NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool **Ballard Pictured Cliff** Formation **Pictured Cliff** County **San Juan**

Initial **X** Annual _____ Special _____ Date of Test **April 4, 1956**

Company **J. Glenn Turner** Lease **Christine Hughes** Well No. **6-4**

Unit **A** Sec. **4** Twp. **27N** Rge. **9W** Purchaser _____

Casing **5½** Wt. _____ I.D. _____ Set at **2946** Perf. _____ To _____

Tubing **1¼** Wt. _____ I.D. _____ Set at **3002** Perf. _____ To _____

Gas Pay: From **2939** To **3010** L _____ xG **0.735** -GL _____ Bar.Press. _____

Producing Thru: Casing **X** Tubing _____ Type Well **Single**
Single-Bradenhead-G. G. or G.O. Dual

Date of Completion: _____ Packer _____ Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps _____

No.	Flow Data (Prover) (Line) Size	Flow Data (Choke) (Orifice) Size	Flow Data Press. psig	Flow Data Diff. h_w	Flow Data Temp. °F.	Tubing Data Press. psig	Tubing Data Temp. °F.	Casing Data Press. psig	Casing Data Temp. °F.	Duration of Flow Hr.
SI						707		707		
1.		3/4	232			259		232	54	3 hours
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	14.1605		244	1.0058	0.9035	1.034	3247
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
F_c _____ $(1-e^{-s})$ _____ P_c _____ P_c^2 _____

No.	P_w P_t (psia)	P_t^2	F_cQ	$(F_cQ)^2$	$\frac{(F_cQ)^2}{(1-e^{-s})}$	P_w^2	$P_c^2-P_w^2$	Cal. P_w	$\frac{P_w}{P_c}$
1.									
2.									
3.									
4.									
5.									

Absolute Potential: **3700** MCFPD; n **0.850**
COMPANY **El Paso Natural Gas Company**
ADDRESS **Box 997, Farmington, N.M.**
AGENT and TITLE **Tom Grant, Gas Engineer**
WITNESSED **Virgil Stoebe**
COMPANY **Benson-Montin-Greer**

REMARKS

RECEIVED
APR 6 1956
OIL CON. COM.
DIST. 3