

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

Form C-122
Rev. 9-1-65

RECEIVED

FEB 26 1982

OIL CON. COM.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 2-17-82	
Company MOBIL PRODUCING TEXAS AND NEW MEXICO, INC.				Connection NORTHWEST PIPELINE	
Pool BLANCO MESA VERDE				Formation MESA VERDE	
Completion Date 2-4-82		Total Depth 6100'		Plug Back TD 6040'	
Elevation 7026 GR		Farm or Lease Name JICARILLA E			
Csg. Size 5 1/2"	Wt. 15.5 #	d 4.950	Set At 6082	Perforations: From 5564' To 6024'	
Tbg. Size 2 3/8"	Wt. 4.7 #	d 1.995	Set At 5504	Perforations: From 5467 To 5473	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE	
Producing Thru TUBING		Reservoir Temp. °F 154 @ 6000		Mean Annual Temp. °F 50°F	
Baro. Press. - P _g 12.2		State NEW MEXICO			
L 5794	H 5794	G _g 0.6943	% CO ₂ .494	% N ₂ .277	% H ₂ S -
Prover 0.75"		Meter Run 2"		Taps -	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	2"	X	0.75"				1309	-	1310	-	172.5 Hr
1.				212	-	70	323	-	546	-	3 Hr.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650	-	224.2	0.9905	0.9298	1.0245	2616
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio 49.77 Mcf/bbl.
1.	.3344	580	1.3625	.9528	A.P.I. Gravity of Liquid Hydrocarbons 60 API @ 60°F Deg.
2.					Specific Gravity Separator Gas .6943 XXXXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXX
4.					Critical Pressure 671 P.S.I.A. P.S.I.A.
5.					Critical Temperature 389 R R

NO.	P _t ²	P _w ²	P _g ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_g^2 - P_w^2} = 1.2173$	(2) $\left[\frac{P_c^2}{P_g^2 - P_w^2} \right]^n = 1.1589$
1	112.36	558.2	311.59	1433.98		
2						
3						
4						
5						

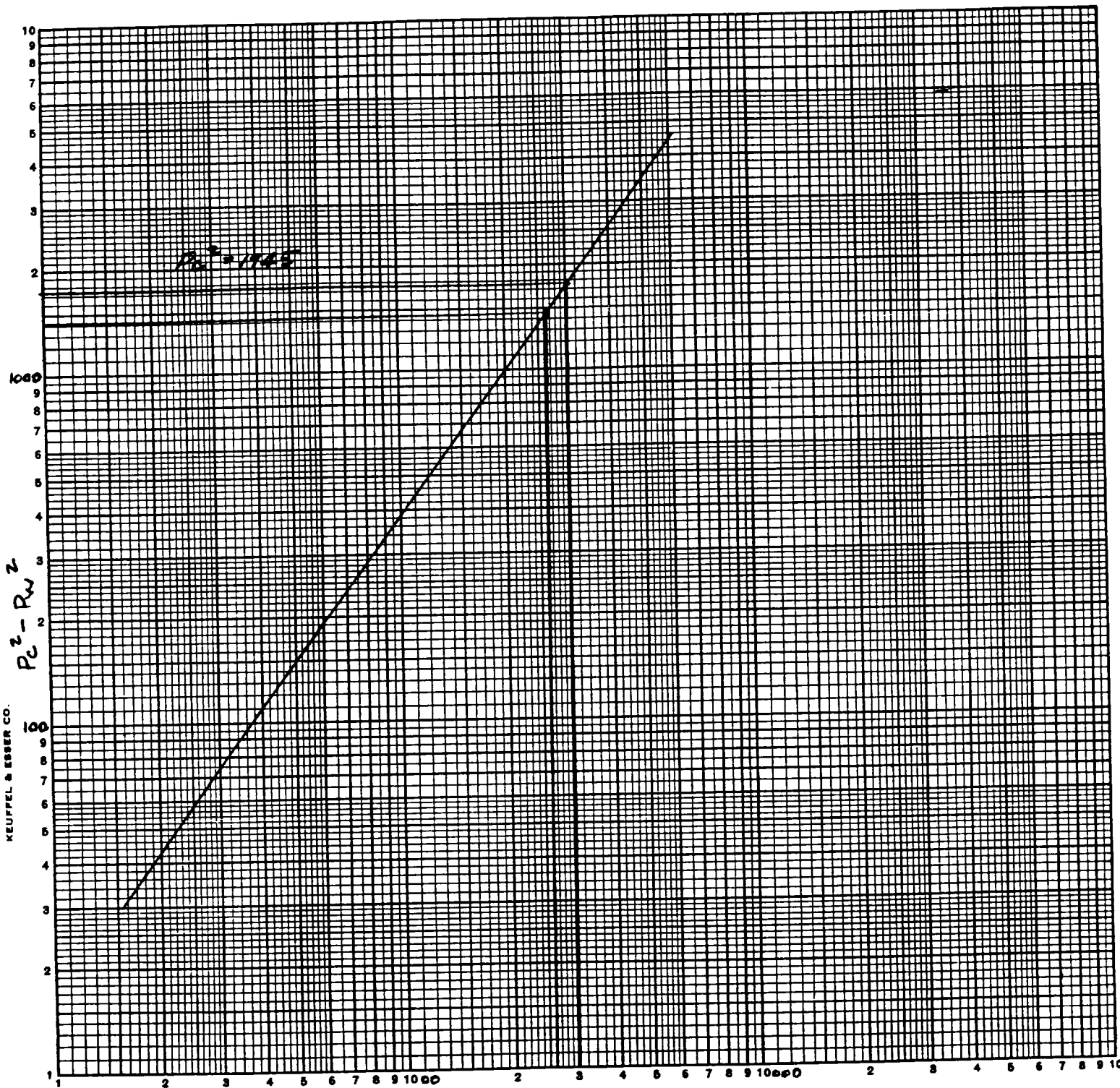
Absolute Open Flow 3032 Mcfd @ 15.025				Angle of Slope @ 58.13		Slope, n 0.75	
Remarks: PRODUCED 6.5 BBL CONDENSATE + 3 BBL WTR DURING 3 HR. TEST							
Approved By Commission:		Conducted By: K.D. JONES		Calculated By: M.L. MORRIS		Checked By: C.D. Jones	

MOBIL PRODUCING TX & N.M. INC.
 JICARILLA E-5A
 BLANCO MESAVERDE FIELD
 RIO ARriba CO, N.M.

ONE POINT BACK PRESSURE
 POTENTIAL TEST

2-17-82

K&E LOGARITHMIC
 467403
 MADE IN U.S.A.
 KEUFFEL & ESSER CO.



CAOF = 3032 MCF/D

FLOW RATE
 MCF/D