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 [x] Special				Test Date: 7-9-81	
Company: Amoco Production Company			Connection: El Paso Natural Gas Company		
Pool: Basin			Formation: Dakota		Unit
Completion Date: 4-4-81	Total Depth: 6512		Plug Back TD: 6470	Elevation: 5469 GL	Farm or Lease Name: Haney Gas Com "B"
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6512			Perforations: From 6340 To 6428		Well No.: 1E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6431			Perforations: From open To ended		Unit: M / Sec.: 20 / Twp.: 29N / Rge.: 10W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: 6378		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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	30 Days					2655		x		
1.	2.375	.750				820		x		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		832	1.000	.9258	1.113	10601
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 XXXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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OIL CON. COM.
DIST. 3

P_c 2667 P_c^2 7112889

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		1861	3463321	3649568
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9490$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.6495$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 17,486$

Absolute Open Flow 17486 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Flowed med oil

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