

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

Form C-122
Revised 12-1-55

Basin Basin		Formation Dakota		County Rio Arriba	
Initial X	Annual	Special	Date of Test 7-29-65		
Company PAN AMERICAN PETROLEUM CORPORATION		Lease Jicarilla #35-A Gas Unit		Well No. 1	
Unit M	Sec. 11	Twp. 24N	Range 3W	Purchaser	
Casing 4-1/2	Wt. 10.5	I.D. 4.032	Set at 6995	Perf. 6855	To 6875
Tubing 2-3/8	Wt. 4.7	I.D. 1.995	Set at 6872	Perf. Open	To Ended
Gas Pay:	From 6855	To 6875	L 6865	G .700	GL 4806
			Bar. Press. 12		
Producing Through:		Casing	Tubing X	Type Well - Single - Broken head - S.G. or G.O. Dual Single	
Date of Completion 7-21-65		Packer None		Reservoir Temp.	

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐						Type of Test				
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) Size	(Choke) Size	Press. psig.	Diff. Pw	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.	8 days					2032		2036		
2.	2 inch	.750	364			364	60° est.	783	60° est.	3 hr.
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{\frac{P_w}{P_t}}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCF PD @ 15.025 psia
1.	12.3650		376	1.000	.9258	1.046	4502
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 _____

P_c _____ ($1-e^{-S}$) P_c **2068** P_c^2 **4,276,624**

No.	$\frac{P_w}{P_t}$ psia	P_t^2	F_c	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
1.						632,025	3644599		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **5075** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

ADDRESS **Box 400, Farmington, New Mexico** COMPANY Signed By _____

AGENT AND TITLE **G. W. Eaton, Jr., Area Engineer** **G. W. Eaton, Jr.**