NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date	
Company: Consolidated Oil & Gas Inc.		Connection			
Pool: Basin		Formation: Dakota		Unit	
Completion Date: 4/28/80	Total Depth: 7150	Plug Back TD: 7119	Elevation: 5978' KB	Farm or Lease Name: Mitchell	
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 7150		Perforations: From 6882 To 7106		Well No.: 1 E	
Tbg. Size: 1.900 / Wt.: 2.75 / d: 1.610 / Set At: 6968		Perforations: From To		Unit: F / Sec.: 5 / Twp.: 31 / Rge.: 12	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At		County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	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	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						860		1160		
1.	2"	0.750				45		505	58°	3 Hrs.
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	12.365		57	1.0019	0.9608	1.004	681
2							
3							
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 1172 P_c^2 1373584

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		517	267289	1106295
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2416$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right] = 1.1762$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 801$

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MAY 19 1980
OIL CON. COM.
DIST. 3

Absolute Open Flow 801 Mcfd @ 15.025 Angle of Slope θ _____ Slope n .75

Remarks: _____

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