

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-3-84		RECEIVED AUG 13 1984 OIL CON. DIV. DIST. 3	
Company Consolidated Oil & Gas, Inc.		Connection Northwest Pipeline Corp.			
Pool B.S. Mesa Gallup		Formation Gallup			
Completion Date 6-14-84		Total Depth 8406'			
Plug Back TD 7800 PBDT (BP)		Elevation 7256 KB		Face of Well Name Hoyt	
Csg. Size 5 1/2	Wt. 15.5#	d 4.950	Set At 8366'	Perforations: From 7362 To 7740	
Trg. Size 1 1/2	Wt. 2.9#	d 1.610	Set At 7568	Perforations: From To	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Multiple Gas				Packer Set At Retr. BP @ 7800'	
Producing Thru Tbg		Reservoir Temp. °F		Mean Annual Temp. °F	
Baro. Press. - P _a		State New Mexico			
L	H	Gg	% CO ₂	% N ₂	% H ₂ S
Prover		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							1072		1070	
1.	2"x6"x3/4" pos. choke						28		312	
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		40	1.000	1.240	1.000	545.6
2.							
3.							
4.							
5.							

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

NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0985$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0730$
1		324	104976	1065748		
2.						
3.						
4.						
5.						

Absolute Open Flow <u>585.4</u> Mcfd @ 15.025				Angle of Slope @ <u>53.13</u>		Slope, n <u>.75</u>	
Remarks: _____							
Approved By Division		Conducted By:		Calculated By:		Checked By:	