

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

Form G-122
Revised 6-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6-19-82	
Company American Trading & Prod. Corp.				Connection None	
Pool Undesignated				Formation Strawn	
Completion Date 6-16-82		Total Depth 14256'		Plug Back To 14202'	
				Elevation 3128' GR	
Csg. Size 5" OD		Wt. 23#/ft.		Set At 14256'	
				Perforations: From 14042' To 14060'	
Tbg. Size 2 7/8"		Wt. 6.5-7.9		Set At 12138'	
				Perforations: From open ended To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At PBR @ 12138'	
Single				County Lea	
Producing Thru Tubing		Reservoir Temp. °F 160 @ 14051		Mean Annual Temp. °F 60	
				Baro. Press. - P _a 13.2	
L 14051		H 14051		G _g .585	
				% CO ₂ .28	
				% N ₂ .45	
				% H ₂ S	
				Prover	
				Meter Run 4.026	
				Taps 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	x	1.750	630	7	52	6410	85			1
2	4.026	x	1.750	650	19	50	5850	85			1
3	4.026	x	1.750	650	36	50	5340	85			1
4	4.026	x	1.750	650	65	50	4700	85			1
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	14.93	67.10	643.2	1.0078	1.3074	1.0572	1395
2	14.93	112.25	663.2	1.0098	1.3074	1.0599	2345
3	14.93	154.52	663.2	1.0098	1.3074	1.0599	3227
4	14.93	207.62	663.2	1.0098	1.3074	1.0599	4336
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	.95	512	1.45	.895	dry gas	none	.585	X X X X X X X X	674	352
2	.98	510	1.45	.890				X X X X X		
3	.98	510	1.45	.890						
4	.98	510	1.45	.890						
5										

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²
1	41257	6397	40920	5863
2	34377	5841	34116	12667
3	28657	5339	28506	18277
4	22214	4715	22231	24551
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9055$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7800$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6681$

Absolute Open Flow 7800 Mcfd @ 15.025	Angle of Slope 47.6	Slope, n .916
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Remarks:

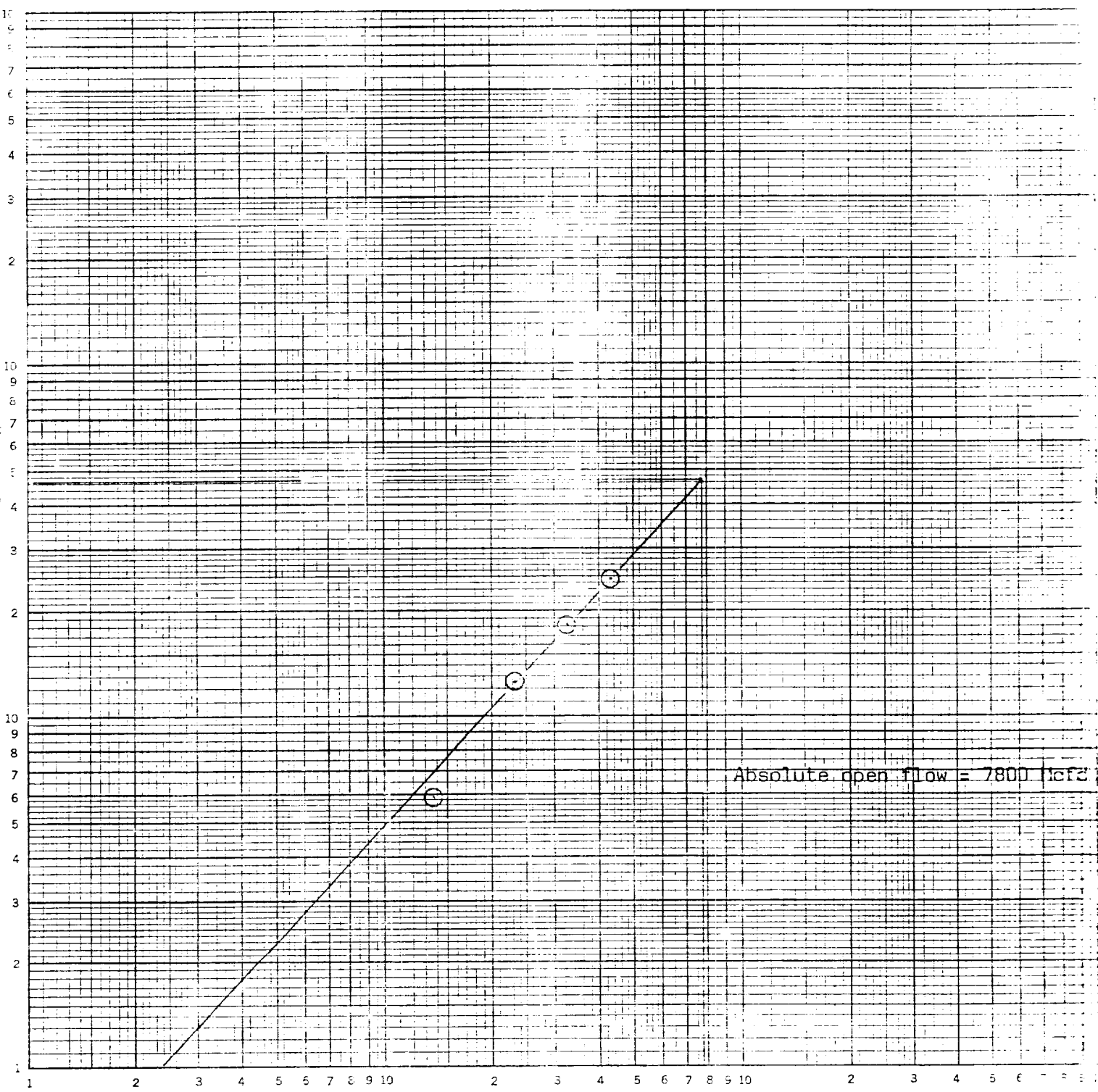
Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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Company Atapco
 Well Ial #2
 Location _____
 County Lea
 Date 6-19-82

46 7402

$P_C^2 - P_W^2$

KE LOGARITHMIC 3 X 3 CYCLES
 KEUFFEL & ESSER CO. MADE IN U.S.A.



Absolute open flow = 7800 Mcfd

Q=Mcfd

$\theta = 47.6$

$n = .916$

RECEIVED
JUL 14 1982
HOBBS OFFICE