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: 8-3-65
Company: PAN AMERICAN PETROLEUM CORP.	Lease: Pearce Gas Unit		Well No.: 1
Unit: K	Sec.: 23	Twp.: 29N	Range: 13W	Purchaser:
Casing: 4-1/2	Wt.: 10.5	I.D.: 4.052	Set at: 6274	Perf.: 6090-6102	To: 6154-82
Tubing: 2-3/8	Wt.: 4.7	I.D.: 1.995	Set at: 6119	Perf.: 6081	To: 6087
Gas Pay:	From: 6090	To: 6102	L: 6136	G: .700	GL: 4393	Bar. Press.: 12
Producing Through:	Casing:	Tubing: X	Type Well – Single – Braden head – G.G. or G.O. Dual: Single
Date of Completion: 7-26-65	Packer: None	Reservoir Temp.:

OBSERVED DATA

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

	FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h_w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	HR.
SI	8 days					1065		1067		
1.	2 inch	.750	306			306	60°	716	60°	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.	12.3690		318	1.000	.9258	1.030	3781
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 1879 P_c^2 3,530,641

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 / P_c
1.						529,984	3,000,657		
2.									
3.									
4.									
5.									

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DIST. 3

ABSOLUTE POTENTIAL: 4273 MCFPD; n .75

COMPANY: PAN AMERICAN PETROLEUM CORPORATION WITNESSED _____

ADDRESS: Box 480, Farmington, New Mexico COMPANY _____

AGENT AND TITLE: C. W. Eaton, Jr., Area Engineer _____