File

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool: **Basin**		Formation: **Dakota**		County: **San Juan**	
Initial: **X**	Annual:	Special:		Date of Test: **7-11-66**	
Company: **PAN AMERICAN PETROLEUM CORPORATION**		Lease: **Jack Frost Gas Com "E"**		Well No.: **1**	
Unit: **D**	Sec.: **25**	Twp.: **27N**	Range: **10W**	Purchaser: **El Paso Natural Gas Co. (connected)** when	
Casing: **4.500**	Wt.: **10.5**	I.D.: **4.052**	Set at: **7052**	Perf.: **6835-6845**	To: **6927-6947, 6990-7005**
Tubing: **2.375**	Wt.: **4.7**	I.D.: **1.995**	Set at: **6841**	Perf.: **6804**	To: **6810**
Gas Pay:	From: **6835**	To: **7005**	L: **6920**	G: **.700**	GL: **4844**	Bar. Press.: **12**
Producing Through:	Casing:	Tubing: **X**	Type Well – Single – Braden head – G.G. or G.O. Dual: **Single**		
Date of Completion: **7-2-66**	Packer: **None**	Reservoir Temp.:			

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐ Type of Taps

No.	FLOW DATA: (Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h_w	Temp. °F.	TUBING DATA: Press. psig.	Temp. °F.	CASING DATA: Press. psig.	Temp. °F.	DURATION OF FLOW HR.
SI	**9 Days**					**1867**		**1871**		
1.	**2 Inch**	**.750**	**408**			**408**	**60°est.**	**889**	**60°est.**	**3 Hr.**
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-MCF P D @ 15.025 psia
1.	**12.3650**		**420**	**1.0000**	**.9258**	**1.052**	**5058**
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 **1883** P_c^2 **3,545,689**

No.	P_w / P_t psia	P_t^2	$F_c Q$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
1.						**811,801**	**2,733,888**		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **6146** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED **None**

ADDRESS **Box 480, Farmington, New Mexico** COMPANY _____

AGENT AND TITLE Orginal Signed By G. W. EATON, JR. **G. W. Eaton, Jr., Area Engineer**

RECEIVED JUL 21 1966 OIL CON. COM. DIST. 3