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appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources

Form C-122
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505



MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator BTA OIL PRODUCERS					Lease or Unit Name Indian 141, 9201 JV-P				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5/30/03				
Completion Date 12/14/02		Total Depth 9000'		Plug Back TD 8950'		Elevation 4135' GL		Unit Ltr. - Sec. - TWP - Rge. Lot 2 5-T22S-R23E	
Csg. Size 7" 5"	Wt. 29# 18#	d 2.441	Set At 7990 9000	Perforations: From: 8840 To: 8866		County Eddy			
Thg. Size 2-7/8	Wt. 6.5#	d 2.441	Set At 8526	Perforations: From: To:		Pool 97181 Loafer Draw, SE (Morrow)			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 7162		Formation Morrow		
Producing Thru Tubing		Reservoir Temp. °F 158° F		Mean Annual Temp. °F 60° F		Baro. Press - P _a 13.2		Connection ChevronTexaco P.L.	
L 8526	H 8526	G _g .606	%CO ₂ 2.31	%N ₂ 0.89	%H ₂ S 0	Prover		Meter Run - Taps 3.068 Flange	

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.	
SI						2692	100°	Pkr	-
1.	3.068 X	1.750	55	2.5	100°	2489	100°	"	-
2.	3.068 X	1.750	68	12	95°	2169	98°	"	-
3.	3.068 X	1.750	77	18.2	88°	1630	95°	"	-
4.	3.068 X	1.750	88	25	86°	1292	90°	"	-
5.									

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.	15.61	13.06	68.2	0.9636	1.285	1.0026	253
2.	15.61	31.22	81.2	0.9680	1.285	1.0033	608
3.	15.61	40.52	90.2	0.9741	1.285	1.0040	795
4.	15.61	50.30	101.2	0.9759	1.285	1.0047	989
5.							

No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	0.1006	560	1.573	.9948	A. P. I. Gravity of Liquid Hydrocarbons	Deg.
2.	0.1198	555	1.559	.9934	Specific Gravity Separator Gas	.606 XXXXXXXXXX
3.	0.1330	548	1.539	.9920	Specific Gravity Flowing Fluid	XXXXXX
4.	0.1493	546	1.534	.9907	Critical Pressure	678 P.S.I.A. P.S.I.A.
5.					Critical Temperature	356 R. R.

No.	P _r ²	P _s ²	P _s ²	P _r ² - P _s ²
1.	3338	11142		
1.		3231	10439	703
2.		3030	9181	1961
3.		2800	7840	3302
4.		2506	6280	4862
5.				

(1) $\frac{P_r^2}{P_r^2 - P_s^2} = 2.29$ (2) $\left[\frac{P_r^2}{P_r^2 - P_s^2} \right]^n = 2.29$

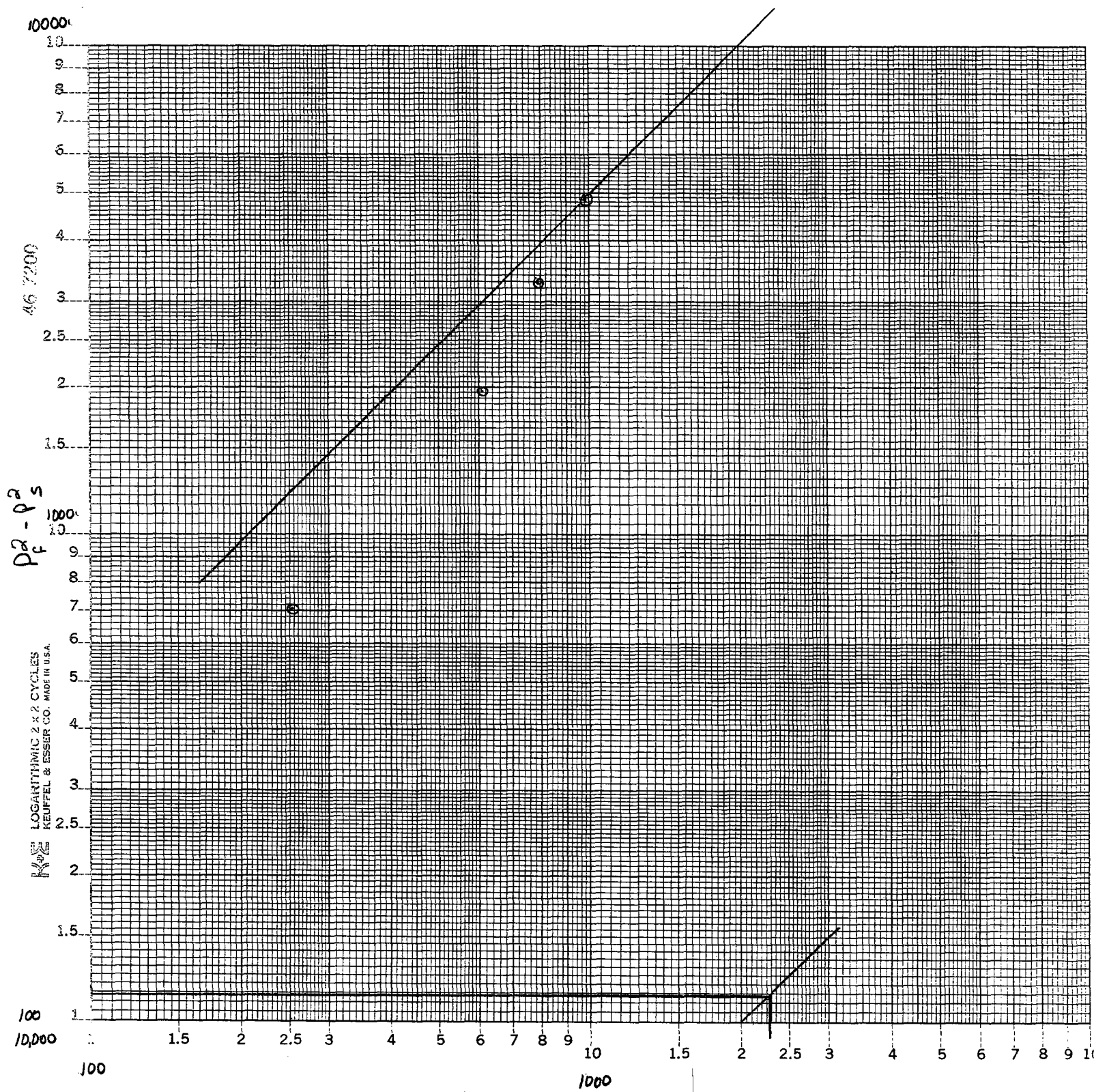
AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_s^2} \right]^n = 2265$

Absolute Open Flow 2265 Mcfd @ 15.025		Angle of Slope θ: 45	Slope, n: 1.000
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Remarks: **Test run w/BHP Bombs in well during test.**

Approved By Division	Conducted By: BTA Oil Producers	Calculated By: T. J. Williams	Checked By
	E-mail Address:	E-mail Address: twilliams@btao	E-mail Address:

9201 JV-P Indian 'A' #1
 B Sec 5 T22S-R23E
 Eddy County, NM



CADF = 2265 MCFD

Rate