STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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 WELLS

RECEIVED
AUG 31 1984
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 8-18-84	
Company: Consolidated Oil&Gas,Inc.		Connection:			
Pool: Basin Dakota		Formation: Dakota			Unit:
Completion Date: 7-30-84	Total Depth: 7320'		Plug Back TD: 7277'	Elevation: 6929'GL	Farm or Lease Name: CON HALE
Csg. Size: 5-1/2"	Wt.: 15.5	d: 4.950	Set At: 7320'	Perforations: From 7054' To 7258'	Well No.: 3E
Tbg. Size: 1-1/2"	Wt.: 2.9#	d: 1.610	Set At: 7203'	Perforations: From To	Unit: J Sec.: 26 Twp.: 26N Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: single			Packer Set At:		County: San Juan
Producing Thru: tubing	Reservoir Temp. °F: 0	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.650est				2x6x3/4"	pos.	choke

FLOW DATA					TUBING DATA		CASING DATA		
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	Duration of Flow
SI	8 days				1107		849		
1.	2x3/4				36	60°	468		3hrs
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	11.00		48	1.000	1.240	1.000	655
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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 1119 P_c^2 1252161

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		480	230400	1021761
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2255$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1648$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 763$

Absolute Open Flow 763 Mcfd @ 15.025 | Angle of Slope θ 53.13 | Slope, n _____

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	Rick Baird	Neil Tefteller	