NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [XX] Initial [ ] Annual [ ] Special				Test Date: 12-13-79	
Company: AMOCO PRODUCTION CO.		Connection: GAS CO OF NEW MEXICO			
Pool: BASIN		Formation: DAKOTA		Unit	
Completion Date: 11-24-79	Total Depth: 7450	Plug Back TD: 7417	Elevation: 6638	Farm or Lease Name: JICARILLA CONTRACT	
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.052 / Set At: 7450		Perforations: From 7041 To 7218		Well No.: 147-3E	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7365		Perforations: From open To ended		Unit: P / Sec.: 6 / Twp.: 25 / Rge.: 5	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE		Packer Set At: NONE		County: RIO ARRIBA	
Producing Thru	Reservoir Temp. °F: θ	Mean Annual Temp. °F	Baro. Press. – P_a	State: NEW MEXICO	
L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps

	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	8 DAYS					1405		1410		3 hrs
1.	2.375	.750				71		420		
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	12.365		83	1.000	.9258	1.009	959
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 _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1422 P_c^2 2022084

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		432	186624	1835460
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1017$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0753$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1031$

RECEIVED
JAN 15 1980
OIL CON. COM.
DIST. 3

Absolute Open Flow 1031 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	JJB	J J BARNETT	B E FACKRELL