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: 05 29 80	
Company: AMOCO PRODUCTION CO.	Connection: ELPASO NATURAL GAS COMPANY			
Pool: BASIN	Formation: DAKOTA		Unit	
Completion Date: 05 06 80	Total Depth: 6556	Plug Back TD: 6490	Elevation: 5574 GL	Farm or Lease Name: HARE GAS COM D
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 6556	Perforations: From 6274 To 6383			Well No.: 1E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6467	Perforations: From open To ended			Unit: G / Sec.: 14 / Twp.: 29N / Rge.: 11W
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	12 days					1023		1182		3 hrs
1.	2.375	.750				86		475		
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		98	1.000	.9258	1.011	1134
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 1194 P_c^2 1425636

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		487	237169	1188467
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.1996 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1.1462

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 1300

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JUN 13 1980
OIL CON. COM.
DIST. 3

Absolute Open Flow 1300 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