

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 8/26/1981	
Company Conoco Inc.				Connection New			
Pool West Lindrith				Formation Gallup / Dakota		Unit D	
Completion Date 7/10/1981		Total Depth 7637'		Plug Back TD 7636'		Elevation 6918	
Farm or Lease Name Jicarilla		Well No. 20-8					
Jsg. Size 5 1/2	Wt. 15.5#	d 4.950	Set At 7650	Perforations: From 6554 To 7609			
Thg. Size 2 3/8	Wt. 4.7#	d 1.995	Set At 7498'	Perforations: From - To -			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @ 180°F		Mean Annual Temp. °F 55°		Baro. Press. - P _a 12.2	
State N.M.							
L 7-28'	H 7498'	G _g .710	% CO ₂	% N ₂	% H ₂ S	Prover 6" x	Meter Run 3 1/4"
						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.	Temp. °F	
SI							1251#	186°	1265#		5.1.
1.	3/4" x 6" choke nipple			172#		73°	172#	73°	512#		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.0		184.2	.9877	1.187	n/a.	2375.5
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 _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w ²	P _w ²	P _t ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1630729}{1470571} \cdot 1.108^{(2)} \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.079$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2565.4$
1	43029.4	400.196	160157.62	147057.1	
2					
3					
4					

Absolute Open Flow	2565.4	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
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Remarks:			
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Approved By Commission:	Conducted By: R.A. Farmer	Calculated By: YR A Farmer	Checked By:
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