

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

Form C-122
Revised 9-1-65

See Correction

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3/2/81	
Company American Trading & Production Corporation				Connection	
Pool Wildcat				Formation Strawn	
Completion Date 3-2-81		Total Depth 19,600		Plug Back TD 14,925	
Elevation 3047.4		Farm or Lease Name Talco Unit			
Csg. Size 20	Wd 94-68.72	Set At 505	Perforations: From 13,899 To 96		Well No. 1
13 3/8 9 5/8	47-43.5	5136 12615			
Tbg. Size 1 1/2-2 7/8	Wt. 12.95	Set At 13,882	Perforations: From 13,988 To 14,000		Unit H
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G.			Packer Set At 13,882		County Lea
Producing Thru Tubing		Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _g	State New Mexico
L 13945	H 13945	G _g .593	% CO ₂ .44	% N ₂ .58	% H ₂ S
Prover		Meter Run 4.026	Taps flange		

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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
SI							6805	49			26
1.	4.026 x 1.750			300	10	77	6550	57			1
2.	4.026 x 1.750			450	24	79	6195	59			1
3.	4.026 x 1.750			600	42	80	5615	62			1
4.	4.026 x 1.750			900	57	79	4450	65			1.5
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	14.93	55.96	313.2	.9840	1.2987	1.0236	1093
2	14.93	105.44	463.2	.9822	1.2987	1.0343	2076
3	14.93	160.48	613.2	.9813	1.2987	1.0451	3190
4	14.93	228.15	913.2	.9822	1.2987	1.0674	4637
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	.46	537	1.52	.954	229.1	50.1	.593	X X X X X X X X	674	354
2	.69	539	1.52	.935				X X X X X	673	358
3	.91	540	1.53	.916						
4	1.36	539	1.52	.878						
5										

P _c 6839.1 P _c ² 46774		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8107$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5329$	
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1	43076	6579	43284	3490	
2	38542	6236	38890	7884	
3	31677	5681	32279	14495	
4	19920	4576	20942	25832	
5					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7250$

Absolute Open Flow **7250** Mcfd @ 15.025 Angle of Slope **53.5** Slope, n **.740**

Remarks:

Approved By: Commission	Conducted By:	Calculated By:	Checked By:
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Company Atapco
 Well Talco Ur # 1
 Location _____
 County Lea
 Date 3/2/81

