

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION COMMISSION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION FOR THE PURPOSE OF
CONSIDERING:

CASE NOS. 7898, 7899, 7900


APPLICATION OF AMOCO PRODUCTION COMPANY

ENTRY OF APPEARANCE

COMES NOW Jim Baca, Commissioner of Public Lands for the State of New Mexico, by and through the undersigned counsel, and requests the Oil Conservation Commission that he be allowed to enter this Appearance as a party of record in the aforesaid proceedings.

The Commissioner states further that oil and gas lands owned by the State of New Mexico are involved in this proceedings that may or may not be adversely affected by the order or decision of the Division in this matter.

DATED this 1st day of June 1983.



JEFFERY S. TAYLOR
Attorney for Jim Baca
Commissioner of Public Lands
for the State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87504-1148
(505) 827-5713

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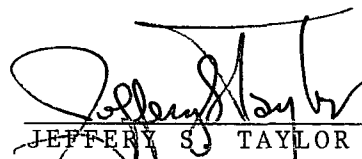
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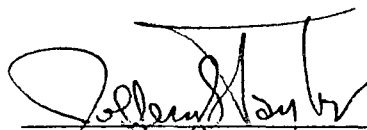
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Santa Fe, New Mexico 87504-1148
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BEFORE THE
OIL CONSERVATION DIVISION
NEW MEXICO DEPARTMENT OF ENERGY AND MINERALS

IN THE MATTER OF THE APPLICATION
OF AMOCO PRODUCTION COMPANY FOR
N.G.P.A. WELL CATEGORY DETERMIN-
ATION, SAN JUAN COUNTY, NEW
MEXICO

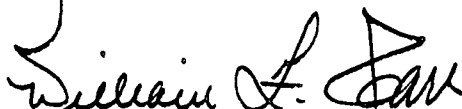
CASE 7898

ENTRY OF APPEARANCE

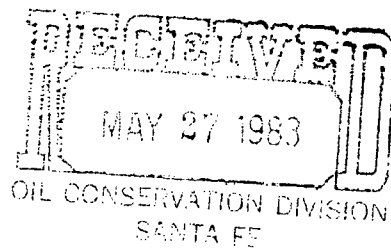
Comes now, CAMPBELL, BYRD & BLACK, P.A. and hereby enters
its appearance in the above-styled case for Amoco Production
Company.

CAMPBELL, BYRD & BLACK, P.A.

By

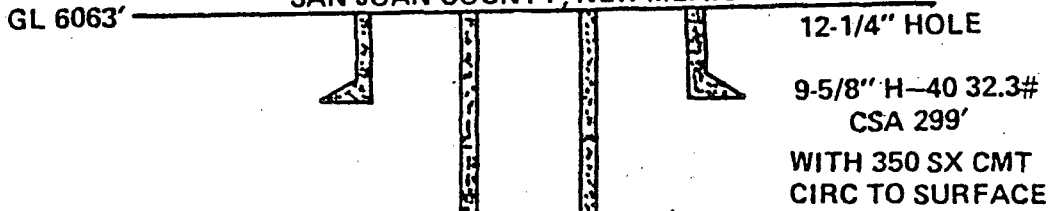


William F. Carr
Post Office Box 2208
Santa Fe, New Mexico 87501
505/988-4421
ATTORNEYS FOR AMOCO
PRODUCTION COMPANY



AMOCO PRODUCTION COMPANY
DENVER REGION
NMOCD HEARING
JUNE 8, 1983
CASE 7898

WELLBORE DIAGRAM
MOUNT NEBO FRUITLAND FIELD
SCHNEIDER GAS COM "B" NO. 1S
950' FSL X 900' FWL
SECTION 28-T32N-R10W
SAN JUAN COUNTY, NEW MEXICO

GL 6063' 

12-1/4" HOLE
9-5/8" H-40 32.3#
CSA 299'
WITH 350 SX CMT
CIRC TO SURFACE

TOP OF FRUITLAND 2460'

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 12-B
CASE NO. 7898

TOP OF MAIN BASAL
COAL 2835'

8-3/4" HOLE

7" K-55 20# CSA 2826'
WITH 545 SX CMT

TD 2853'

OPEN HOLE UNDERREAMED
TO 9"

AMOCO PRODUCTION COMPANY
DENVER REGION

NMOCD HEARING
JUNE 8, 1983
CASE 7898

DESORBED GAS CONTENT-CHIP ANALYSIS
Schneider Gas Com "B" No. 1S

<u>Sample</u>	<u>Interval</u>	<u>Desorption</u> <u>(CF/TON)</u> <u>TULSA</u>	<u>Desorption</u> <u>(CF/TON)</u> <u>UNM</u>
JL 11	2832-2834	306	320
JL 13	2836-2837	403	470
JL 20	2840-2842	451	490
JL 17	2847-2849	426	440

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. *13-B*
CASE NO. *7898*

AMOCO PRODUCTION COMPANY
 DENVER REGION
 NMOCD HEARING
 JUNE 8, 1983
 CASE 7898

DESORBED GAS ANALYSIS
 SCHNEIDER GAS COM "B" NO. 1S

<u>Interval</u>	<u>Nitrogen</u>	<u>Carbon Dioxide</u>	<u>Methane</u>	<u>Ethane</u>	<u>Propane</u>	<u>Butane</u>
2838-approx.	<0.1	4.39	95.08	0.31	<0.1	<0.05

BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 14B
 CASE NO. 7898

Note: Numbers are volume %

AMOCO PRODUCTION COMPANY
 DENVER REGION
 NMOCD HEARING
 JUNE 8, 1983
 CASE 7898

GAS ANALYSES - MAIN BASAL COAL
 MOUNT NEBO FRUITLAND FIELD
 SCHNEIDER GAS COM "B" NO. 15
 950' FSL X 900' FWL
 SECTION 28-T32N-R10W
 SAN JUAN COUNTY, NEW MEXICO

Date Tested	Helium	Nitrogen	Carbon Dioxide	Methane	Ethane	Propane	Isobutane	Normal Butane	Pentane	Hexane +	BTU	Gr
12/81	0.00	0.00	4.76	94.99	0.23	0.02	0.00	0.00	0.00	0.00	964	0.6011
12/81	0.00	0.00	4.83	94.92	0.22	0.03	0.00	0.00	0.00	0.00	963	0.6018
* 8/82	0.00	5.25	0.53	87.96	3.81	1.06	0.30	0.41	0.32	0.36	1,038	0.6361
8/82	0.01	0.06	4.95	94.78	0.20	0.00	0.00	0.00	0.00	0.00	961	0.6028
9/82	0.00	0.13	4.45	93.29	1.61	0.19	0.08	0.08	0.05	0.12	994	0.6150
11/82	0.00	0.00	5.45	94.33	0.16	0.05	0.01	0.00	0.00	0.00	957	0.6078
11/82	0.00	0.00	5.23	94.56	0.17	0.04	0.00	0.00	0.00	0.00	959	0.6055
11/82	0.00	0.00	4.87	94.91	0.17	0.05	0.00	0.00	0.00	0.00	963	0.6022

BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 15-B
 CASE NO. 7898

Note: Numbers are volume %

TAB748

*Laboratory report suggests contamination of sample.

AMOCO PRODUCTION COMPANY
 DENVER REGION
 NMOC D HEARING
 JUNE 8, 1983
 CASE 7898
 GAS ANALYSES
 MOUNT NEBO FRUITLAND FIELD
 SAN JUAN COUNTY, NEW MEXICO

	Date Tested	Carbon										BTU	GR
		Helium	Nitrogen	Dioxide	Methane	Ethane	Propane	Isobutane	Normal Butane	Pentane	Hexane +		
Keys Gas Com E1	3/77	0.00	0.09	1.09	95.06	1.54	0.82	0.23	0.46	0.48	0.23	1,066	0.6070
SE NW NW 27-32N-10W	12/81	0.13	0.03	0.77	93.63	1.51	0.97	0.25	0.63	0.86	1.22	1,125	0.6413
	12/81	0.00	0.00	0.80	93.36	1.57	0.90	0.08	0.68	0.99	1.62	1,143	0.6531
	6/82	0.00	0.03	1.15	94.66	1.81	0.93	0.24	0.46	0.55	0.17	1,070	0.6090
Holmberg Gas Com A1	12/81	0.00	0.00	0.18	92.85	2.11	1.49	0.16	0.76	0.69	1.76	1,162	0.6555
SE NW NE 28-32N-10W	12/81	0.17	0.03	0.14	93.23	2.09	1.65	0.44	0.73	0.60	0.92	1,131	0.6352
	9/82	0.00	0.03	0.19	94.48	2.11	1.62	0.45	0.54	0.39	0.19	1,096	0.6100

BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION
Answer EXHIBIT NO. 16(A,B,C)
 CASE NO. 7898, 7899, 7900

Note: Numbers are volume %

TAB749

AMOCO PRODUCTION COMPANY

DENVER REGION

NMOCD HEARING

JUNE 8, 1983

CASE 7898

GAS ANALYSES

MOUNT NEBO FRUITLAND FIELD

SAN JUAN COUNTY, NEW MEXICO

17B

Pictured Cliff Wells

	Date Tested	Helium	Nitrogen	Carbon Dioxide	Methane	Ethane	Propane	Isobutane	Normal Butane	Pentane	Hexane +	BTU	GR
Martinez Gas Com A1	9/77	0.00	0.15	1.37	89.07	5.83	2.12	0.34	0.54	0.32	0.26	1,115	0.6440
NW SE SW 32-32N-10W	12/81	0.09	0.17	1.52	86.10	6.57	2.53	0.32	0.63	0.35	1.72	1,184	0.6930
	11/82	0.00	0.33	1.70	87.99	5.74	2.20	0.32	0.57	0.30	0.85	1,130	0.6625
Gardner Gas Com No: 1	12/81	0.30	0.21	1.74	89.44	4.75	1.60	0.11	0.48	0.27	1.10	1,114	0.6524
SW NE SE 33-32N-10W	9/82	0.00	0.22	1.78	90.02	4.86	1.89	0.30	0.44	0.24	0.25	1,095	0.6370
*Valentine Gas Com B1	9/79	0.17	0.12	5.91	93.70	0.00	0.07	0.00	0.00	0.00	0.03	950	0.6122
SW NE NE 32-32N-10W	12/81	0.00	0.25	5.77	93.26	0.42	0.09	0.03	0.04	0.04	0.10	964	0.6190
	9/82	0.00	0.20	5.56	93.21	0.54	0.28	0.05	0.07	0.04	0.05	971	0.6190
Leeper Gas Com C1	10/80	0.00	0.15	1.49	90.16	5.09	1.93	0.33	0.42	0.25	0.18	1,098	0.6340
NE SE SW 34-32N-10W													

Note: Numbers are volume %

SIS:jal

060683

TAB749

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

Lawyer EXHIBIT NO. 17(B,C)

CASE NO. 7898, 7899, 7900

*Believed to be in communication with Fruitland Coal.

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

Amoco EXHIBIT NO. 186A.C.1
CASE NO. 7898, 7899, 7900

AMOCO PRODUCTION COMPANY
DENVER REGION
NMOCD HEARING
JUNE 8, 1983
CASE 7898

WATER ANALYSES

Well Name	Prod Zone	No. Samples	TDS	Sodium	Chloride	Bicarbonate
Cahn Gas Com No. 1 SW NE NW 32-32N-10W	Coal 1	11	17,059	5,734	869	13,095
Schneider Gas Com "B" No. 1S NE SW SW 28-32N-10W	Coal 1	3	18,913	5,399	783	12,305
State Gas Com "BW" No. 1 SE NW NE 32-32N-10W	Coal 1	4	19,392	5,939	1,684	12,593
Keys Gas Com E1 SE NW NW 27-32N-10W	Fruitland	5	9,805	3,956	1,666	7,491
Gardner Gas Com No. 1 SW NE SE 33-32N-10W	P. C.	2	15,881	5,883	7,601	2,743
Leeper Gas Com C1 NE SE SW 34-32N-10W	P. C.	3	15,741	5,771	7,787	2,446
Compton Gas Com No. 1 SW NW SW 33-32N-10W	P. C.	2	13,223	5,080	6,107	3,276
*Valentine Gas Com B1 SW NE NE 32-32N-10W	P. C.	1	8,501	3,546	900	7,784

Note: Numbers are ppm

* Believed to be in communication with Fruitland Coal.

AMOCO PRODUCTION COMPANY
 DENVER REGION
 NMOC D HEARING
 JUNE 8, 1983
 CASE 7898

RESERVOIR PRESSURES

BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 19(LA)8(c)
 CASE NO. 2898, 2899, 2900

<u>Well Name</u>	<u>Test Zone</u>	<u>Date Comp.</u>	<u>Type of Test</u>	<u>Reservoir Pressure - psi</u>
Cahn Gas Com No. 1 SW NE NW 33-32N-10W	Coal	5/77	SI BHPBU	1562 1465
Schneider Gas Com "B" No. 1S NE SW SW 28-32N-10W	Coal	8/81	BHPBU	1362
State Gas Com "BW" No. 1 SE NW NE 32-32N-10W	Coal	12/82	BHPBU	1421
Keys Gas Com A2 NW SE NW 27-32N-10W	Coal	12/81	DST	1590
Keys Gas Com E1 SE NW NW 27-32N-10W	Fruitland	2/72	SI	1267
Holmberg Gas Com A1 SE NW NE 28-32N-10W	Fruitland	12/72	SI	1287
Scott No. 1 NW SE NE 29-32N-10W	Fruitland	5/52	DST (8)	1580 (Max)
Martinez Gas Com H1 NW SE SW 32-32N-10W	P. C.	11/73	SI	1094
*Valentine Gas Com B1 SW NE NE 32-32N-10W	P. C.	12/76	SI	1040

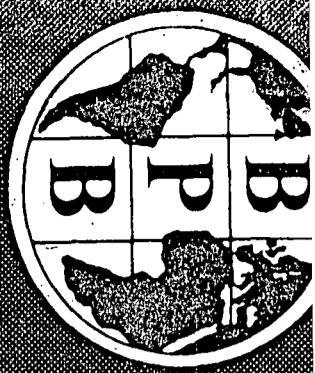
AMOCO PRODUCTION COMPANY
 DENVER REGION
 NMOC D HEARING
 JUNE 8, 1983
 CASE 7898

RESERVOIR PRESSURES

<u>Well Name</u>	<u>Test Zone</u>	<u>Date Comp.</u>	<u>Type of Test</u>	<u>Reservoir Pressure - psi</u>
Gardner Gas Com No. 1 SW NE SE 33-32N-10W	P. C.	6/79	BHPBU	884
Leeper Gas Com C1 NE SE SW 34-32N-10W	P. C.	3/77	SI	886
Scott No. 1 NW SE NE 29-32N-10W	P. C.	5/52	DST	250

*Believed to be in communication with Fruitland Coal.

Note: Pressures corrected to +3225 Datum.



BOREHOLE San Juan Co. #2
 CLIENT AMOCO PRODUCTION COMPANY

AREA SAN JUAN COUNTY DEPTH SCALE
1" = 2'

COUNTRY USA

DATE LOGGED 5-19-81 3 OF 5 LOGS

COAL QUALITY LOG

SONDE TYPE:
 COAL COMBINATION
 SONDE

LOG SUITE:
 GAMMA RAY
 L.S. DENSITY

BOREHOLE DATA REFER TO LITHOLOGY LOG

OPERATION DATA REFER TO LITHOLOGY LOG

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE: _____

SIDEWALL POSITION _____

LOG	TAPPING	LOG RECORD TAPED	DIRECTOR REPLAY	SPEED	T.C. SECS	NORM	COAL COEFF
GAMMA RAY	YES	7	R	7	1	1.60	1.60
L.S. DENSITY	YES	7	R	7	1	0.16	0.16

SOURCE: SONDE AND CALIBRATION

REFER TO LITHOLOGY LOG

COAL QUALITY LOG INTERVALS

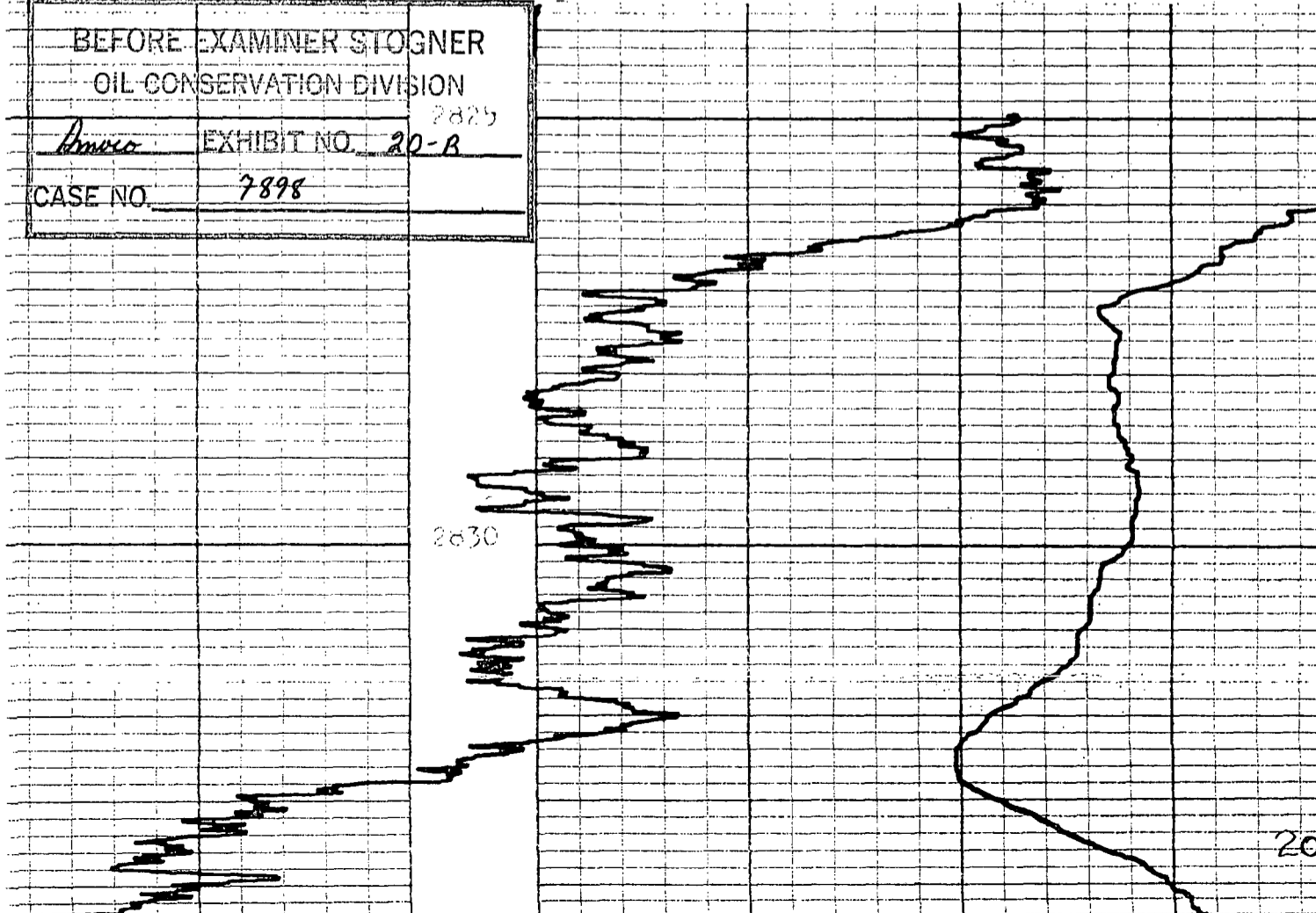
FROM	TO	INTERVAL	INTERVAL TOTAL
2825	2855	30	30

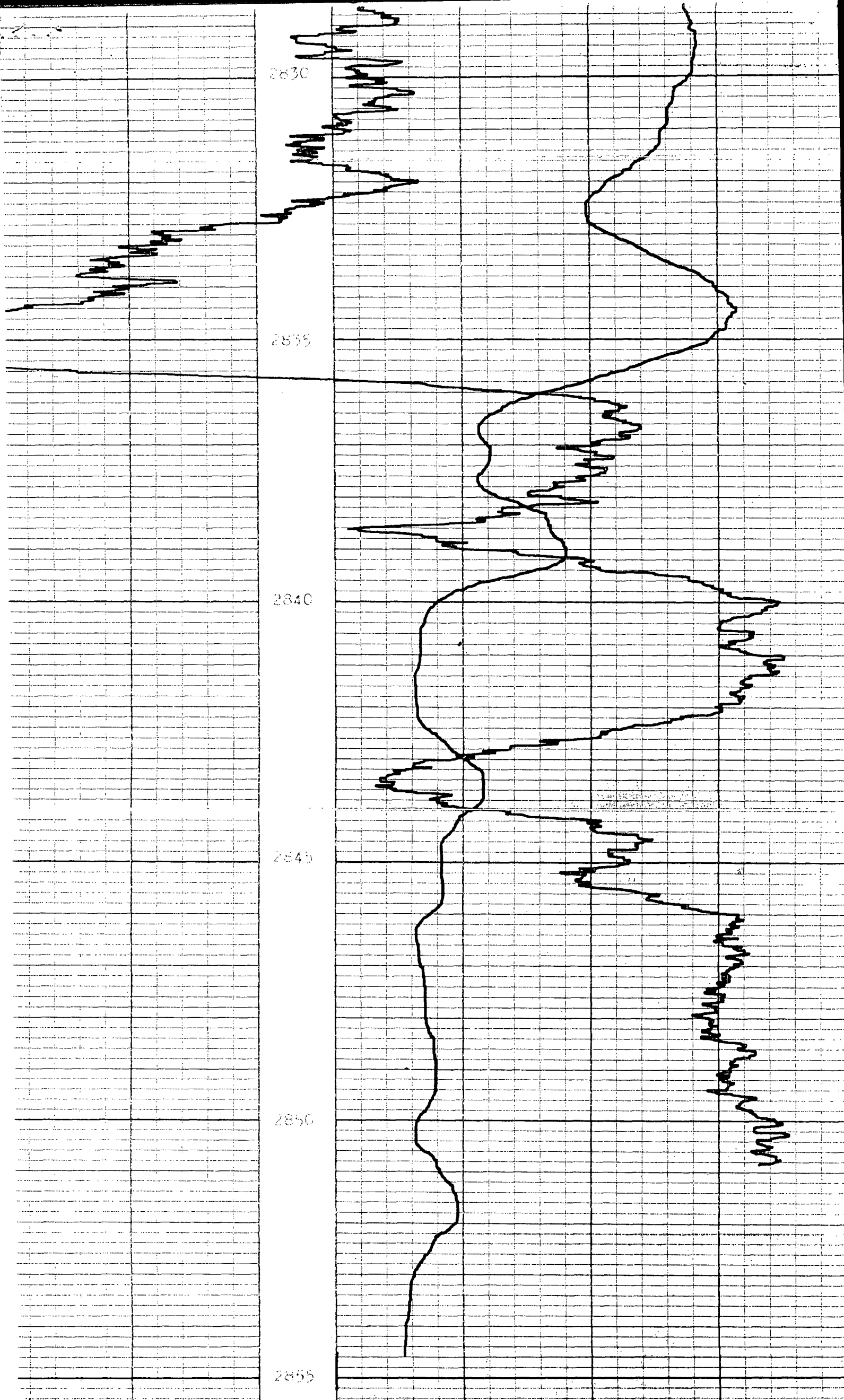
REMARKS

B P B COAL QUALITY LOG

DEPTH	200	API	GAMMA RAY	API
			BULK DENSITY	3 #1
		1 g/cm ³	2 g/cm ³	

BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION
 2825
Amoco EXHIBIT NO. 20-B
 CASE NO. 7898



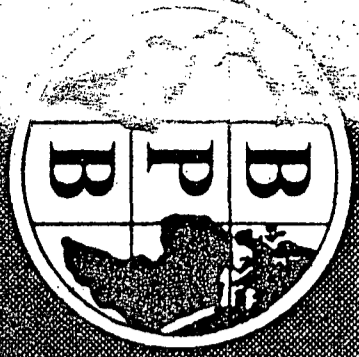


BULK DENSITY

1 g/cm³

2 g/cm³

3 g/cm³



BOREHOLE Schneider B#2
 CLIENT AMOCO PRODUCTION COMPANY

AREA SAN JUAN COUNTRY
 COUNTRY USA
 DATE LOGGED 5-19-81
 DEPTH SCALE 1" = 20'
 1 OF 5 LOGS

COAL LITHOLOGY LOG

SONDE TYPE:
 COAL
 COMBINATION
 SONDE

LOG SUITE:
 GAMMA RAY
 DENSITY
 CALIPER

BOREHOLE DATA			
PERMANENT DATUM	RIG FLOOR		
ELEVATION OF P.D.	13'		
MEASUREMENTS FROM	BPB RIG FLOOR	DRILLER RIG FLOOR	
DEPTH REACHED	2853	2853	
CASING SHOE	2826	2826	
BIT SIZES	1 8 3/4 TO 2826	2 6 1/8 TO 2853	
	3 TO	4 TO	
CASING SIZES	1 7 TO 2826	2 4 TO 2826	
FLUID DATA			
NATURE	WATER		
SG	1.1		
LEVEL	-		
VISCOSITY	-		
Rm at meas. temp.	-		
BHT	-		
OPERATION DATA			
FIRST READING	2851		
LAST READING	1000		
INTERVAL LOGGED	1851		
UNIT-TRUCK No.	66/V810		
ENGINEER	K GOODRICH B GOODRICH		
WITNESS	TIM CLAUSON		

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE														
LOG	EQUIPMENT			TAPING			PANEL			CAL. COEFF	DEPTHS			SEAM LOG RUN
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL	
GAMMA RAY	139B		G2	YES	30	D	30	1	1.60	1.60	2851	1000	1851	YES
LS DENSITY	139E	B418	D2	YES	30	D	30	1	5.16	5.16	2851	1000	1851	YES
CALIPER	SIDEWALL POSITION		G2	YES	30	D	30	1	-	-	2851	1000	1851	YES

COAL QUALITY/SEAM THICKNESS LOG INTERVALS (Refer to relevant log)				
FROM	2825			INTERVAL TOTAL
TO	2855			
INTERVAL	30			

ADDITIONAL SONDES RUN				REFER TO ADDITIONAL HEADINGS
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG	
202	PE		YES	
MC2	SONIC		YES	

REMARKS

BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION
 Amoco EXHIBIT NO. 21-B
 CASE NO. 7898

BPB COAL LITHOLOGY LOG

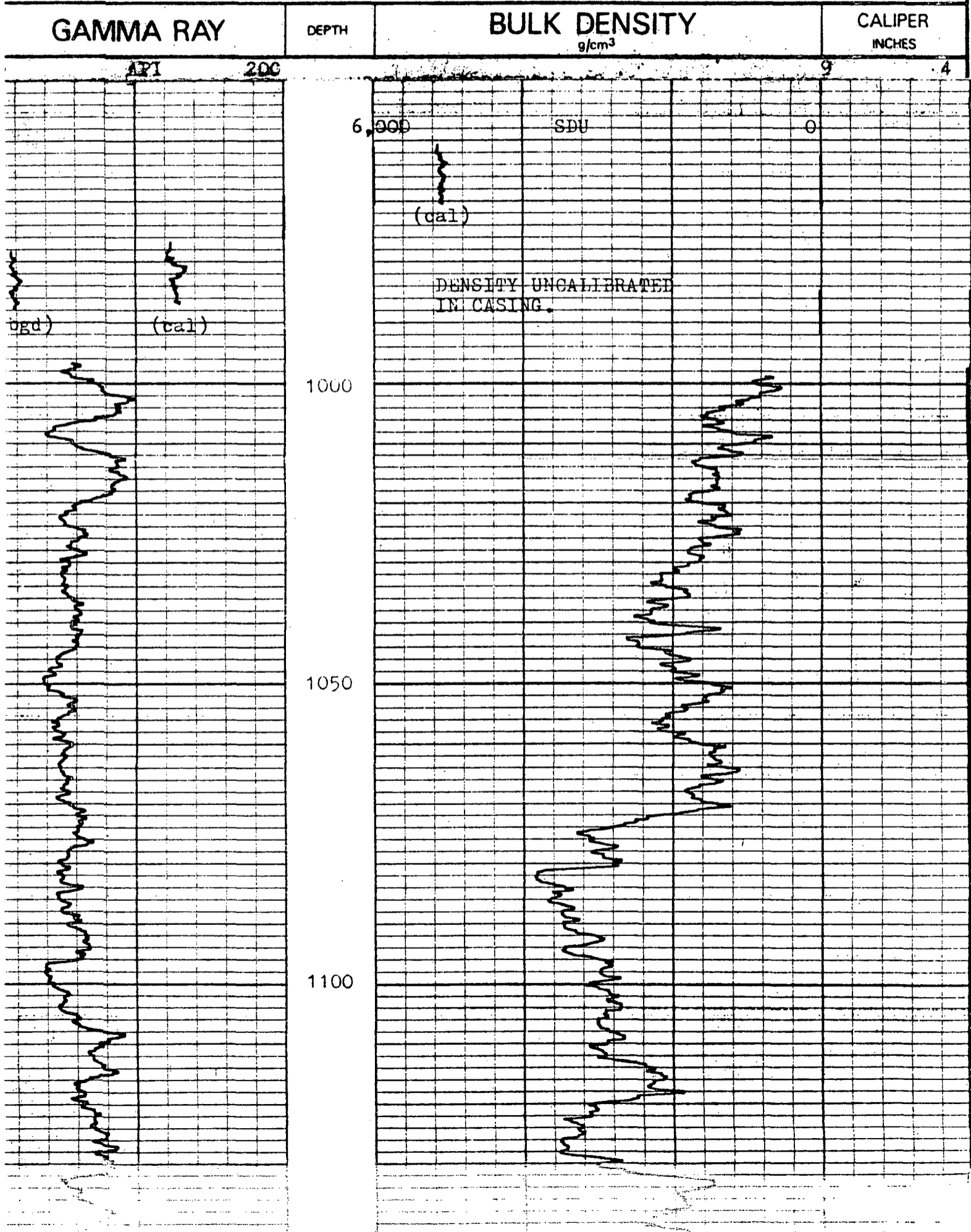
CALIBRATION DATA

MGZ	SONIC	YES	ADDITIONAL HEADINGS	_____

BPB COAL LITHOLOGY LOG

CALIBRATION DATA

G No. 02	VALUE @ 2" DIAM	JIG CAL DATE 5/17/81	JIG VALUE	SDU @	g/cm ³	5 ins. 650 cps.
G MARK SHOWN AT ABOVE VALUE - 398		JIG No. D2	SPAN	NORM	SDU - 5.16 CPS	10 ins. 910 cps.



2600

2650

2700

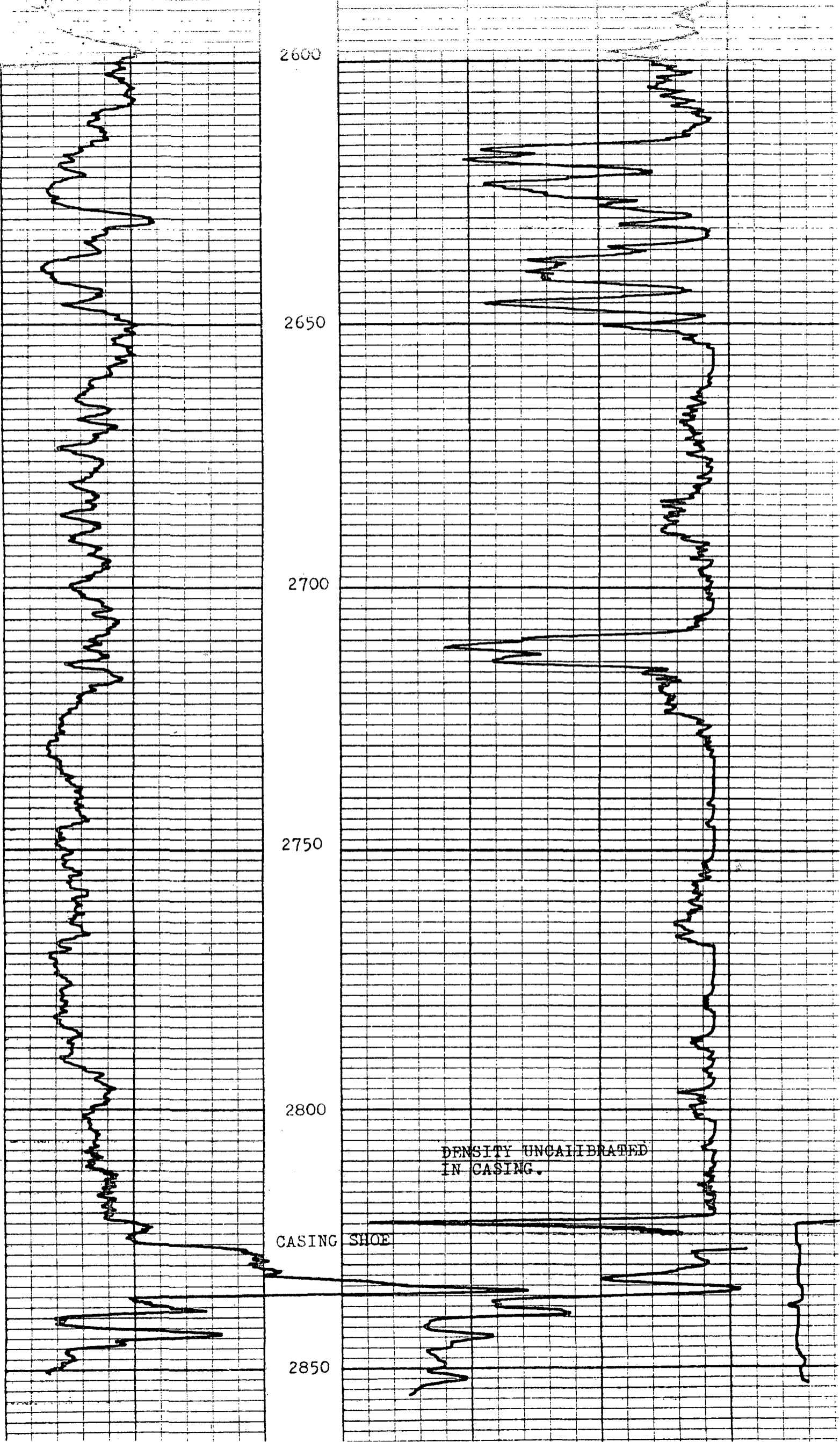
2750

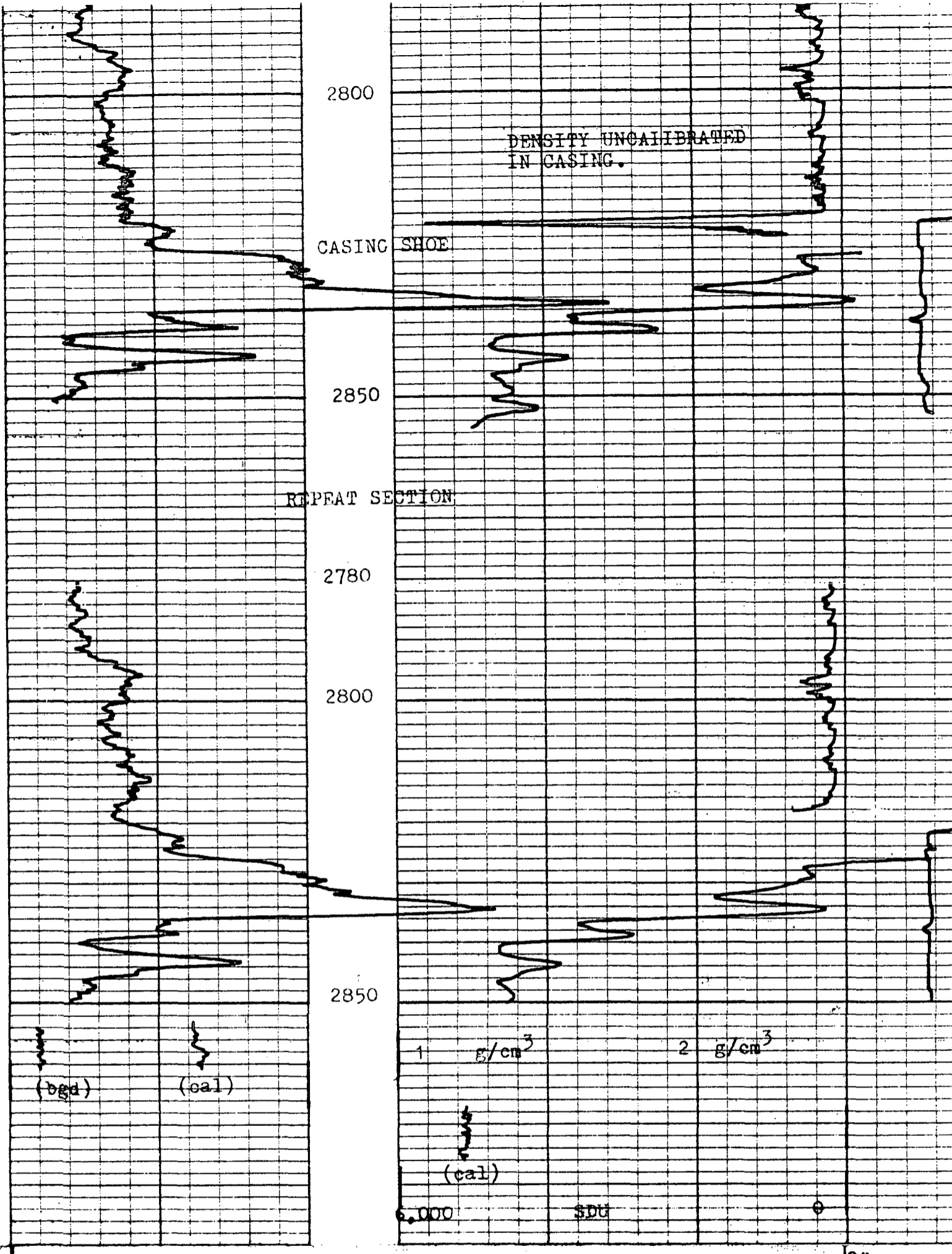
2800

CASING SHOE

2850

DENSITY UNCALIBRATED
IN CASING.





APX	ZON	g/cm ³	2 g/cm ³	3 g/cm ³
GAMMA RAY	DEPTH	BULK DENSITY		CALIPER
		g/cm ³		INCHES



BOREHOLE B#2 AREA SAN JUAN COUNTY
 CLIENT AMOCO PRODUCTION COMPANY COUNTRY USA

COAL LITHOLOGY LOG

OPERATOR

SUNDRY 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 G-101) FOR SUCH PROPOSALS.

OIL WELL GAS WELL OTHER

1. Name of Operator
Amoco Production Company

2. Address of Operator
501 Airport Drive, Farmington, NM 87401

4. Location of Well
UNIT LETTER M 950 FEET FROM THE South LINE AND 900 FEET FROM THE West LINE, SECTION 28 TOWNSHIP 32N RANGE 10W NMPM.

7. Unit Agreement Name

8. Firm or Lease Name
Schneider Gas Com "B"

9. Well No.
15

10. Field and Pool, or Wildcat
Undesignated Fruitland

15. Elevation (Show whether DF, RT, GR, etc.)
6063' G.L.

12. County
San Juan

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

PERFORM REMEDIAL WORK
TEMPORARILY ABANDON
PULL OR ALTER CASING
OTHER
PLUG AND ABANDON
CHANGE PLANS
OTHER

REMEDIAL WORK
COMMENCE DRILLING OPNS.
CASING TEST AND CEMENT JOBS
OTHER Completion Operations
ALTERING CASING
PLUG AND ABANDONMENT

17. 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.

Completion operations commenced again on 7-22-81. Total depth of the well is 2853' and the plugback depth is 2853'. There were no perforations or fracturings during the completion operations. Pulled rods, pump, and 2-7/8" tubing out of well. Washed open well with 1000 gallons of 15% HCL acid. Swabbed to recover acid and ran rods, pump, and the 2-7/8" tubing back down into the well. Landed the 2-7/8" tubing at 2821'. Released the rig on 7-27-81.

RECEIVED
JUL - 1 1981
OIL CONSERVATION DIVISION
SANTA FE

RECEIVED
JUL 31 1981
OIL CON. COM.
DIST. 3

072 - NMOCC, Aztec
C. J. Ross, Denver
BEFORE EXAMINER'S SIGNATURE
Open
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 24-B
CASE NO. 7898

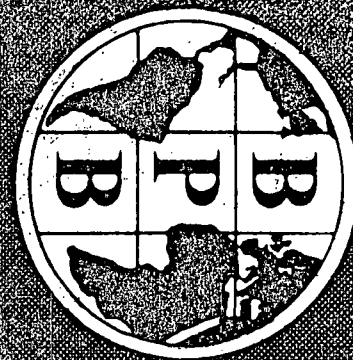
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Original Signed By E. E. SVOBODA TITLE Dist. Admin. Supvr. DATE JUL 29 1981

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT # 3 DATE JUL 31 1981

CONDITIONS OF APPROVAL, IF ANY:

24-B



BOREHOLE Schneider B#2
 CLIENT AMOCO PRODUCTION COMPANY

AREA SAN JUAN COUNTY DEPTH SCALE 1" = 20'
 COUNTRY USA
 DATE LOGGED 5-19-81 1 OF 5 LOGS

COAL LITHOLOGY LOG

SONDE TYPE:
 COAL COMBINATION
 SONDE

LOG SUITE:
 GAMMA RAY
 L. S. DENSITY
 CALIPER

BOREHOLE DATA			
PERMANENT DATUM	RIG FLOOR	13'	
ELEVATION OF P.D.			
MEASUREMENTS FROM	BPB RIG FLOOR	DRILLER	RIG FLOOR
DEPTH REACHED	2853	2853	
CASING SHOE	2826	2826	
BIT SIZES	1 8 3/4	2 2	6 1/8
	3 TO	4 TO	TO
CASING SIZES	1 7 TO 2826	2 2	4 TO 2826
FLUID DATA			
NATURE	WATER		
S.G.	1.1		
LEVEL	-		
VISCOSITY	-		
Rm at meas. temp.	-		
B.H.T.	-		
OPERATION DATA			
FIRST READING	2851		
LAST READING	1000		
INTERVAL LOGGED	1851		
UNIT-TRUCK No.	66/V810		
ENGINEER	K GOODHEW B GOODRICH		
WITNESS	TIM CLAUSON		

EQUIPMENT AND RECORDING DATA

COAL COMBINATION SONDE														
LOG	EQUIPMENT			TAPING			PANEL			CAL. COEFF.	DEPTHS			SEAM LOG RUN
	SONDE	SOURCE	CALIBRATOR	LOG TAPED	RECORD SPEED	DIRECT or REPLAY	SPEED	T.C. SECS	NORM		FROM	TO	INTERVAL	
GAMMA RAY	139B		G2	YES	30	D	30	1	1.60	1.60	2851	1000	1851	YES
L.S. DENSITY	139B	B418	D2	YES	30	D	30	1	5.16	5.16	2851	1000	1851	YES
CALIPER	SIDEWALL POSITION		G2	YES	30	D	30	1	-	-	2851	1000	1851	YES

COAL QUALITY/SEAM THICKNESS LOG INTERVALS (Refer to relevant log)				
FROM	2825			INTERVAL TOTAL
TO	2855			
INTERVAL	30			

ADDITIONAL SONDES RUN				REFER TO ADDITIONAL HEADINGS
SONDE	LOG	GENERAL SCALE LOG	DETAIL SCALE LOG	
202	FE		YES	
MC2	SONIC		YES	

REMARKS

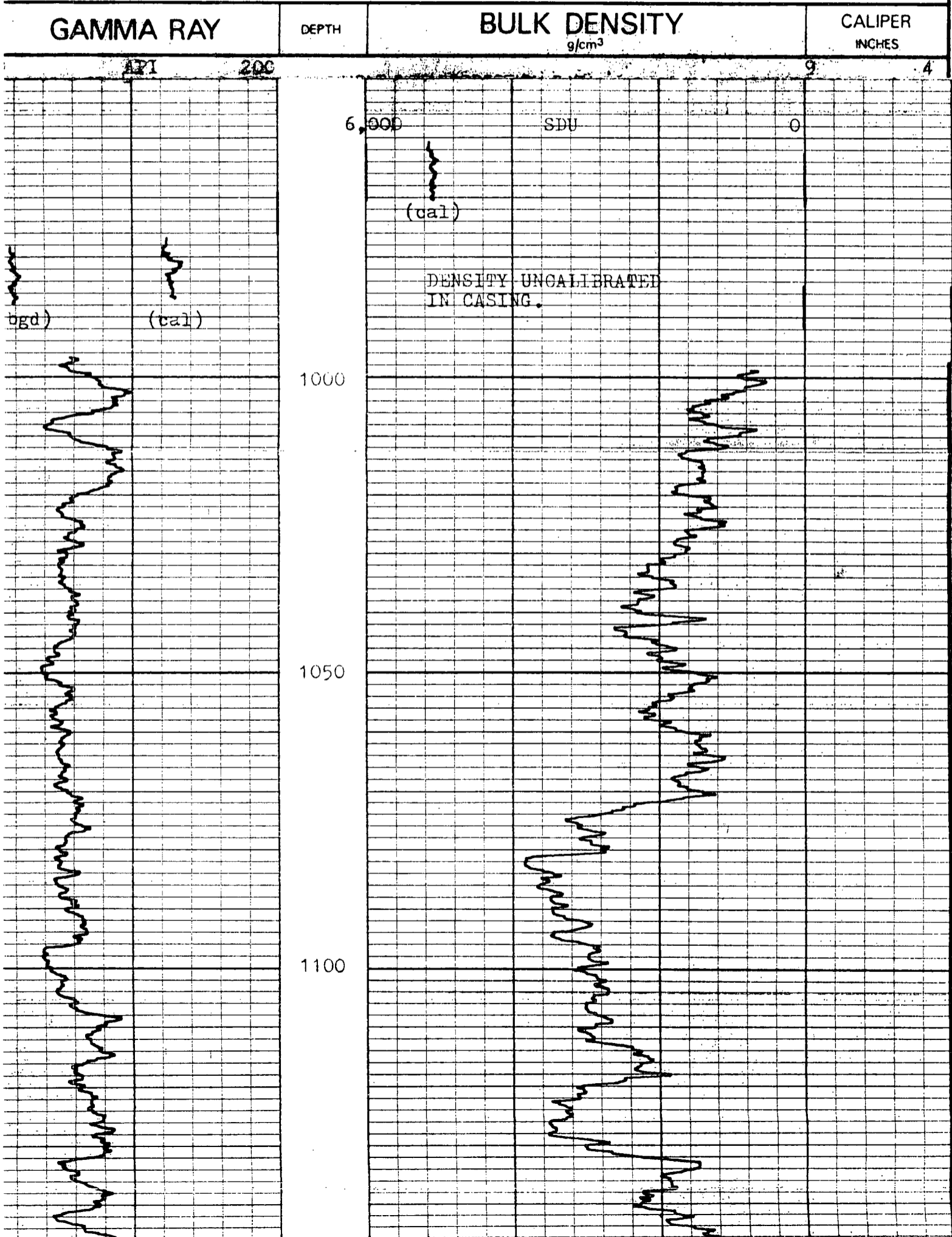
BEFORE EXAMINER STOGNER
 OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 21-B
 CASE NO. 7898

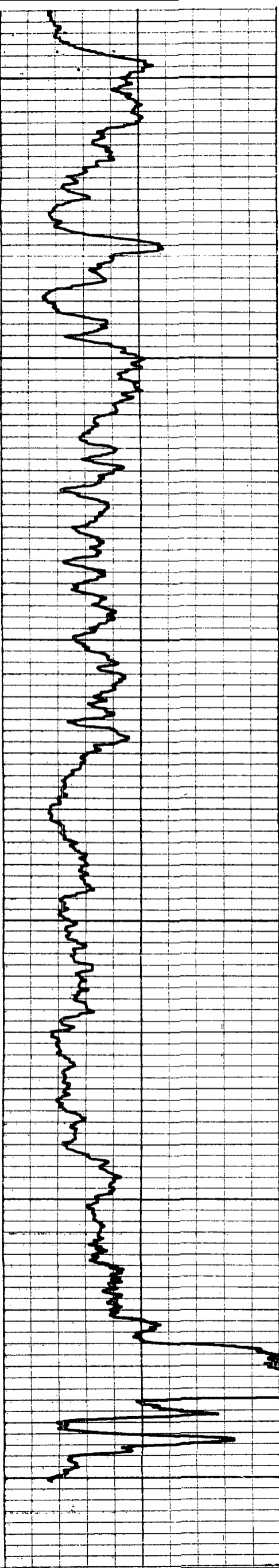
MC2	SONIC	YES	ADDITIONAL HEADINGS	

BPB COAL LITHOLOGY LOG

CALIBRATION DATA

G No. 02	VALUE @ 2" DIAM	JIG CAL DATE 5/17/81	JIG VALUE	SDU @ g/cm ³	5 ins. 650 cps.
G MARK SHOWN AT ABOVE VALUE - 398		JIG No. D2	SPAN	NORM SDU CPS = 5.16	10 ins. 910 cps.





2600

2650

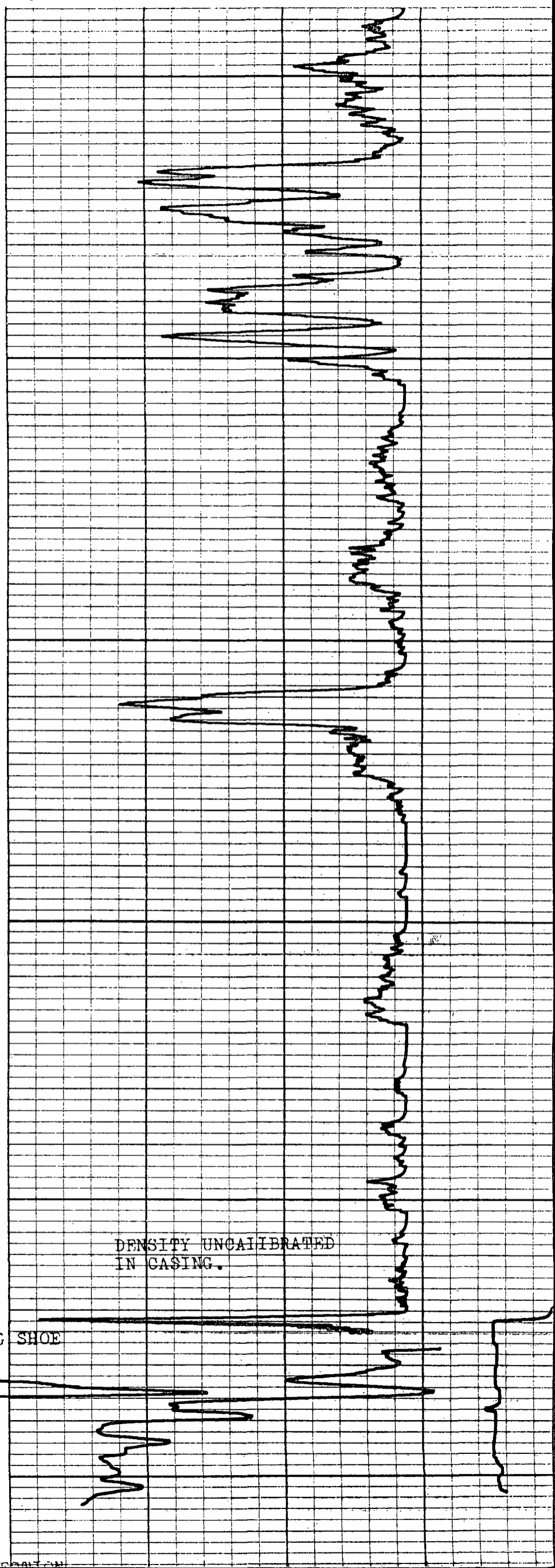
2700

2750

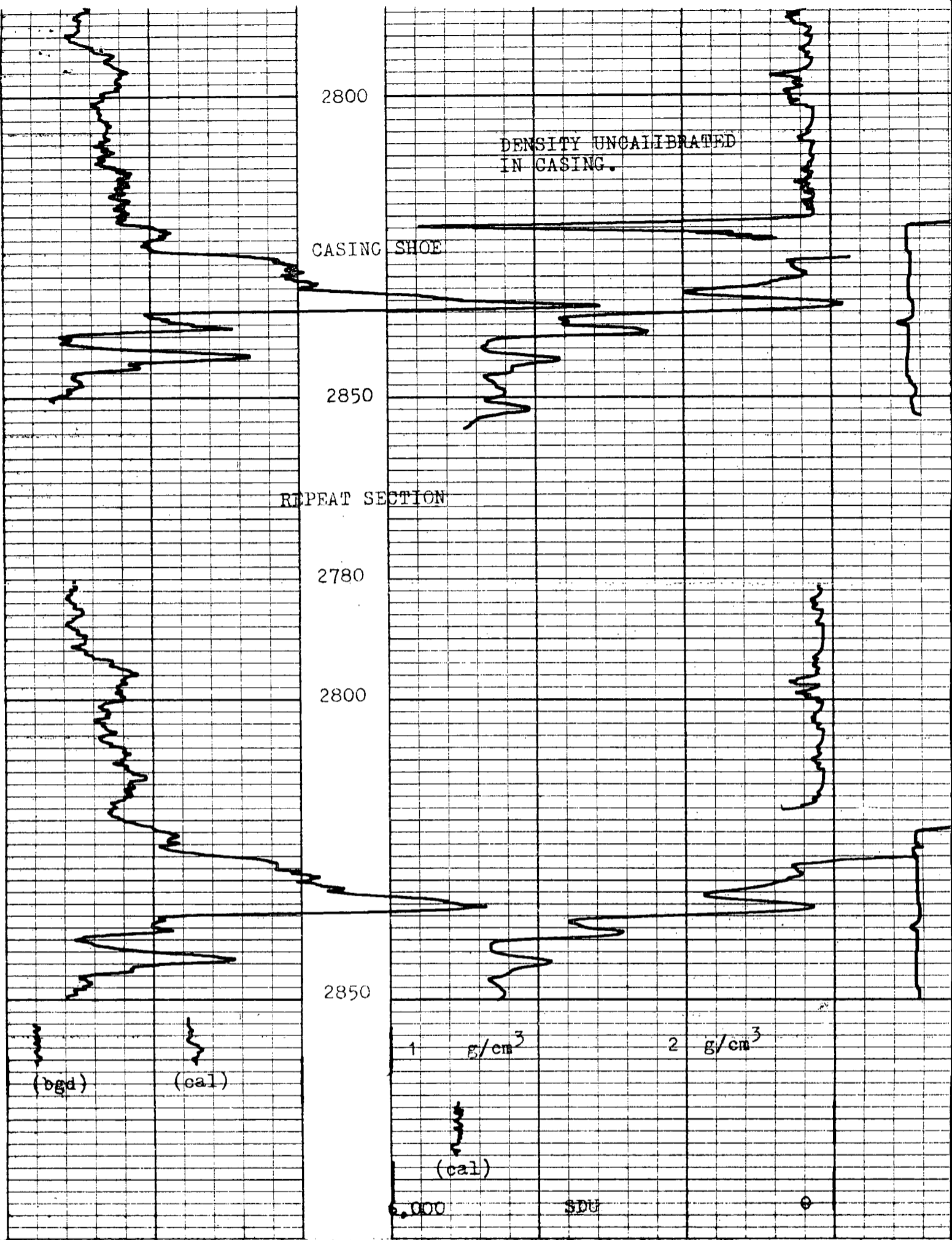
2800

CASING SHOE

2850



DENSITY UNCALIBRATED
IN CASING.



GAMMA RAY	DEPTH	BULK DENSITY <small>g/cm³</small>	CALIPER <small>INCHES</small>
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BOREHOLE B#2 AREA SAN JUAN COUNTY
 CLIENT AMOCO PRODUCTION COMPANY COUNTRY USA

COAL LITHOLOGY LOG