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: 6-22-77	
Company: Union Texas Petroleum	Connection: El Paso			
Pool: Blanco	Formation: Mesaverde		Unit	
Completion Date: 6-15-77	Total Depth: 5003	Plug Back TD: 4973	Elevation: 5677 G.L.	Farm or Lease Name: Maddox Com
OD: 7.000 & 4.500 / Wt: 10.79 & 10.5# / d: 4.052 / Set At: 2705 & 5003	Perforations: From 3959-4266 To 4489-4953			Well No.: 1-A
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: 1.995 / Set At: 4939	Perforations: From Open To Ended			Unit: I / Sec.: 17 / Twp.: 30N / Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12 est.	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		0.650est						

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	7 day						663		701		
1.	2 "		.750	323			323	60°	631	60°	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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		335	1.0000	.9608	1.033	4111
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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

P_c 713 P_c^2 508369

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		643	413449	94920
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.3558$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right] = 3.5206$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 14,473$

JUN 30 1977
OIL CON. COM.
DIST. 3

Absolute Open Flow 14,473 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: 4.500 liner set from 2526' to 5003'
Well unload heavy spray of oil at 3 minutes and water at 4 minutes.
Well flared throughout test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	JFE	JFE	Mr. Don Wells