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: 10/10/84	
Company: Union Texas Petroleum Corp.		Connection: Gas Company of New Mexico		
Pool: Basin Tapacito Blanco		Formation: Dakota Gallup Greenhorn Mesaverde		Unit:
Completion Date: 8/30/84	Total Depth: 7712	Plug Back TD: 7664	Elevation: 6658	Farm or Lease Name: Jicarilla "H"
Csg. Size: 5.500 / Wt.: 15.50 / 17.00 / d: 4.950 / 4.892 / Set At: 7708		Perforations: From 4880 To 7653		Well No.: 7-E
Tbg. Size: 2.375 / Wt.: 4.70 / d: 1.995 / Set At: 7628		Perforations: From 7564 To 7570		Unit: D / Sec.: 19 / Twp.: 26N / Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Gas - Oil - Commingled		Packer Set At: NA		County: Rio Arriba
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
7552		0.700						

	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	2"	3/4"				901		878		7 days
1.						165	68°	661		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		177	0.9924	0.9258	1.019	2,049
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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 913 P_c^2 833,569

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		673	452,929	380,640
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1899$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.8001$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3688$

Absolute Open Flow 3688 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bruce Voiles	Ken Roddy	