

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
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 5-22-84			
Company Ladd Petroleum Corporation				Connection				
Pool Basin Dakota				Formation Dakota				Unit
Completion Date 5-7-84		Total Depth 7400'		Plug Back TD 7334'		Elevation 6618 RKB		Farm or Lease Name Lindrith
Csq. Size 5 1/2"	Wt. 15.5 & 17.0	d 4.950"	Set At 7383'	Perforations: From 7169' To 7295'		Well No. 14E 14E		
Tbg. Size 1 1/2"	Wt. 2.9	d 1.610"	Set At 7244'	Perforations: From Open ended To		Unit J	Sec. 4	Twp. 26N
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico
L	H	Gg 0.65 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.	
SI							1155		1898	
1.										
2.	5/8" posit. ck.			85		76			710	3 hrs
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2.	7.522		97	.9850	1.240	1.012	902
3.							
4.							
5.							

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

NO	P _t ²	P _w	P _w ²	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} = 1.1667$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1.1226$
1						
2		722	521,284	3,126,816		
3						
4						
5						

$AOF = Q \left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1013$

Absolute Open Flow	1013	Mcfd @ 15.025	Angle of Slope @	Slope, n
Remarks:				

Approved By Division	Conducted By: Tornes	Calculated By: Tornes	Checked By:
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TEMPERATURE SURVEY LOG

