NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT A... ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

File 122 V

RECEIVED
OCT 12 1979
O. C. C.
ARTESIA, OFFICE

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 9/19/79	
Company: AMOCO PRODUCTION COMPANY	Connection: EL PASO NATURAL GAS COMP			Unit
Pool: UNDESIGNATED Tapa	Formation: ATOKA			
Completion Date: 6/21/79	Total Depth: 13324.	Plug Back TD: 13284.	Elevation: 2954.	Farm or Lease Name: TELEDYNE 18
Csg. Size: 5.000 / Wt.: 17.9 / d: 4.276 / Set At: 13324.		Perforations: From 11862. To 11866.		Well No.: 1
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 11662.		Perforations: From 11874. To 11880.		Unit: J / Sec.: 18 / Twp.: 23S / Rge.: 29E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE		Packer Set At: 11001.		County: EDDY
Producing Thru: TUBING	Reservoir Temp. °F: 204.@ 11871.	Mean Annual Temp. °F: 60.0	Baro. Press. – P_a: 13.2	State: NEW MEXICO

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
11871.	11871.	0.578	0.40	0.48	0.02	0.	4.0	FLANGE

	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					4309.	68.			45.0
1.	4.03 x 0.625	780.	36.0	8P.	3505.	74.	0.	0.	1.0
2.	4.03 x 0.625	785.	29.2	75.	2980.	78.	0.	0.	1.0
3.	4.03 x 0.625	790.	47.6	76.	2450.	78.	0.	0.	1.0
4.	4.03 x 0.625	790.	64.0	78.	1831.	78.	0.	0.	1.0
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	1.85	168.98	793.2	0.9813	1.3153	1.0553	425.
2.	1.85	152.56	798.2	0.9859	1.3153	1.0578	386.
3.	1.85	195.55	803.2	0.9850	1.3153	1.0577	494.
4.	1.85	226.73	803.2	0.9831	1.3153	1.0569	572.
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	1.18	540.	1.54	0.898
2.	1.18	535.	1.53	0.894
3.	1.19	536.	1.53	0.894
4.	1.19	538.	1.54	0.895
5.				

Gas Liquid Hydrocarbon Ratio 0. Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 0. Deg.
Specific Gravity Separator Gas 0.578 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX 0.578
Critical Prossure 675. P.S.I.A. 675. P.S.I.A.
Critical Temperature 350. R 350. R

P_c 4314.8 P_c^2 18617.

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	2378.	3503.	12274.	6344.
2	8959.	2974.	8847.	9771.
3	6067.	2447.	5986.	12631.
4	3401.	1832.	3358.	15260.
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2200$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.1051$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 632.$

Absolute Open Flow 632. Mcfd @ 15.025 Angle of Slope θ 63.3 Slope, n 0.503

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	John West Engrg.	C.C. Weaver	W.D. Magness

3 - NMOCD - A 1 - Hou 1 - Susp 1 - WDM 1 - DLB