NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [XX] Initial [ ] Annual [ ] Special				Test Date: 3-12-81	
Company: NWP Corp.		Connection: New Well			
Pool: Basin		Formation: Dakota		Unit: Rosa Unit	
Completion Date: 1-29-81	Total Depth: 8015	Plug Back TD: 7994	Elevation: 6261	Farm or Lease Name: Rosa Unit	
Csg. Size: 5.500 / Wt.: 17# / d: 4.653 / Set At: 8015		Perforations: From 7845 To 7857		Well No.: #80DK	
Tbg. Size: 1.900 / Wt.: 2.9 / d: 1.610 / Set At: 7905		Perforations: From To		Unit: K / Sec.: 8 / Twp.: 31N / Rge.: 5W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas-Dual Completion		Packer Set At: 5900		County: Rio Arriba	
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover: 3/4" Position	Meter Run	Taps
		.60						

FLOW DATA — TUBING DATA — CASING DATA

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	Duration of Flow
SI					2553				SIP
1.	2" X .750	82		58	82				3 hrs.
2.									
3.									
4.									
5.									

Choke

APR 29 1981

OIL CON. COM.
DIST. 3

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	9.604		94	1.002	1.291	1.007	1176
2							
3							
4							
5							

NO.	P_r	Temp. °R	T_r	Z
1				
2				
3				
4				
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 2565 P_c^2 6579225

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		94	8836	6570389
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0013$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0010$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1177$

Absolute Open Flow _____ Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Produced light to med H_2O mist

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Fred S. Hamrick	Fred S. Hamrick	