

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-23-76	
Company CONTINENTAL OIL CO.			Connection SOUTHERN UNION GAS CO.		
Pool S. BLANCO			Formation MESA VERDE		Unit
Completion Date 1-27-76		Total Depth 6350'	Plug Back TD 6288'		Elevation 7300
Csg. Size 5 1/8"		Wt. 15.5#	Set At 6175	Perforations: From 5211 To 6016	
Tbg. Size 2 1/16		Wt. 3.25#	Set At 6075	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE			Packer Set At NONE		Farm or Lease Name DVT APACHE RD
Producing Thru T86		Reservoir Temp. °F 121 @ 6060	Mean Annual Temp. °F 50°		Baro. Press. - P _a 12.0
L	H	Gg .700	% CO ₂	% N ₂	% H ₂ S
Prover 3/4" CHOKER NIPPLE			Meter Run 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
1.	3/4" CHOKER NIPPLE			28		400	1010	50	1055	50	14 DAYS
2.											
3.											
4.											
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, Fpv	Rate of Flow Q, Mcfd
1	9.604		90.2	1.020	1.195	1.000	10.56
2.							
3.							
4.							
5.							

NO.	P _t	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										
2										
3										
4										
5										

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$
1	1067.2	623.2	104458	1024458	1.120	1.074
2						
3						
4						
5						

Absolute Open Flow				Mcf @ 15.025		Angle of Slope °		Slope, n	
1,134								.25	

Remarks:			
Approved By Commission:		Conducted By:	
PAT DeFoe		PAT DeFoe	
Calculated By:		Checked By:	
PAT DeFoe			

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SUBSURFACE PRESSURE SURVEY

CONTINENTAL OIL COMPANY

PRODUCTION & DRILLING DEPT.

County RIO ARriba Field AKI APACHE "N"
 State NEW MEXICO Zone MESA VERDE
 Elev., ft. _____ Well No. 10

Depth, ft. _____ total _____ plug
 Zone Open, ft. _____ to _____
 _____ to _____
 _____ to _____
 _____ to _____

Net Effective Pay, Est. ft. _____

Oil String _____ " _____ # @ _____ ft.

Tubing _____ " _____ # @ _____ ft.

Tubing _____ " _____ # @ _____ ft.

Shut In _____ Hr. Oil Gr. _____ °API

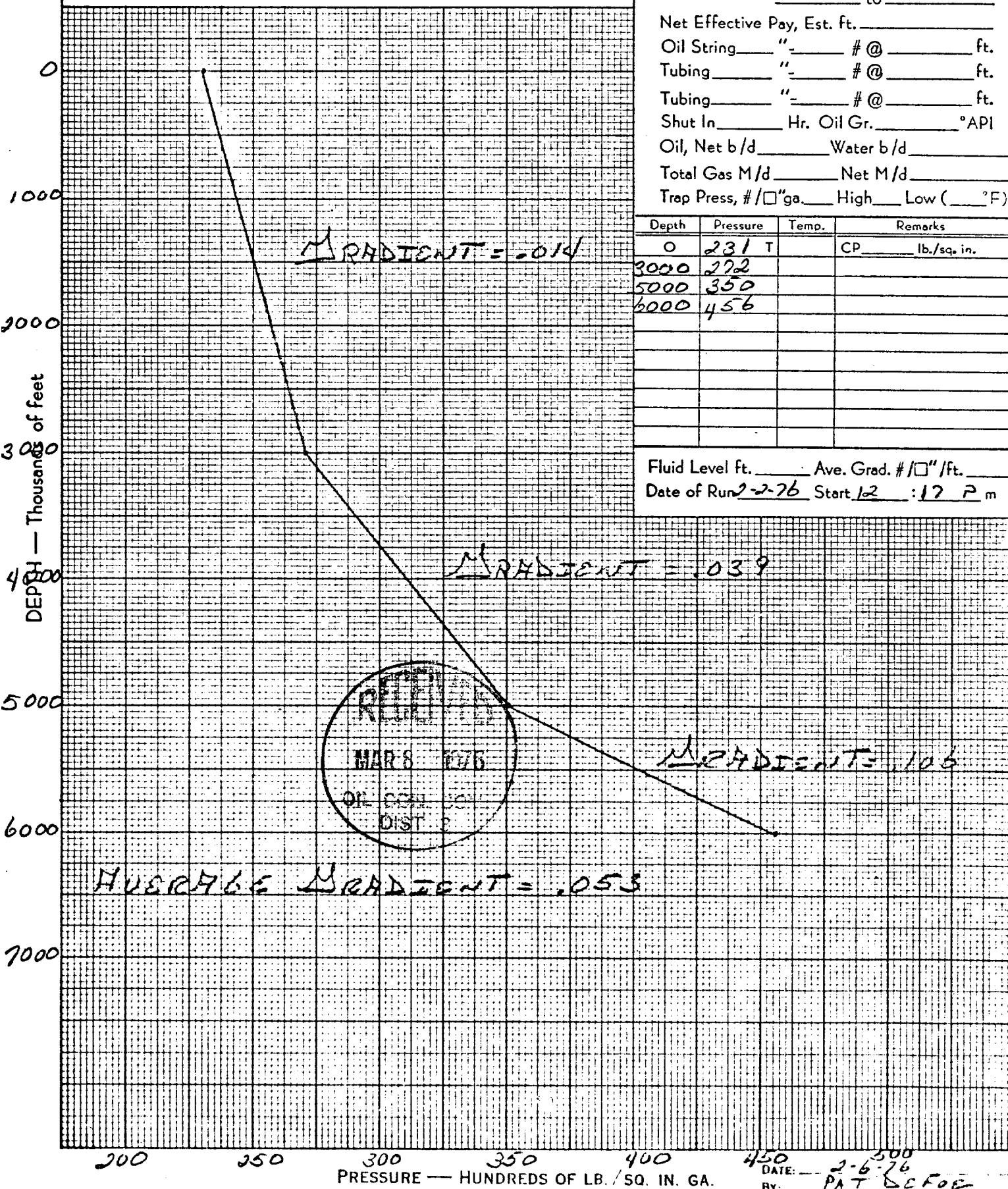
Oil, Net b/d _____ Water b/d _____

Total Gas M/d _____ Net M/d _____

Trap Press, #/□"ga. _____ High _____ Low (____°F)

Depth	Pressure	Temp.	Remarks
0	231	T	CP _____ lb./sq. in.
3000	272		
5000	350		
6000	456		

Fluid Level ft. _____ Ave. Grad. #/□" /ft. _____

Date of Run 2-27-76 Start 12 : 12 P m

PRESSURE — HUNDREDS OF LB./SQ. IN. GA.

DATE: 2-6-76
 BY: PAT SCFOE