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: 11-29-65
Company: PAN AMERICAN PETROLEUM CORPORATION	Lease: Gallegos Canyon Unit		Well No.: 197
Unit: J	Sec.: 36	Twp.: 29N	Range: 13W	Purchaser:
Casing: 4-1/2	Wt.: 10.5	I.D.: 4.052	Set at: 6077	Perf.: 5954-70, 5871-89	To: 5988-6002
Tubing: 2-3/8	Wt.: 4.7	I.D.: 1.995	Set at: 5883	Perf.: 5845	To: 5851
Gas Pay:	From: 5871	To: 6002	L: 5937	G: .700	GL: 4156	Bar. Press.: 12
Producing Through:	Casing	Tubing: X	Type Well – Single – Braden head – G.G. or G.O. Dual: Single
Date of Completion: 11-21-65	Packer: None	Reservoir Temp.	

OBSERVED DATA

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

No.	(Prover) (Line) Size	(Orifice) Size	FLOW DATA Press. psig	Diff. h_w	Temp. °F.	TUBING DATA Press. psig	Temp. °F.	CASING DATA Press. psig	Temp. °F.	DURATION OF FLOW HR.
SI	8 Days					2100		2103		
1.	2 Inch	.750	897			897	60° est.	1762	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.	12.3630		909	1.000	.9238	1.128	11,717
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 2115 P_c^2 4,473,225

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.						3,147,076	1,326,149		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 29,162 MCFPD; n .75

COMPANY PAN AMERICAN PETROLEUM CORPORATION WITNESSED _____

ADDRESS Box 480, Farmington, New Mexico COMPANY _____

AGENT AND TITLE G. W. Eaton, Jr., Area Engineer By _____

RECEIVED
DEC 6 1965
OIL CON. DIST.