NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [x] Initial [ ] Annual [x] Special			Test Date: 6-4-81	
Company: Amoco Production Company	Connection: El Paso Natural Gas Company			
Pool: Gonzales	Formation: MesaVerde		Unit	
Completion Date: 4-25-81	Total Depth: 5376	Plug Back TD: 5331	Elevation: 6601	Farm or Lease Name: Jicarilla Contract 146
Csg. Size: 5.500 / Wt.: 14.0 / d: 5.012 / Set At: 5376	Perforations: From 5082 To 5244			Well No.: 37
Tbg. Size: 2.063 / Wt.: 3.25 / d: 1.751 / Set At: 5262	Perforations: From Open To Ended			Unit: C / Sec.: 4 / Twp.: 25N / Rge.: 5W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual		Packer Set At: 3925		County: Rio Arriba
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
.		.650						

	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	30 Days					860		–		
1.	2.375	.750				100		–		3 Hrs.
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		112	1.000	.9608	1.010	1344
2.							
3.							
4.							
5.							

NO.	P_r	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

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DIST. 3

P_c 860 P_c^2 739600

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		282	79524	660076
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1205$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0891$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1464$

Absolute Open Flow 1464 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Med. Oil Spray

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	JJB	J.J. Barnett	