Mayfield

1 Ladd MID, C Phillips

File

IL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2008

Form C-122
Revised 10-1-78

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		10-22-82					
Company				LADD PETROLEUM CORP.				Connection							
Pool				Fulcher Kutz				Formation				Pictured Cliffs			
Completion Date				10-15-82				Total Depth				1800'			
Plug Back TD								Elevation				5824'			
Form or Lease Name				U S Argo				Well No.				3			
Csg. Size		2-7/8"		Wt.		6.5#		Set At		1785		Perforations		From 1598 To 1627	
Tiq. Size				Wt.				Set At				Perforations		From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple				Single				Packer Set At							
Producing Thru Casing				Reervoir Temp. °F				Mean Annual Temp. °F				Base Press. - P _a			
L				H				Cg				.62			
% CO ₂				% N 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	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								341		7 days
1.	7/16" positive choke							179	64	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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	4.171		191	.9962	.9837	1.017	794
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcft/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _r	P _w	P _r ²	P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	353	124,609			1.44	1.36
2.						
3.						
4.						
5.						

NO.	P _r	P _w	P _r ²	P _w ²	AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	36,481	194.6	37,860	86749	1080
2.					
3.					
4.					
5.					

Absolute Open Flow		1080		Mcf/d @ 15.025		Angle of Slope		40°		Slope, n		.85	
Remarks: Dry gas!													
Approved by Division													
Conducted by J Anderson													
Calculated by J Anderson													
Checked by													