NEW XICO OIL CONSERVATION COMMSSIC

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annucl [ ] Special				Test Date: 12-27-71	
Company: French Oil Company		Connection: None			
Pool: Wildcat - So. Corbin Area		Formation: Arrow		Unit	
Completion Date	Total Depth: 14,664	Plug Back TD: Not plug back		Elevation: 3751 GL	Farm or Lease Name: Uncle Sam
Csg. Size: 4 1/2 / Wt. / d / Set At		Perforations: From 13,104 To 13,406			Well No.: 1
Tbg. Size: 2 3/8 / Wt. / d / Set At		Perforations: From To			Unit: J Sec. 25 Twp. T-16-S Rge. R 32E
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: 13,070 - 13,365		County: Lea
Producing Thru: 2 3/8 tbg.	Reservoir Temp. °F: 185 @ 13,000	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
13,255 MP	13,255	.630	.30	.68	0		4"	--

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							4631				
1.	4		2	510	24	90	3334	75	Packer	--	60 min.
2.	4		2	515	40	87	2827	74		--	"
3.	4		2	520	55	84	2392	73		--	"
4.	4		2	515	67	81	2019	72		--	"
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	112.1	523.2	.9723	1.260	1.040	2,829
2	19.81	145.35	528.2	.9750	1.260	1.042	3,686
3	19.81	171.25	533.2	.9777	1.260	1.046	4,373
4	19.81	190.9	528.2	.9804	1.260	1.043	4,874
5							

NO.	P_r	Temp. °R	T_r	Z
1				
2				
3				
4				
5				

Gas Liquid Hydrocarbon Ratio 34 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 60 Deg.
Specific Gravity Separator Gas .630 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 671 P.S.I.A. -- P.S.I.A.
Critical Temperature 366 R -- R

P_c 6397.2 P_c^2 40,922

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		4973.2	24731	16191
2		4386.2	19237	21685
3		3875.2	15016	25906
4		3439.2	11827	29095
5				

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

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

Absolute Open Flow 6,700 Mcfd @ 15.025 Angle of Slope θ 47 Slope, n .724

Remarks: * Bottom hole pressures were taken w/an Amerada RPG-3 element.

Approved By Commission:	Conducted By:	Calculated By:	Checked By: