NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 9-18-70	
Company: PAN AMERICAN PETROLEUM CORP.	Connection			
Pool: Otero	Formation: Chacra			Unit
Completion Date: 9-11-70	Total Depth: 7456	Plug Back TD: 7363	Elevation: / RDB GL 6620/6634	Farm or Lease Name: Jicarilla Contract 146
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 7456	Perforations: From 3786 To 3796			Well No.: 21
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7030	Perforations: From Open End To 7030			Unit: K / Sec.: 3 / Twp.: 25 / Rge.: 5
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G.		Packer Set At: 7030		County: Rio Arriba
Producing Thru: Casing	Reservoir Temp. °F: 90° @ TD	Mean Annual Temp. °F: 60° Est.	Baro. Press. – P_a: 12 PSIA Est.	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
3791	3791	.650						

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 Days							829		
1.	2 Inch	.750	84					84	60° Est.	3 Hr.
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		96	1.000	.9608	1.012	1154
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

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OIL CON. COM.
DIST. 3

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 841 P_c^2 707,281

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	9216	169	28,523	678,758
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0420$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0313$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1190$

Absolute Open Flow 1190 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Pw calculated same as on Form C-122-A - (1 - e^{-s}) = 0.164

OIL CONSERVATION COMMISSION SIGNED BY D. A. WAYHAN

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
OCT 7 1970	B. D. Dukes	J. J. Layton	D. A. Wayhan