

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 5/9/80	
Company Conoco Inc.				Connection None		
Pool Basin				Formation Dakota		Unit L
Completion Date 4/23/80		Total Depth 6968.5		Plug Back TD 6855.82		Elevation 6631
Farm or Lease Name N.E. HAYNES						
Csg. Size 5.5	Wt. 15.5 #	d 5.22	Set At 6928.56	Perforations: 6731 6741 From 6755 To 6802		Well No. 3 E
Tbg. Size 2 3/8	Wt. 4.7 #	d 1.995	Set At 6751.0 K.B.	Perforations: NONE From NONE To NONE		Unit Sec. Twp. Rge. L 16 24 5
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 111°		Mean Annual Temp. °F 55°		Baro. Press. - P _g 14.7
State N.m.						
L 6737	H 6737	Gg .600	% CO ₂	% N ₂	% H ₂ S	Prover 3/4" x 2
						Meter Run Choke
						Taps Nipple

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	S.I. 7 DAYS					-	1130 #	-	1130 #	-	S.I.
1.	3/4" x 2" Choke					-	110 #	63°	519 #	-	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604	-	124.7	.9981	1.291	-	1,543.18
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	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	

P _c 1130.0	P _c ² 1276900.0	
NO.	P _t	P _w
1	15550.09	53695.7
2		
3	26229	68796.64
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0557}{.957}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0415}{.972}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1607.2}{1.499.9}$$

$$AOF = Q$$

Absolute Open Flow 1,499.9	Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: _____

Approved By Commission:	Conducted By: R.A.F.	Calculated By: R.A.F.	Checked By:
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