OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 4-25-85

Company: Consolidated Oil & Gas, Inc.	Connection: Northwest Pipeline		Unit
Pool: Basin Dakota	Formation: Dakota		
Completion Date: 2-8-85	Total Depth: 8040	Plug Back TD: 7993 (EC)	Elevation: 6975 GL
Csg. Size: 5½"	Wt.: 15.5#	d: 4.950	Set At: 8037
Tbg. Size: 1.90	Wt.: 2.76#	d: 1.610	Set At: 7965
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Dual Gas		Packer Set At: 7920	
Producing Thru: Tbg	Reservoir Temp. °F: 144 @ 3670	Mean Annual Temp. °F	Baro. Press. - P_a
L	H	Gg	%CO_2	%N_2	%H_2S	Prover: 2" Crit. Flow	Meter Run	Taps

Perforations: From 7772 To 7996

Well Name: JICARILLA 3
Well No.: 3-E
Unit: F Sec.: 8 Twp.: 26N Rge.: 5W
County: Rio Arriba
State: New Mexico

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. psig.	Diff. h_w	Temp. °F	Press. psig.	Temp. °F	Press. psig.	Temp. °F	Duration of Flow
SI	1/4" Pipe						1352	60	PBU		
1.	2	x	3/4"				81	60	PBU		3 hours
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	9.453		(CFP) 55	1.000	1.240	1.000	645
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1364 P_c^2 1860496

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			44041	1816455
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0242$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0181$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 657$

Absolute Open Flow 657 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Richard Housh	Richard Housh	