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: 9-13-80	
Company: Consolidated Oil & Gas, Inc.		Connection:			
Pool:		Formation: Dakota		Unit:	
Completion Date	Total Depth: 6840		Plug Back TD: 6807	Elevation: 6886KB	Farm or Lease Name: Langendorf
Csg. Size: 5 1/2 / Wt.: 15½ / d: ID 4.950 / Set At: 6835			Perforations: From 6521 To 6764		Well No.: 1-E
Tbg. Size: 1 1/2 / Wt.: 2.9 / d: ID 1.610 / Set At: 6622			Perforations: From To		Unit: Sec. 34 Twp. 31N Rge. 13W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual			Packer Set At: 5050		County:
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a:		State:

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
.		.650 est.				6" nipple		

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 days				2020		Pkr.		
1.	2 X 3/4				107	60	Pkr.		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	11.00		119	1.000	1.240	1.012	1643
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 2032 P_c^2 4129024

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1			210902	3918122
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0538$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0400$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1709$

RECEIVED
OCT 8 1980
OIL CON. COM.
DIST. 3

Absolute Open Flow 1709 Mcfd @ 15.025 | Angle of Slope θ 53.13 | Slope, n .75

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Lynn Alexander	Neil Tefteller	