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: 07 18 80	
Company: AMOCO PRODUCTION CO.		Connection: EL PASO NATURAL GAS COMPANY			
Pool: BASIN		Formation: DAKOTA		Unit	
Completion Date: 07 07 80	Total Depth: 6110	Plug Back TD: 6060	Elevation: 5397 GL	Farm or Lease Name: GALLEGOS CANYON UNIT	
Csg. Size: 4.500 / Wt.: 10.5 / d: 4052 / Set At: 6110		Perforations: From 5848 To 5962		Well No.: 93E	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6017		Perforations: From open To ended		Unit: L / Sec.: 36 / 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				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	10 days				1005		1162		3 hrs.
1.	2.375 .750				105		426		
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		117	1.000	.9258	1.013	1357
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 _____ XXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXXXXX
Critical Pressure _____ P.S.I.A.
Critical Temperature _____ R

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DIST. 3

P_c 1174 P_c^2 1378276

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		438	191844	1186432
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1617$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{-n} = 1.1190$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^{n} = 1518$

Absolute Open Flow 1518 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