

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 8-27-85	
Company Amoco Production Company				Connection		
Pool Bravo Dome Carbon Dioxide Gas				Formation Tubb		Unit BDCDGU
Completion Date 5-4-81		Total Depth 2910		Plug Back TD 2812		Elevation Farm or Lease Name
Csg. Size 5.5	Wt. 14	d 2893	Set At 2893	Perforations: From 2456 To 2486		Well No. 1834 271 G
Thg. Size 2-3/8	Wt. 4.7	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. G 27 18 34
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2420		County Union
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2471		Mean Annual Temp. °F 50		Baro. Press. - P _g 12.2
L 2471		H 2471	G _g 1.529	% CO ₂ 100	% N ₂ 0	% H ₂ S 0
Prover 4.0		Meter Run 4.0		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.	
SI							355			
1.	4.026 x 1.750			217	38	58	217	50		
2.	"			240	28	59	240	"		
3.	"			264	19	60	264	"		
4.	"			286	13	61	286	"		
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							1155
2							1071
3							952
4							831
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	0
2.					Specific Gravity Separator Gas	1.529
3.					Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	1072 P.S.I.A.
5.					Critical Temperature	547 R

P _c 367.2	P _c ² 134.835			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		229.2		82.303
2		252.2		71.231
3		276.2		58.549
4		298.2		45.913
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.64$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1530$

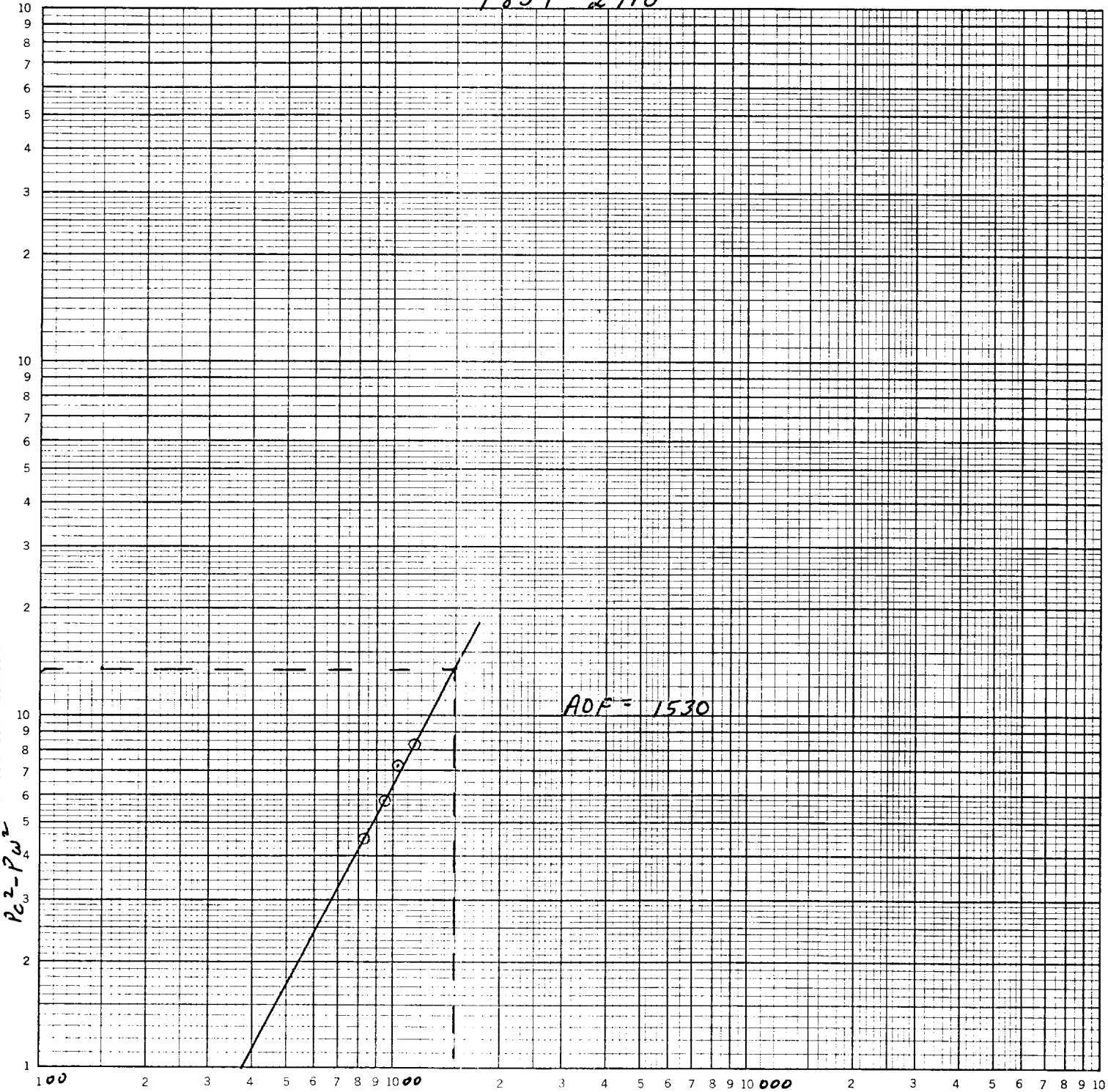
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.33$

Absolute Open Flow	1530	Mcf/d @ 15.025	Angle of Slope θ	Slope, n 57
Remarks:				
Approved By Commission:	Conducted By:	Calculated By:	Checked By:	
		D. D. Kimble		

1834 2716

46 7400

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

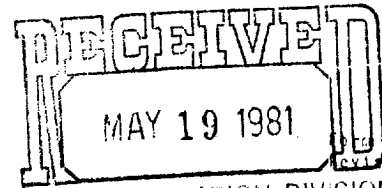


$$Q = MCFD$$

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501



OIL CONSERVATION DIVISION
10. Indicate Type of Lease
SANTA FE State ☐ For ☐

5. State Oil & Gas Lease No.

SUNDARY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-103) FOR SUCH PROPOSALS.)

1. ☐ OIL WELL ☒ GAS WELL ☒ CO2 OTHER	7. Unit Agreement Name Bravo Dome Carbon Dioxide Gas Unit
2. Name of Operator Amoco Production Company	8. Farm or Lease Name Bravo Dome Carbon Dioxide Gas Unit 1834
3. Address of Operator P. O. Box 68 Hobbs, NM 88240	9. Well No. 271
4. Location of Well UNIT LETTER <u>G</u> <u>1680</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM <u>East</u> LINE, SECTION <u>27</u> TOWNSHIP <u>18-N</u> RANGE <u>34-E</u> NMPM.	10. Field and Pool, or Wildcat Und. Tubb
11. Elevation (Show whether DF, RT, GR, etc.) 4685' GL	12. County Union

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIATION WORK ☒	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOBS ☐	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Moved in completion unit 4-30-81. Perforated 2456'-59', 2463'-68', 2470'-74', 2476'-86', with 2 JSPF. Acidized with 2500 gal. 7-1/2% HCL acid. Flow tested thru a separator for 48 hrs. at an average of 982 MCFD. Shut well in 5-4-81.

0+2-NMOCD, SF 1-Hou 1-Susp 1-MKE 1-Amerada 1-UGI 1-Cities Svc.
1-Conoco 1-CO2 in Action 1-Excelsior 1-Sun Tex.

14. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED [Signature] TITLE Admin. Analyst DATE 5-7-81

APPROVED BY [Signature] TITLE SENIOR FOREMAN GEOLOGIST DATE 5/21/81

CONDITIONS OF APPROVAL, IF ANY: