NEW MEXICO OIL CONSERVATION COMMISSION

Revised 9-1-65

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED

MAY 29 1980

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 5-23-80	
Company: Ladd Petroleum Corp.		Connection:			Unit: ~~LADD - DENVER~~
Pool: Basin Dakota		Formation: Dakota			
Completion Date: 5-16-80	Total Depth: 6436'	Plug Back TD: 6360'	Elevation: 5856 KB		Farm or Lease Name: Knauff B
Csg. Size: 4-1/2"	Wt.: 10.5#	d: 4.052	Set At: 6436'	Perforations: From 6169 To 6286	Well No.: 1E
Tbg. Size: 1-1/2"	Wt.: 2.9#	d:	Set At: 6265'	Perforations: From Open To End	Unit: N Sec.: 31 Twp.: 28N Rge.: 10W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas			Packer Set At:		County: San Juan
Producing Thru: tbg	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a:		State: New Mexico
L:	H:	Gg: .65 est	% CO_2:	% N_2:	% H_2S: 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					1338		1343		7 days
1.									
2.							582		hrs
3.	3/4" Pos Choke	57		60					
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							
2.							
3.	12.365		69	1.000	.9608	1.000	820
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.

Specific Gravity Separator Gas _____ XXXXXXXXX

Specific Gravity Flowing Fluid XXXXX _____

Critical Pressure _____ P.S.I.A. _____ P.S.I.A.

Critical Temperature _____ R _____ R

P_c 1355 P_c^2 1,836,025

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3		594	352,836	1483189
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2379$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1736$ ($n = .75$)

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 962$

Absolute Open Flow 962 Mcfd @ 15.025

Angle of Slope θ _____

Slope, n .75

Remarks: Spray of condensate throughout test

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Jacobs	Jacobs	

OIL JUN 12 1980 COM.