NEW XICO OIL CONSERVATION COMMSSIC

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FC R GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 3/11-12/68	
Company: American Trading & Production Corp.		Connection: None			
Pool: Wildcat		Formation: Wolfcamp			Unit
Completion Date: 3/12/68	Total Depth: 14,644		Plug Back TD: 14,644	Elevation: 3679 GL	Farm or Lease Name: New Mexico "26" State, Southeast Lea Unit
Csg. Size: 7 / Wt.: 32 / d: 6.094 / Set At: 12,090			Perforations: From 11,400 To 11,470		Well No.: 1
Tbg. Size: 2 3/8 / Wt.: 4.7 / d: 1.995 / Set At: 11,342			Perforations: From open ended To		Unit: J / Sec.: 26 / Twp.: 20S / Rge.: 35E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: GO Dual			Packer Set At: 11,336		County: Lea
Producing Thru: Tubing	Reservoir Temp. °F: 140° 12,000	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
11342	11342	.665	0.2	1.38	0		X	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					4385		Choke		24
1.	4.026 x 2.00	705	4.0	84	4292		9/64		2
2.	4.026 x 2.00	660	11.8	84	4163		13/64		2
3.	4.026 x 2.00	930	19.5	85	3853		17/64		3
4.	4.026 x 2.00	900	43.0	88	3400		20/64		2
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	53.60	718.2	.9777	1.226	1.066	1357
2.	19.81	89.13	673.2	.9777	1.226	1.062	2248
3.	19.81	135.6	943.2	.9768	1.226	1.088	3500
4.	19.81	198.2	913.2	.9741	1.226	1.082	5074
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	1.07	544	1.44	.880
2.	1.01	544	1.44	.886
3.	1.41	545	1.44	.845
4.	1.36	548	1.45	.854
5.				

Gas Liquid Hydrocarbon Ratio 4.112 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 55.5 Deg.
Specific Gravity Separator Gas .665 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 670 P.S.I.A. ____ P.S.I.A.
Critical Temperature 378 R ____ R

P_c 6788.2# P_c^2 46079.7

NO	P_t^2	P_w #	P_w^2	$P_c^2 - P_w^2$
1		6714.2	45080	1000
2		6634.2	44013	2067
3		6450.2	41605	4475
4		6173.2	38108	7972
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2}$ = 5.780 (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 3.066

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n$ = 15,557

Absolute Open Flow 15,557 Mcfd @ 15.025 | Angle of Slope θ 57° | Slope, n .639

Remarks: *From BHP bomb set at 11,300

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	H. L. Smith	Wanda Kelley	