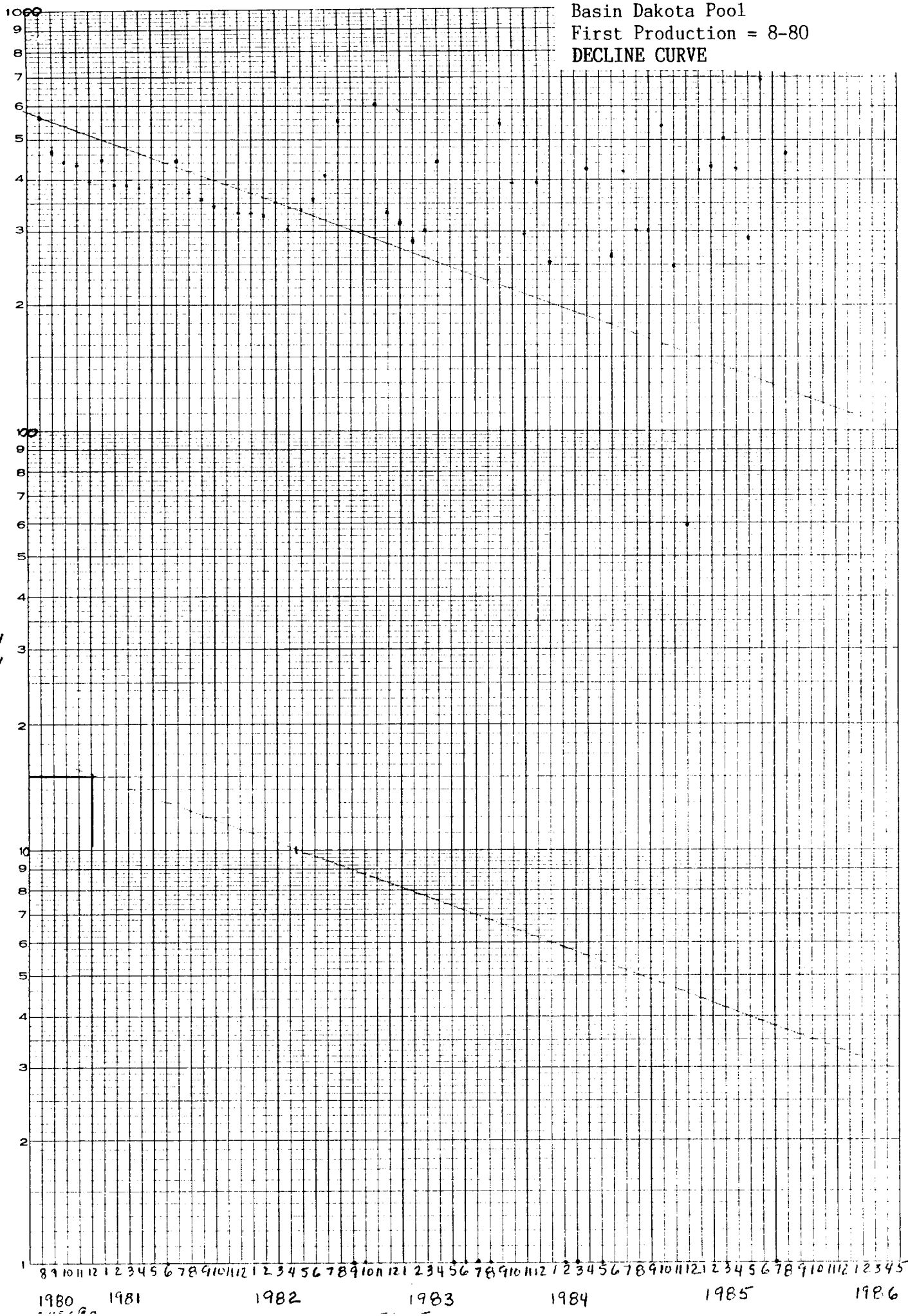


I-34-25N-6W, Rio Arriba County, NM
 Basin Dakota Pool
 First Production = 8-80
 DECLINE CURVE

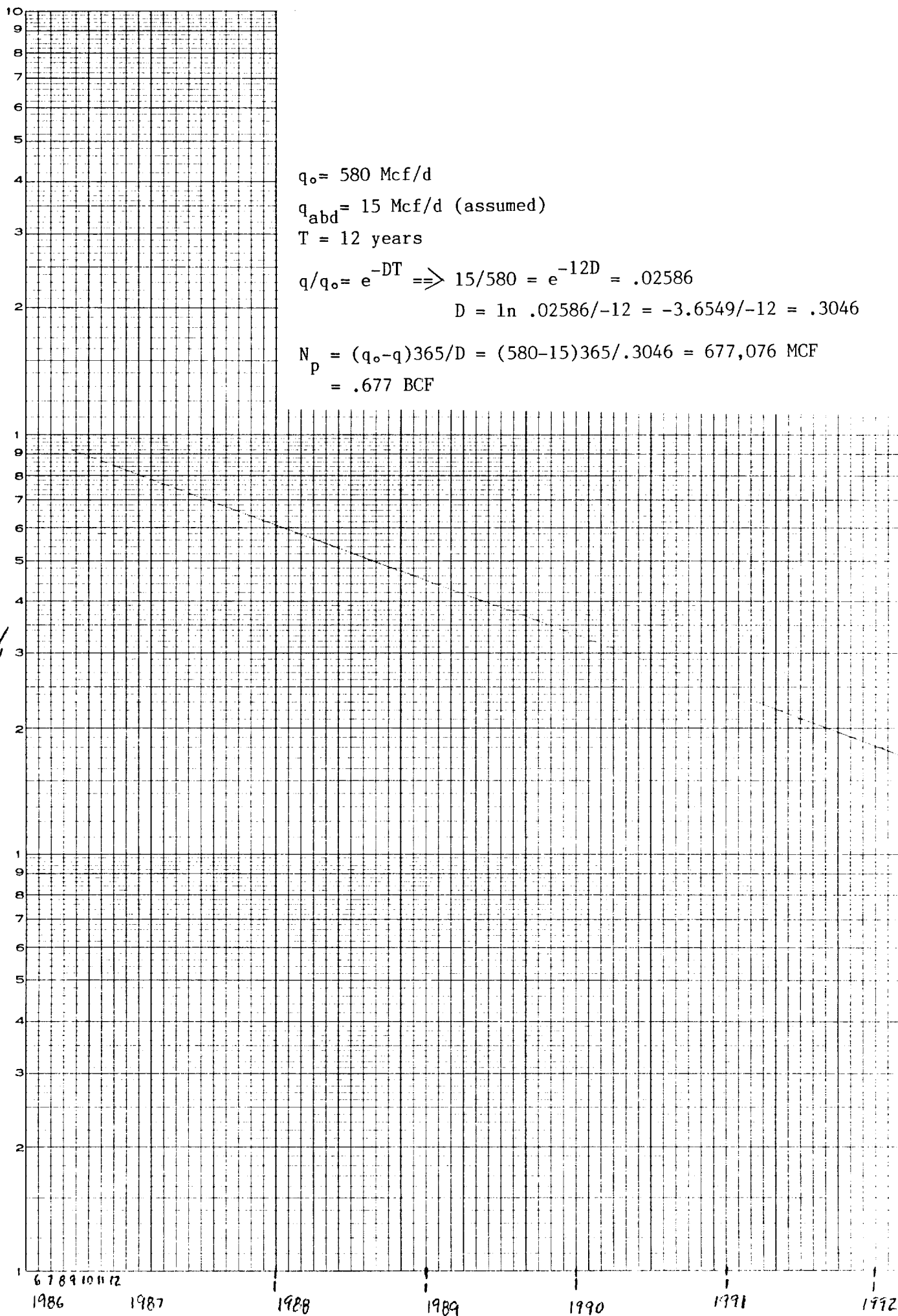
DIETZGEN CORPORATION
 MADE IN U.S.A.

NO. 340-L310 DIETZGEN GRAPH PAPER
 SEMI-LOGARITHMIC
 3 CYCLES X 10 DIVISIONS PER INCH

mcf/
 Day



MCF/
DAY



$$q_o = 580 \text{ Mcf/d}$$

$$q_{abd} = 15 \text{ Mcf/d (assumed)}$$

$$T = 12 \text{ years}$$

$$q/q_o = e^{-DT} \Rightarrow 15/580 = e^{-12D} = .02586$$

$$D = \ln .02586 / -12 = -3.6549 / -12 = .3046$$

$$N_p = (q_o - q)365/D = (580 - 15)365 / .3046 = 677,076 \text{ MCF}$$

$$= .677 \text{ BCF}$$

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LAND OFFICE	
OPERATOR	

Form C-105
Revised 11-1-80

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1st Deliv. Aug. 14, 1980

5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease I.O.	

1a. TYPE OF WELL

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____

b. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____

7. Unit Agreement Name
8. Farm or Lease Name Federal
9. Well No. 3 E
10. Field and Pool, or Wildcat Basin Dakota

2. Name of Operator
J. Gregory Merrion

3. Address of Operator
P. O. Box 507, Farmington, NM 87401

4. Location of Well

UNIT LETTER **I** LOCATED **1820** FEET FROM THE **South** LINE AND **1120** FEET FROM **East**

THE **East** LINE OF SEC. **34** TWP. **25N** RGE. **6W** NMPM

12. County Rio Arriba

15. Date Spudded 4-19-80	16. Date T.D. Reached 5-2-80	17. Date Compl. (Ready to Prod.) 6-9-80	18. Elevations (DF, RKB, RT, GR, etc.) 6373 GL, 6387 KB	19. Elev. Casinghead 6773
20. Total Depth 6750	21. Plug Back T.D. 6711	22. If Multiple Compl., How Many -	23. Intervals Drilled By Rotary Tools	Cable Tools 0.6750

24. Producing Interval(s), of this completion - Top, Bottom, Name
6509-17, 6549-74, 6706-20, Dakota

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
Dual Induction SFL and Compensated Neutron Density

27. Was Well Cored
No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	23	266	12-1/4	225 sx "B" 2% CACL₂	none
4-1/2	10.5	6750	7-7/8	1100 sx + additives	none

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8	6495	

31. Perforation Record (Interval, size and number) 6712-20, 16 holes, 0.43" squeezed 6706-20, 28 holes, 0.43" 6549-74, 10 holes, 0.34" 6509-17, 6 holes, 0.34"	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	6712-20	Squeeze w/ 35 sx class H 6% FLA
	6706-20	Frack 27600 gal + 74900# 20/40
	6509-17, 6549-74	Frack 45000 gal + 70000# 20/40 + 10000# 10/20

33. PRODUCTION							
Date First Production 6-9-80		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Shut in	
Date of Test 7-7-80	Hours Tested 3	Choke Size 3/4	Prod'n. For Test Period spray	Oil - Bbl. 2227	Gas - MCF spray	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press. 172	Casing Pressure 385	Calculated 24-Hour Rate 2227	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
vented

Test Witnessed By
J. Gregory Merrion

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED

J. Gregory Merrion

TITLE

Operator

DATE

7-14-80

