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: 06 06 80	
Company: AMOCO PRODUCTION CO.		Connection: EL PASO NATURAL GAS CO.		
Pool: BASIN		Formation: DAKOTA		Unit
Completion Date: 05 23 80	Total Depth: 6081	Plug Back TD: 6054	Elevation: 5360GL	Farm or Lease Name: GALLEGOS CANYON UNIT
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6068		Perforations: From 5834 To 5950		Well No.: 169E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 5954		Perforations: From open To ended		Unit: H / Sec.: 35 / Twp.: 29N / Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE		Packer Set At: NONE		County: SAN JUAN
Producing Thru: TUBING	Reservoir Temp. °F	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

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	7 days					735		833		3 hrs
1.	2.375	.750				94		454		
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		106	1.000	.9258	1.011	1227
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

RECEIVED
JUL 16 1980
OIL CON. COM.
DIST. 3

P_c 845 P_c^2 714025

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		466	217156	496868
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.4371$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.3125$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1610$

Absolute Open Flow 1610 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	JJB	J J BARNETT	R A DOWNEY