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: 2-22-65
Company: PAN AMERICAN PETROLEUM CORP.	Lease: Booth Gas Unit "B"		Well No.: 1
Unit: F	Sec.: 8	Twp.: 29N	Range: 9W
Purchaser:			
Casing: 4-1/2	Wt.: 10.5	I.D.: 4.052	Set at: 6704
Perf.: 6561-66 6533-41	To: 6614-36/6632-44		
Tubing: 2-3/8	Wt.: 4.7	I.D.: 1.995	Set at: 6507
Perf.: 6471	To: 6477		
Gas Pay: From: 6533	To: 6644	L: 6589	G: .700
GL: 4612	Bar. Press.: 12		
Producing Through: Casing:	Tubing: X	Type Well — Single — Braden head — G.G. or G.O. Dual: Single	
Date of Completion: 2-15-65	Packer: None	Reservoir Temp.:	

OBSERVED DATA

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

No.	FLOW DATA (Line) Size	(Choke) Size	Press. psig.	Diff. h_w	Temp. °F.	TUBING DATA Press. psig.	Temp. °F.	CASING DATA Press. psig.	Temp. °F.	DURATION OF FLOW HR.
SI	7 Days					2118		2118		
1.	2 Inch	.750	314			314	60°	737	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.	12.3650		326	1.000	.9258	1.030	3878
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 2130 P_c^2 4,536,900

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.						561,001	3,975,899		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 4281 MCFPD; n .75

COMPANY: PAN AMERICAN PETROLEUM CORPORATION WITNESSED: _____

ADDRESS: Box 1660, Farmington, New Mexico COMPANY: _____

AGENT AND TITLE: F. L. Nabors, District Engineer By: ORIGINAL SIGNED BY F. W. Foell

RECEIVED
FEB 25 1965
OIL CON. COM.
DIST. 3