

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4/10/90	
Company Oryx Energy Company		Connection 4-13-90 Enron Trading & Transportation Co.	
Pool Antelope Ridge-Atoka Gas		Formation Atoka	
Completion Date 2-12-90		Total Depth 13,650'	Plug Back TD 13,595'
		Elevation 3415' GR	Farm or Lease Name Ojo Chisos Fed
Csg. Size 42Liner	Wt. 13.5	d 3.920	Set At 11500
2-7/8	6.5	2.441	11500
2-3/8	4.7	1.995	11500-12080
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 12080	Well No. 2
Producing Thru Tubing		Reservoir Temp. °F 196@ 12236	Mean Annual Temp. °F 60
		Baro. Press. - P _a 13.2	State New Mexico
L 12236	H 12236	G _g 0.6826	% CO ₂ 0.23
		% N ₂ 1.23	% H ₂ S 0.0
Prover x		Meter Run 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
1.	4.026	1.25	85	11	58	5020	62				72
2.	4.026	1.25	85	37	81	4590	62				1
3.	4.026	1.25	185	59	100	3342	65				1
4.	4.026	1.25	185	70	86	3275	69				1
5.						2585	72				1

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	7.47	32.87	98.2	1.0019	1.2104	1.0107	301
2.	7.47	60.28	98.2	0.9804	1.2104	1.0092	539
3.	7.47	108.14	198.2	0.9636	1.2104	1.0169	958
4.	7.47	117.79	198.2	0.9759	1.2104	1.0185	1058
5.							

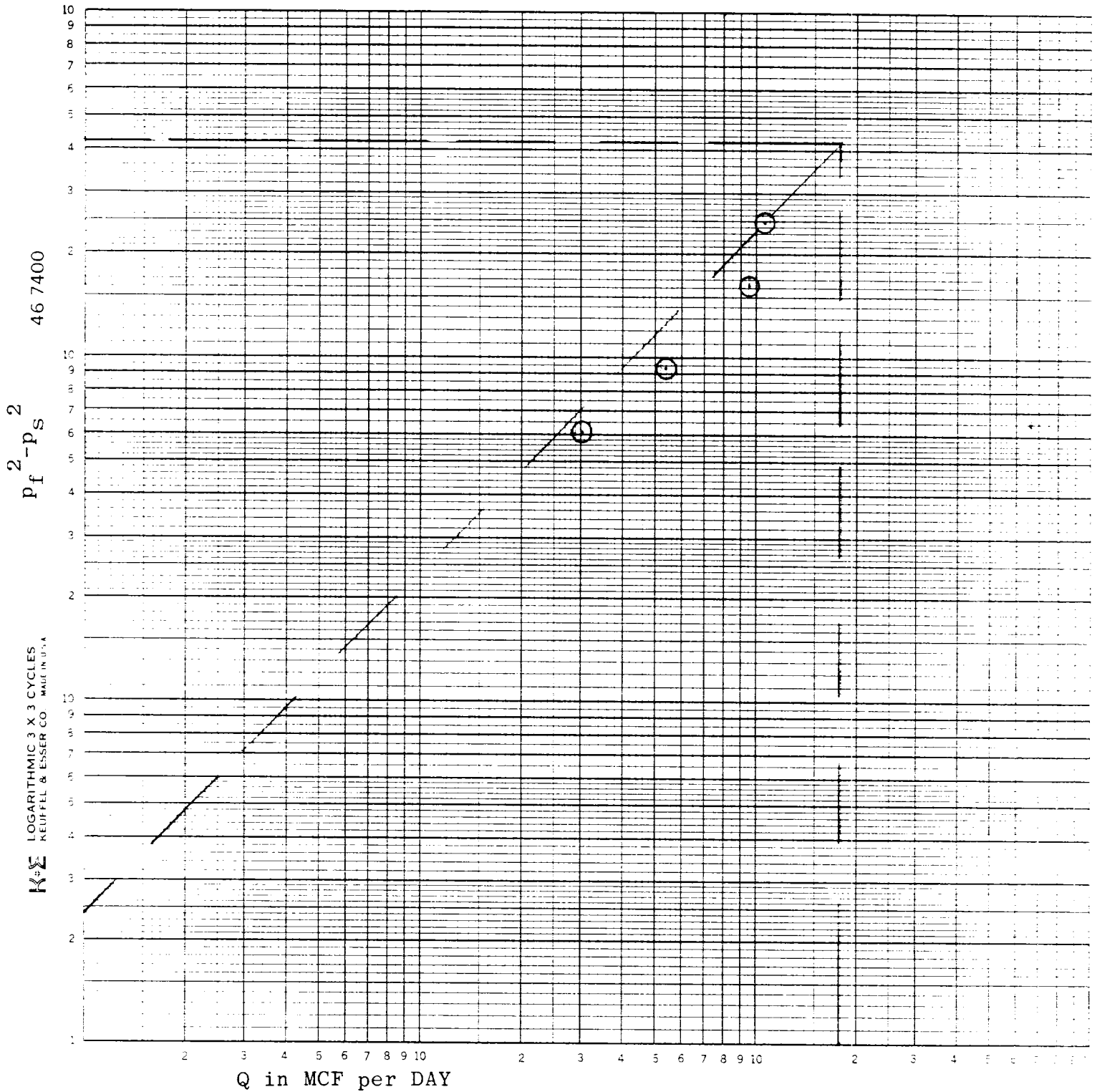
NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 7.438 Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons 48.2 Deg.
2.					Specific Gravity Separator Gas 0.683
3.					Specific Gravity Flowing Fluid X X X X X 1.015
4.					Critical Pressure 667 P.S.I.A. 651 P.S.I.A.
5.					Critical Temperature 381 R 485 R

P _c 65097	P _c 4236					
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.70$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.		6024	36289	6079		
2.		5742	32971	9397		
3.		5122	26235	16132		
4.		4177	17447	24920		
5.						

Absolute Open Flow 1799 Mcfd @ 15.025		Angle of Slope e 45.0	Slope, n 1.0
Remarks: APR 30 1990			
Approved by Commission: ORIGINAL SIGNED BY JERRY SEXTON	Conducted By: WELL TESTING M.C.S.	Calculated By: <i>[Signature]</i>	Checked By:

GAS WELL
BACK PRESSURE CURVE

County Lea Lease 2
 Lease Ojo Chisos FedWell
 Operator Oryx
 Volume 1799 MCF/24HR.
 Date 4/10/90



$\epsilon = 45$

$N = 1.0$

$Q = 1799$

RECEIVED

APR 27 1990

OCD
HOBBS OFFICE