NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 6/4/1980	
Company: NWP Corporation		Connection: New Completion			
Pool: Basin		Formation: Dakota		Unit: SJ 32-7	
Completion Date: 5/27/80	Total Depth: 7890	Plug Back TD: 7860	Elevation: 6333	Farm or Lease Name: SJ 32-7 Unit	
Csg. Size: 4500 / Wt.: 10.5 / d: 4.052 / Set At: 7875		Perforations: From 7791 To 7808		Well No.: 56	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 7798 / Set At:		Perforations: From To		Unit: E / Sec.: 17 / Twp.: 32N / Rge.: 7W	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Single		Packer Set At: None		County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0	State: New Mexico	
L:	H:	Gg: est. .585	% CO_2:	% N_2:	% H_2S:
Prover: positive choke	Meter Run:	Taps:			

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							2155		2600		SIP
1.	2	x	.750	40		64°	40		219		3 hrs.
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.604		52	.996	1.307	1.002	651
2.							
3.							
4.							
5.							

NO.	P_t	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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

RECEIVED JUN 23 1980 OIL CON. COM. DIST. 3

P_c 2612 P_c^2 6822544

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		231	53361	6769183
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0079$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0059$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 655$

Absolute Open Flow 655 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Well produced medium mist of water.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	George Bryan	B.J. Broughton	