Submit in duplicate to appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

JAN 10 9 02 AM '95

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: Plains Petroleum Operating Company						Lease or Unit Name: Bluitt 19 Federal			
Type Test: ☒ Initial ☐ Annual ☐ Special						Test Date: 12/30/94		Well No.: 2	
Completion Date		Total Depth: 4775'		Plug Back TD: 4714'		Elevation: 4005' GL		Unit Ltr. - Sec. - TWP - Rge.: B 19 8S 38E	
Csg. Size: 5-1/2"	Wt.: 14#	d	Set At: 4775'	Perforations: From: 4612	To: 4640			County: Roosevelt	
Tbg. Size: 2 7/8	Wt.: 4.7#	d	Set At: 4500	Perforations: From:	To:			Pool: Bluitt San Andres Assoc.	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Bradenhead				Packer Set At: 4580'				Formation: San Andres	
Producing Thru: Tubing	Reservoir Temp. °F: 114	Mean Annual Temp. °F: 60		Baro. Press - P_a: 13.2				Connection	
L: 4612	H: 4612	Gg: 0.7364	% CO_2	% N_2	% H_2S: 0.05	Prover: Pos. Choke		Meter Run	Taps

	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			730		50	730	50			72
1.		8/64	648		60	648	60			1
2.		10/64	555		60	555	60			1
3.		12/64	488		61	488	61			1
4.		13/64	450		62	450	62			1
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, F pv.	Rate of Flow Q, Mcfd
1.	0.2618		661.2	1.0000	1.165	1.093	220
2.	0.4173		568.2	1.0000	1.165	1.078	298
3.	0.6101		501.2	0.9990	1.165	1.067	380
4.	0.7208		463.2	0.9981	1.165	1.061	412
5.							

NO.	P_r	Temp. °R	T_r	Z
1.	0.990	520	1.297	0.837
2.	0.851	520	1.297	0.861
3.	0.750	521	1.299	0.879
4.	0.693	522	1.302	0.889
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas 0.7364 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 618 P.S.I.A. _____ P.S.I.A.
Critical Temperature 401 R _____ R

P_c 734.0 P_c^2 538.8

NO.	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1.		673.6	453.8	85.0
2.		582.9	339.8	199.0
3.		503.8	253.8	285.0
4.		450.2	202.7	336.1
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.603$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.392$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 574$

Absolute Open Flow 574 Mcfd @ 15.025 | Angle of Slope θ 55 deg | Slope, n 0.701

Remarks: Pressure calculations based on BHP instrument data.

Approved By Division	Conducted By:	Calculated By:	Checked By:
ORIGINAL SIGNED BY JERRY SEXTON	Subsurface Well Testing	John McDermett	

DISTRICT SUPERVISOR
MAY 05 1995

Petroleum
Pluitt San Andres Unit 1902
-30-1994
Multi point Backpressure Curve
AOF = 574 MCFD

JAN 10 9 02 AM '95

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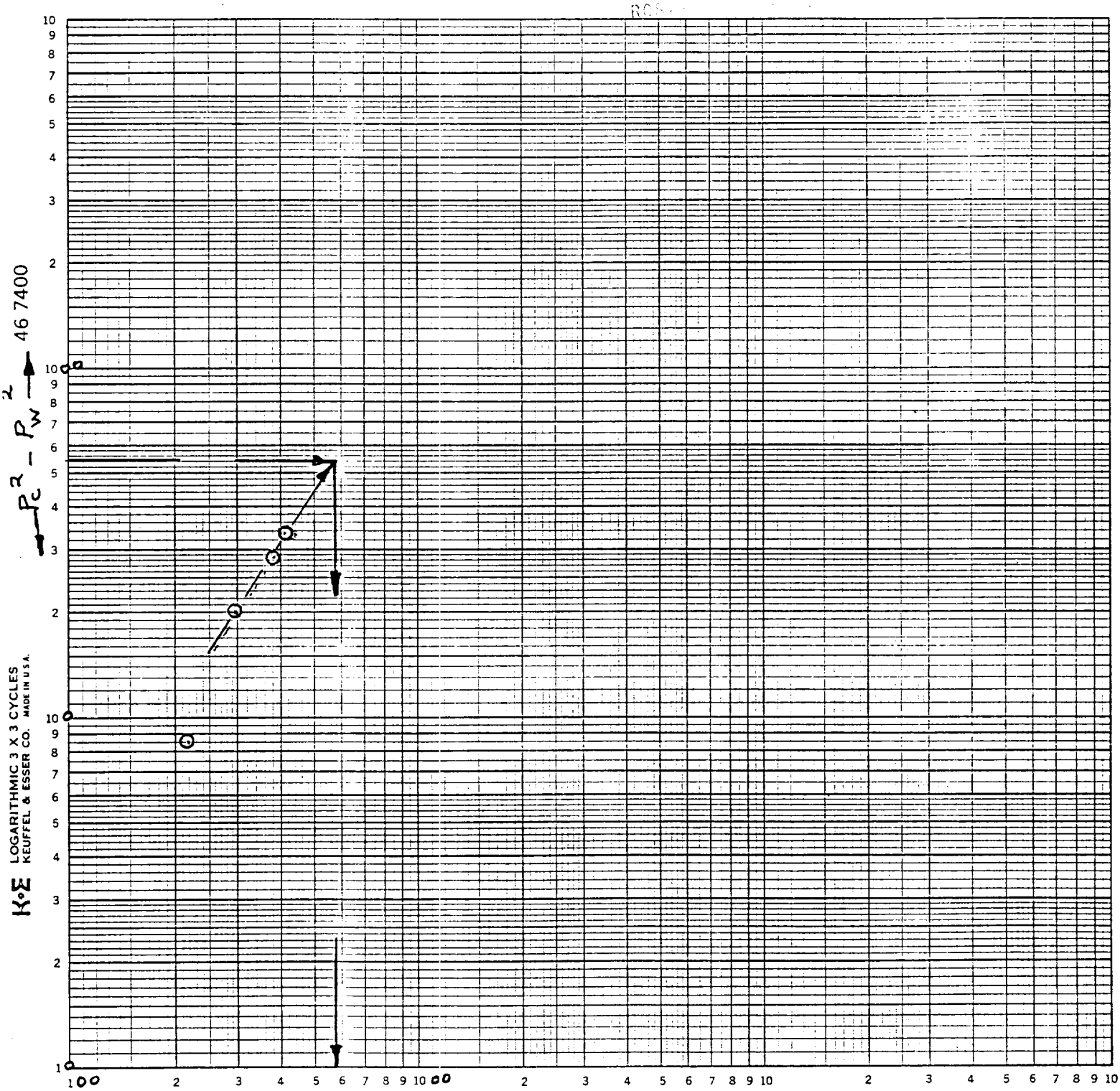

$n = \log \frac{906}{180} = 0.701$

$\theta = 55°$