NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JAN 3 1982
OIL CON. COM.
DIST. 3

Type Test: [x] Initial [ ] Annual [x] Special				Test Date: 12-29-81
Company: Amoco Production Company			Connection: El Paso Natural Gas Company	
Pool: Basin			Formation: Dakota	Unit:
Completion Date: 11-24-81	Total Depth: 6475		Plug Back TD: 6435	Elevation: 5602
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 6475			Perforations: From 6206 To 6316	Farm or Lease Name: Abrams Gas Com "E" / Well No.: 1E
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 6291			Perforations: From open To ended	Unit: M / Sec.: 30 / Twp.: 29N / Rge.: 10W
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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	12 Days					927		927		
1.	2.375	.750				57		395		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	69	1.000	.9258	1.008	796
2.						
3.						
4.						
5.						

NO.	P_t	Temp. °R	T_t	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

P_c 937 P_c^2 877969

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		407	165649	712320
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2325$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1698$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 931$

Absolute Open Flow 931 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

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