NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JUL 31 1972
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 7-28-72	
Company: AMOCO PRODUCTION COMPANY		Connection: None			
Pool: Blanco Pictured Cliffs		Formation: Pictured Cliffs		Unit	
Completion Date: 7-21-72	Total Depth: 2403		Plug Back TD: 2364	Elevation: 5741 GR	Farm or Lease Name: W. D. Heath "A"
Csg. Size: 4.500 / Wt.: 9.5 / d: 4.090 / Set At: 2397			Perforations: From 2268 To 2307		Well No.: 11
Tbg. Size: 1.660 / Wt.: 2.33 / d: 1.380 / Set At: 2282			Perforations: From Open To Ended		Unit: K / Sec.: 9 / Twp.: 29 / Rge.: 9
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: San Juan
Producing Thru: Tbg.	Reservoir Temp. °F: @	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
		.650						

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Line Size	Choke 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					889		889		
1.	2-Inch	.750				157	60° Est.	593		
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		169	1.000	.9608	1.015	2038
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

P_c 901 P_c^2 811,801

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		605	366,025	445,776
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.821$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.664$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3391$

Absolute Open Flow 3391 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	B. D. Dukes	P. C. Ellison	J. Arnold Snell