

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

Form C-122
Revised 12-1-55

Pool Basin			Formation Bakota			County San Juan		
Initial X		Annual		Special		Date of Test 6-29-63		
Company PAN AMERICAN PETROLEUM CORPORATION				Lease Chaves Gas Unit "D"			Well No. 1	
Unit 6	Sec. 3	Twp. 29N	Range 9W		Purchaser			
Casing 4-1/2	Wt. 10.5	I.D. 4.032	Set at 6796		Perf. 6384-6608		To 6692-6710	
Tubing 2-3/8	Wt. 4.7	I.D. 1.995	Set at 6381		Perf. 6345		To 6351	
Gas Pay: From 6384		To 6710		L 6647		G .700		GL 4653
								Bar. Press. 12
Producing Through:			Casing		Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion 6-18-63			Packer None			Reservoir Temp.		

OBSERVED DATA

Tested Through: Prover <input type="checkbox"/> Choke <input checked="" type="checkbox"/> Meter <input type="checkbox"/>						Type of Taps				
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.	11 Days					2140		2142		3 hr.
1.	2 Inch	.750	401			401	60° est.	1121	60° est.	
2.										
3.										
4.										

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		413	1.0000	.9258	1.031	4969
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 **7134** P_c **4,639,716**

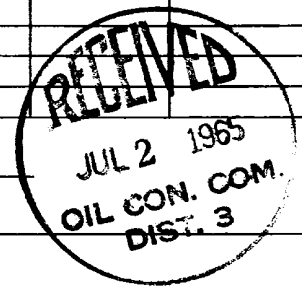
No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1 - e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$
1.						1,283,609	3,336,027		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **6335** MCFPD: **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

ADDRESS **Box 480, Farmington, New Mexico** COMPANY _____ ORIGINAL SIGNED BY **F. W. Foell**

AGENT AND TITLE **F. L. Hubers, District Engineer** By _____



TABULATION OF DEVIATION TESTS

PAN AMERICAN PETROLEUM CORPORATION

Gas Conn.
Chavez Gas Unit "D" No. 1
DEPTH DEVIATION

279'	1/4°
676	1/2
1073	1/2
1235	3/4
1767	3/4
2198	1
2880	1
3290	1-1/2
3679	1-1/2
4070	1-1/4
4500	3/4
4910	1/2
5326	3/4
5800	1
6210	1-1/4
6610	5
6768	5

A F F I D A V I T

THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation test taken on PAN AMERICAN PETROLEUM CORPORATION'S

Chavez Gas Unit "D" No. 1, Basin Dakota Field, located in the SW/4 NE/4 of Section 3, T-29N, R-9W, San Juan County, New Mexico.

Sign'd *F. H. Hollingsworth*
 Petroleum Engineer

THE STATE OF NEW MEXICO)
) SS.
 COUNTY OF SAN JUAN)

BEFORE ME, the undersigned authority, on this day personally appeared *F. H. Hollingsworth* known to me to be Petroleum Engineer for Pan American Petroleum Corporation and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for **OIL CON. COM.** said County and State this 6th day of July, 1965. **DIST. 3**

K. R. [Signature]
 Notary Public

