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
OCT 12 1984
OIL CON. DIV.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date	Unit
Company: Consolidated Oil & Gas, Inc.		Connection: Northwest Pipeline			
Pool: Basin Dakota		Formation: Dakota			
Completion Date: 9-1-84	Total Depth: 8210	Plug Back TD: 8160	Elevation: 7012 GR	Farm or Lease Name: Tribal "C"	
Csg. Size: 5 1/2 / Wt.: 15.5 / d: 4.950 / Set At: 8197		Perforations: From 7970 To 8148		Well No.: 1E	
Tbg. Size: 1 1/2 / Wt.: 2.9 / d: 1.610 / Set At: 8127		Perforations: From To		Unit: F / Sec.: 6 / Twp.: 26N / Rge.: 3W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual gas		Packer Set At: 7690		County: Rio Arriba	
Producing Thru: Tbg.	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico	
L	H	Gg: .650 est.	% CO_2	% N_2	% H_2S
Prover: 6" choke nipple	Meter Run	Taps			

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	9-18-84 (14 days)				2079		Pkr.		
1.	3/4"x2"x6" pos. choke				61	60			3 hour
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		773	1.000	1.240	1.000	996
2.							
3.							
4.							
5.							

NO.	P_t	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 2091 P_c^2 4372281

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		302	91204	4281077
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0213$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0159$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1012$

Absolute Open Flow 1012 Mcfd @ 15.025 Angle of Slope θ 53.13 Slope, n .75

Remarks:

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