

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL JUN 4 1980

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date		LADD - DEWEY	
Company Ladd Petroleum Corp.				Connection				
Pool Basin				Formation Dakota				Unit
Completion Date 5-21-80		Total Depth 6511'		Plug Back TD 6433'		Elevation		Form or Lease Name Federal
Coq. Size 4-1/2"	Wt. 10.5#	d	Set At 6519' RKB	Perforations From 6240 To 6353		Well No. A #1E		
Thq. Size 1-1/2"	Wt. 2.9#	d	Set At 6330' RKB	Perforations From Open To End		Unit Sec. Twp. Rwy. 25 30 13		
Type Well - Single - Drdhead - G.C. or G.O. Multiple Single - Gas					Packer Set At		County San Juan	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico
L	H	G _g .65 est	% 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							1643		1643		7 days
1.											
2.											
3.	3/4" Pos Choke					70°			870		3 hrs
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	Rate of Flow O. Mcd
1						
2						
3	12.365		134	.9905	.9608	1594
4						
5						

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

$P_c = 1655$ $P_c^2 = 2,739,025$					$(1) \frac{P_c^2}{P_t^2 - P_w^2} = 1.3967$		$(2) \left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.2848$	
NO.	P _t ²	P _w ²	P _t ²	P _t ² - P _w ²				
1								
2								
3		882	777,924	1961101	$LOG = 0 \left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 2048$			
4								
5								

Absolute Open Flow 2048		Mcd @ 15.025		Angle of Slope @		Slope, n 75	
Remarks							

Approved By Division	Conducted By	Calculated By	Checked By
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