

OIL CONSERVATION DIVISION

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator Plains Petroleum Operating Company						Lease or Unit Name Bluitt 18 Federal						
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4-27-94			Well No. 5			
Completion Date 4-18-94			Total Depth CIBP @ 4685			Plug Back TD 4671PB			Elevation 4004.5			
Csg. Size 5 1/2		Wt. 14		d d		Set At 4474		Perforations: From: 4580 To: 4631			Unit Ltr. - Sec. - TWP - Rge. E-18-8S-38E	
Tbg. Size 2 3/8		Wt. 4.7		d d		Set At d		Perforations: From: To:			County Roosevelt	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At 4446			Formation San Andres P-1			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press - P _a			Connection Bluitt San Andres Assoc.			
L 4474		H 4474		Gg 0.7364		% CO ₂		% N ₂		% H ₂ S 0.05		
Prover Pos Ck		Meter Run		Taps								

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	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			1272		58°	1272	58°			
1.	Pos Ck	8/64	1258		60°	1258	60°			1
2.		10/64	1172		62°	1172	62°			1
3.		12/64	1115		65°	1115	65°			1
4.		16/64	965		68°	965	68°			1
5.										

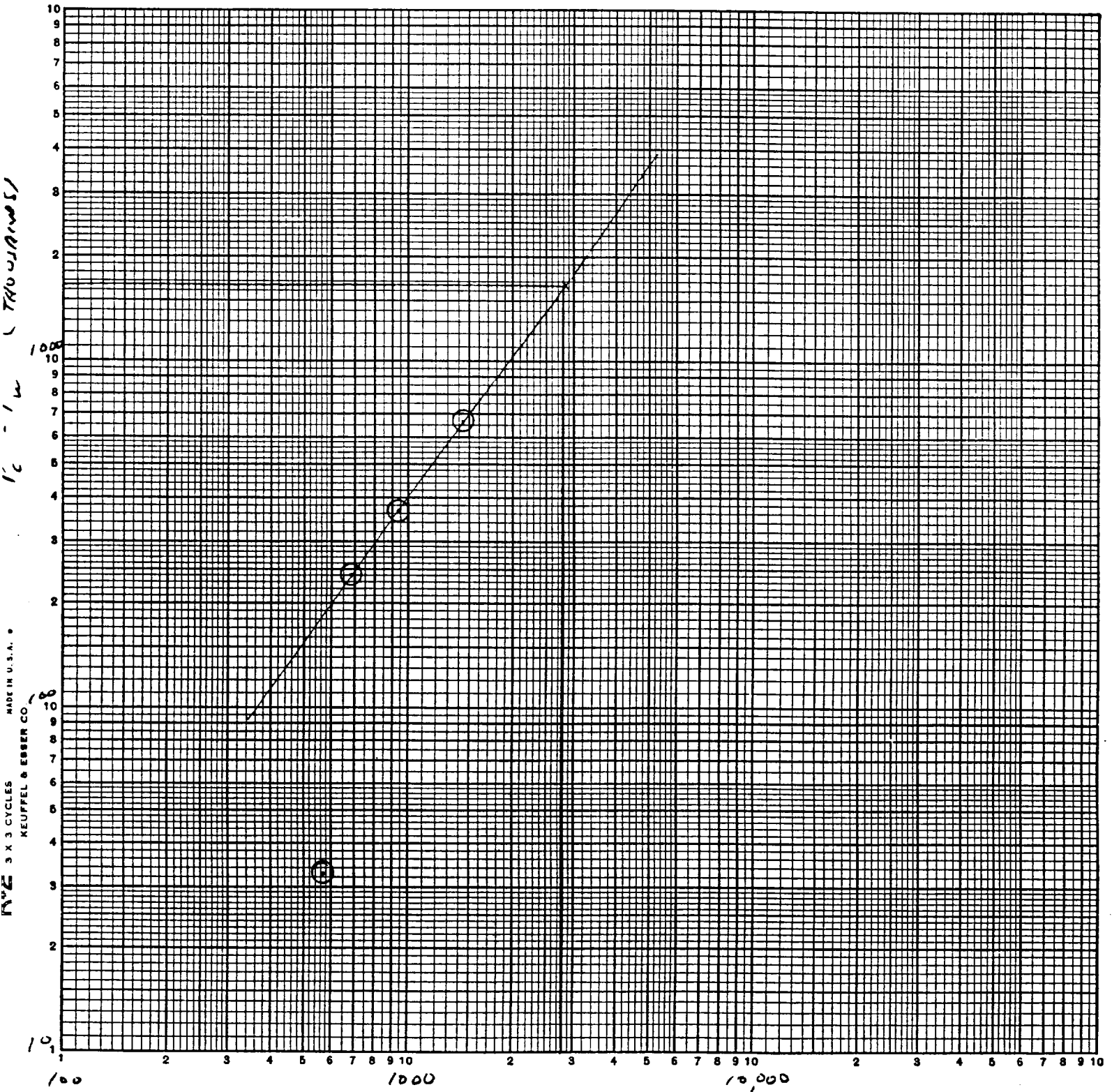
RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg.	Super Compress. Factor, F _{pv} .	Rate of Flow Q, Mcfd
1.	.2618		1271.2	1.000	1.165	1.202	466.0
2.	.4173		1185.2	.9981	1.165	1.183	680.3
3.	.6101		1128.2	.9952	1.165	1.168	932.1
4.	1.112		978.2	.9924	1.165	1.138	1431.2
5.							

NO.	P _r	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.	1.903	520	1.297	0.692			0.7364	XXXXXX	668	401
2.	1.774	522	1.302	0.715						
3.	1.689	525	1.309	0.733						
4.	1.464	528	1.317	0.772						
5.										

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.492$	2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.944$
1.	1615.9		1619.0	32.7		
2.	1404.7		1411.5	240.2		
3.	1272.8		1285.7	366.0		
4.	956.9		988.8	662.9		
5.						

Absolute Open Flow 2782 Mcfd @ 15.025		Angle of Slope θ 53.9		Slope, n 0.728	
Remarks:					

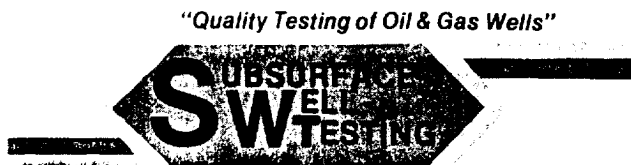
Approved By Division	Conducted By:	Calculated By:	Checked By:
	Subsurface Well Test.	John McDermitt	



Q (MCFD)

$n = 0.728$

P. O. BOX 5254
MIDLAND, TEXAS 79704



PHONE
915/682-7580

STATIC-FLOWING — B. H. PRESSURES

COMPANY Plains Petroleum Oper. Well & No. Bluitt San Andres Unit #1805

FIELD Bluitt Federal Date 04/28/94 Instrument No. _____

DATE	STATUS	SERVICE TIME	ELAPSED TIME		D W T	BHP PSIG @
			HRS.	MIN.	TP	

04/28/94	Well Static	09:50				1272	
	Opened on a 8/64" ck.	10:45	00:00			1272	
	1st rate cont.	11:00	00:15			1260	
	1st rate cont.	11:15	00:30			1259	
	1st rate cont.	11:30	00:45			1258	
	1st rate ended	11:45	01:00			1258	
	Opened on an 10/64" ck.	11:45	00:00			1258	
	2nd rate cont.	12:00	00:15			1225	
	2nd rate cont.	12:15	00:30			1215	
	2nd rate cont.	12:30	00:45			1188	
	2nd rate ended	12:45	01:00			1172	
	Opened on a 12/64" ck.	12:45	00:00			1172	
	3rd rate cont.	13:00	00:15			1131	
	3rd rate cont.	13:15	00:30			1105	
	3rd rate cont.	13:30	00:45			1120	
	3rd rate ended	13:45	01:00			1115	
	Opened on a 16/64" ck.	13:45	00:00			1115	
	4th rate cont.	14:00	00:15			1048	
	4th rate cont.	14:15	00:30			1021	
	4th rate cont.	14:30	00:45			982	
	4th rate cont.	14:45	01:00			965	
	4th rate cont.	13:15	02:00			758	1223
	4th rate cont.	14:15	03:00			798	1253
	4th rate cont.	15:15	04:00			762	1237
	4th rate ended	16:30	05:15			748	1041

THE ABOVE PRESSURES ARE PSIG.