

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date (Retest) 6/25/1980		Well Name WELL FILE	
Company NWP Corporation			Connection New Completion		
Pool South Los Pinos			Formation Pictured Cliffs - Fruitland		Unit SJ 32-7
Completion Date 5-17-80		Total Depth 3840	Plug Back TD 3832	Elevation 6739	Form or Lease Name SJ 32-7 Unit
Csg. Size 2.875	Wt. 6.4	d 2.441	Set At 3840	Perforations: From 3514 To 3530	Well No. 54 PC
Tub. Size None	Wt.	d	Set At	Perforations: From To	Unit Sec. Twp. Rge. B 9 31N 7W
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Gas - Tubingless Completion				Packer Set At None	County San Juan
Producing Thru Casing		Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P _a 12.0	State New Mexico
L	H	G _{est.} .680	% CO ₂	% N ₂	% H ₂ S
				Prover positive choke	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.		Temp. °F
1.	2	x	.750	22					1154		SIP
2.									22		3hrs.
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		34	1.000	1.214	1.004	398
2.							
3.							
4.							
5.							

NO.	P _r	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 1166	P _c ² 1359556				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0014$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0012$
NO. 1	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²		
1		44	1936	1357620		
2		(calc)				
3						
4						
5						

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 398$			
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Absolute Open Flow	398	Mcf @ 15.025	Angle of Slope	Slope, n 85
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Remarks: Produced intermittent slugs of water & sand.				
GL	I-E-S	(F _c Q) ²	R ²	Pt ²
2390	.160	4881	781	1156
Pt ² + R ² =		PW		
1937		44		

Approved By Commission:	Conducted By: Fred Hamrick	Calculated By: B.J. Broughton	Checked By:
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