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: 7-29-66
Company: PAN AMERICAN PETROLEUM CORPORATION	Lease: T. L. Rhodes "C"		Well No.: 1

Unit: G	Sec.: 30	Twp.: 28N	Range: 11W	Purchaser: El Paso Natural Gas Co. (When connt'd)	
Casing: 4.500	Wt.: 10.5 / 11.6	I.D.: 4.052 / 4.000	Set at: 6461	Perf.: 6303-08 / 6275-84	To: 6353-73
Tubing: 2.375	Wt.: 4.7	I.D.: 1.995	Set at: 6294	Perf.: 6256	To: 6262

Gas Pay:	From: 6275	To: 6373	L: 6324	G: .700	GL: 4427	Bar. Press.: 12

Producing Through:	Casing:	Tubing: X	Type Well — Single — Braden head — G.G. or G.O. Dual: Single
Date of Completion: 7-21-66	Packer: None	Reservoir Temp.:	

OBSERVED DATA

Tested Through: Prover [ ] Choke [X] Meter [ ]

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.	
SI	8 days					1994		1994		
1.	2 inch	.750	615			615	60° est.	1252	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		627	1.0000	.9258	1.082	7,767
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
F_c _____ $(1-e^{-S})$ _____

Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 2006 P_c^2 4,024,036

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.						1,597,696	2,426,340		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 11,351 MCFPD; n .75

COMPANY PAN AMERICAN PETROLEUM CORPORATION WITNESSED None

ADDRESS Box 480, Farmington, New Mexico COMPANY

Orginal Signed by
G. W. EATON, JR.

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

RECEIVED
AUG 22 1966
OIL CON. COM.
DIST. 3