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: 3-1-66
Company: PAN AMERICAN PETROLEUM CORPORATION	Lease: Gallegos Canyon Unit		Well No.: 219
Unit: A	Sec.: 23	Twp.: 28N	Range: 12W
Purchaser:			
Casing: 4.500	Wt.: 10.5	I.D.: 4.052	Set at: 6338
Perf.: 6204-13	To: 6288-6308		
Tubing: 2.375	Wt.: 4.7	I.D.: 1.995	Set at: 6222
Perf.: 6185	To: 6191		
Gas Pay: From 6204	To 6308	L 6256	G .700
GL 4379	Bar. Press. 12		
Producing Through:	Casing	Tubing: X	Type Well – Single – Braden head – G.G. or G.O. Dual: Single
Date of Completion: 2-21-66	Packer: None	Reservoir Temp.:	

OBSERVED DATA

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

No.	(Prover Line) Size	(Choke) Size	FLOW DATA Press. psig.	Diff. h_w	Temp. °F.	TUBING DATA Press. psig.	Temp. °F.	CASING DATA Press. psig.	Temp. °F.	DURATION OF FLOW HR.
SI	8 days					2058		2058		
1.	2 inch	.750	703			703	60°	1402	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		715	1.0000	.9258	1.096	8971
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 2070 P_c^2 4,284,900

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.						1,999,396	2,285,504		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 14,372 MCFPD; n .75

COMPANY PAN AMERICAN PETROLEUM CORPORATION WITNESSED _____

ADDRESS Box 480, Farmington, New Mexico COMPANY _____

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

RECEIVED
MAR 10 1966
OIL CON. COM.
DIST. 3