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: 6-25-73	
Company: AMOCO PRODUCTION COMPANY			Connection: None		
Pool: Ballard			Formation: Pictured Cliffs		Unit
Completion Date: 6-18-73	Total Depth: 3100'		Plug Back TD: 3047'	Elevation: 7292' KB	Farm or Lease Name: Jicarilla Tribal 390
Csg. Size: 4.500" / Wt.: 9.5# / d: 4.090 / Set At: 3089'			Perforations: From 2919' To 2938'		Well No.: 3
Tbg. Size: 1.660" / Wt.: 2.40# / d: 1.380 / Set At: 2913'			Perforations: From Open To Ended		Unit: A / Sec.: 24 / Twp.: 23N / Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: Sandoval
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F: 60° est.	Baro. Press. – P_a: 12 psia est.		State: New Mexico
L	H	Gg: .65	% CO_2	% N_2	% H_2S / Prover / Meter Run / Taps

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Line Size	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					708		708		
1.	2"	.750				114	60° est	586	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		126	1.000	.9608	1.011	1513
2.							
3.							
4.							
5.							

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

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

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OIL CON. COM.
DIST. 3

P_c 720 P_c^2 518400

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		598	357604	160796
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.224$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.7046$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4092$

Absolute Open Flow 4092 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Original Signed by
J. ARNOLD SNELL

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	J. F. Elledge	J. W. Calvin	P. C. Ellison