

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
DEC 4 1968
OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11-26-68			
Company PAN AMERICAN PETROLEUM CORP.				Connection None			
Pool basin				Formation Dakota		Unit	
Completion Date 11-18-68		Total Depth 7300'		Plug Back TD 7130'		Elevation / RDB GL 6506/6519	
Farm or Lease Name Jicarilla Contract 147							
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7296	Perforations: From 6969 To 7117		Well No. 4	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7038	Perforations: From Open End To		Unit Sec. Twp. Rge. A 5 25 5	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 90° @ TD		Mean Annual Temp. °F Est. 60°		Baro. Press. - P _a 12 PSIA est.	
State New Mexico							
L 7043	H 7043	Gg .700 est.	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 Days					1903		1900	
1.	2 Inch	.750	210			210		601	60° Est. 3 Hrs.
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		222	1.000	.9258	1.026	2607
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _c	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	1915	613	3,667,225	3,667,225	1.0845
2					
3					
4					
5					

NO.	P _t	P _w	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1				2827
2				
3				
4				
5				

Absolute Open Flow 2827 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
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Remarks: _____			
Approved By Commission: _____			
Conducted By: B. D. Dukes		Calculated By: _____	
Checked By: E. R. Hirst		_____	