

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9-17-80	
Company Consolidated Oil & Gas, Inc.						Connection	
Pool Mesa Verde						Unit	
Completion Date		Total Depth		Plug Back TD 6807		Elevation 6886 KB	
Farm or Lease Name Langendorf						Well No. 1-E	
Csg. Size 5½	Wt. 15½	d ID 4.950	Set At 6835	Perforations: From 4376 To 4654		Unit Sec. Twp. Rge. 34 31N 13W	
Tbg. Size 1½	Wt. 2.4	d ID 1.380	Set At 4425	Perforations: From To			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At 5050	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a New Mexico	
L	H	Gg .650 est.	% CO ₂	% N ₂	% H ₂ S	Prover 6" nipple	Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
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.	
SI	14 days						680		1155	
1.	2 X 3/4						8	60	942	3 hours
2.										
3.										
4.										
5.										

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		20	1.000	1.240	1.000	273
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 1167	P _c ² 13619					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.0144$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.2877$
1		954	910.1	451.8		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 625$

625

Absolute Open Flow	625	Mcf @ 15.025	Angle of Slope @	53.13	Slope, n	.75
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Remarks: Wet

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