

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

RECEIVED
Form 6-1
Revised 9-66

JAN 20 1969

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12/8/1988		OIL CON. DIV. DIST. 3	
Company Conoco Inc.				Connection New			
Pool West Lindrith				Formation Undersignated Fallup/Dakota		Unit Letter H	
Completion Date 11/23/1988		Total Depth 8073		Plug Back TD 8024		Elevation 7192'	
Csg. Size 5 1/2		Wt. 17.0		Set At 4.892		Perforations: From To	
Tbg. Size 2 3/8		Wt. 4.7		Set At 1.995		Perforations: From 7660 To 7880	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single / Gas-Oil				Packer Set At N/A		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 145° @ 7770'		Mean Annual Temp. °F 55°F		Baro. Press. - P _a 12.2	
L 7878		H 7878		Gg .709		% CO ₂ N/A	
				% N ₂ N/A		% H ₂ S N/A	
				Prover 3/4" x 6"		Meter Run N/A	
						Taps N/A	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							1503 [#]		1503 [#]		51.7 DAYS
1.	3/4" x 6" Choke Nipple						290 [#]	45°F	635 [#]		1 hours
2.	"						290 [#]	68°F	580 [#]		2 hours
3.	"						140 [#]	66°F	370 [#]		3 hours
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							
2							
3	11.00	—	152.2	.9943	1.188	.968	1914
4							
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					13	
2					41° API @ 60°F	
3	.22	526°R	1.33	.968	.709	XXXXXXXXXX
4					XXXXXX	
5					668	

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	1515.2	2295831.04			1.047	1.035
2						
3	23164.84	321.354	103268.437	2192562.6	1981.33	
4						
5						

Absolute Open Flow <u>1981.33</u> Mcfd @ 15.025		Angle of Slope θ _____		Slope, n <u>.75</u>	
Remarks: _____					
Approved By Commission:		Conducted By: R.A. Farmer		Calculated By: R.A. Farmer	
				Checked By: Silvestre D. Hughes	