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DEC 18 1978

O. C. C.
ARTESIA, OFFICE

Type Test: ☒ Initial ☐ Annual ☐ Special	Test Date: 11-29-78			
Company: Amoco Production Company	Connection: El Paso Natural Gas Company			
Pool: Wildcat	Formation: Morrow			Unit
Completion Date: 9-12-78	Total Depth: 13,352	Plug Back TD: 13,310	Elevation: 2,990	Farm or Lease Name: Teledyne 17
Csg. Size: 5 / Wt.: [illegible]	d: 4.276 / Set At: 13,352	Perforations: From 12,534 To 12,552		Well No.: 1
Tbg. Size: 2.375 / Wt.: 4.7	d: 1.995 / Set At: 12,453	Perforations: From 0 To 0		Unit: N / Sec.: 17 / Twp.: 23S / Rge.: 29E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 11,159		County: Eddy
Producing Thru: Tubing	Reservoir Temp. °F: 174@12,543	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2	State: New Mexico

L	h	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
12,543	12,543	0.577	0.56	0.89	0	0	4.0	Flange

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					1320	49			45.0
1.	4.03 X 2.000	549	4.0	70	972	53	0	0	1.0
2.	4.03 X 2.000	549	6.2	82	831	61	0	0	1.0
3.	4.03 X 2.000	549	10.0	89	695	61	0	0	1.0
4.	4.03 X 2.000	563	13.0	87	600	60	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.	19.81	47.42	562.2	0.9905	1.3165	1.0415	1276
2.	19.81	59.28	562.2	0.9795	1.3165	1.0379	1572
3.	19.81	74.98	562.2	0.9732	1.3165	1.0359	1972
4.	19.81	86.55	576.2	0.9750	1.3165	1.0374	2283
5.							

NO.	P_t	Temp. °R	T_t	Z
1.	0.83	530	1.52	0.922
2.	0.83	542	1.56	0.928
3.	0.83	549	1.58	0.932
4.	0.85	547	1.57	0.929
5				

Gas Liquid Hydrocarbon Ratio: 0 Mcf/Bbl.
A.P.I. Gravity of Liquid Hydrocarbons: 0 Deg.
Specific Gravity Separator Gas: 0.577 XXXXXXXXXX / 0.577
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 675 P.S.I.A. / 675 P.S.I.A.
Critical Temperature: 348 R / 348 R

P_c 1341.2 P_c^2 1799

NO	P_t^2	P_w^2	$P_c^2 - P_w^2$
1	971	993	986	813
2	713	852	725	1073
3	502	723	523	1276
4	376	637	406	1393
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2911$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2911$

AOF = $Q\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2948$

Absolute Open Flow: 2948 Mcfd @ 15.025 | Angle of Slope θ: 45.0 | Slope, n: 1.000

Remarks:

Approved By Commission	Conducted By: John West Engineering	Calculated By: CCW	Checked By: RMB