

PADILLA & SNYDER

ATTORNEYS AT LAW
200 W. MARCY, SUITE 212
P.O. BOX 2523
SANTA FE, NEW MEXICO 87504-2523
(505) 988-7577

July 10, 1987

William Lemay
Director, New Mexico Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87504

File 9/89

Dear Mr. Lemay:

Enclosed for filing please find the Objection to Salt Water Disposal of Corinne Grace.

Thank you for your assistance.

Very truly yours,

[Handwritten signature]
Ernest L. Padilla

M 97

ELP/ng

c: Corinne Grace
David R. Vandiver

BEFORE THE OIL CONSERVATION DIVISION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION :
OF RAY WESTALL FOR A SALT WATER :
DISPOSAL WELL, EDDY COUNTY, NEW :
MEXICO :

CASE NO. 9189

OBJECTION TO SALT WATER DISPOSAL

Corinne Grace, by her attorneys, in opposition to the Application of Ray Westall for the Salt Water Disposal Well, Eddy County New Mexico states:

(1). That she is a working interest owner in the Grace Atlantic Well No. 1 located 1980' FSL and 1980'FEL of Section 24, Township 22 South, Range 26E, Eddy County New Mexico.

(2) That she is unable to determine the condition of the casing or cement in said Grace Atlantic well because she does not have a bond log or temperature survey; that she believes that the condition of the cement and casing may have deteriorated since the well's completion in 1973 such that the proposed injection operation could cause salt water migration through the casing/wellbore annulus and ultimately impair the producing interval; that a considerable portion of the 7" casing is not set in cement so as to preclude

downhole migration of injected water; that the proposed injection operations may cause corrosion to the well's casing and therefore cause a casing failure.

(3) That fresh water aquifers underlying the proposed injection area may come in horizonatal and vertical communication with the injected materials in that formations or zones separating the fresh water aquifers are not impermeable and may be pressure sensitive.

Respectfully submitted,

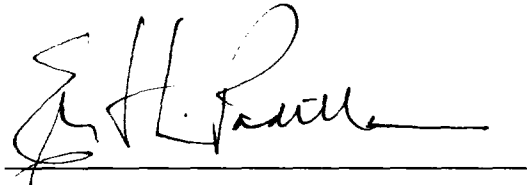
Padilla & Snyder

By 

Ernest L. Padilla
Post Office Box 2523
Santa Fe, New Mexico 87504
(505) 988-7577

CERTIFICATE OF SERVICE

I hereby certify that I caused a copy of the foregoing Objection to Salt Water Disposal to be mailed first class, postage prepaid to David R. Vandiver, Esquire, Seventh and Mahone, Suite E, Artesia, New Mexico 88210 this 10th day of July 1987.



BEFORE THE OIL CONSERVATION DIVISION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION :
OF RAY WESTALL FOR A SALT WATER : CASE NO. 9189
DISPOSAL WELL, EDDY COUNTY, NEW :
MEXICO :

AMENDED OBJECTION TO SALT WATER DISPOSAL

Corinne Grace, by her attorneys, in opposition to the Application of Ray Westall for the Salt Water Disposal Well, Eddy County New Mexico states:

(1). That she is a working interest owner in the Grace Atlantic Well No. 1 located 1980' FSL and 1980'FEL of Section 24, Township 22 South, Range 26E, Eddy County New Mexico and that she owns other oil and gas interest in the area of the proposed disposal well.

(2) That she is unable to determine the condition of the casing or cement in said Grace Atlantic well because she does not have a bond log or temperature survey; that she believes that the condition of the cement and casing may have deteriorated since the well's completion in 1973 such that the proposed injection operation could cause salt water migration through the casing/wellbore annulus and ultimately impair the producing interval; that a considerable portion

of the 7" casing is not set in cement so as to preclude downhole migration of injected water; that the proposed injection operations may cause corrosion to the well's casing and therefore cause a casing failure.

(3) That fresh water aquifers underlying the proposed injection area may come in horizonatal and vertical communication with the injected materials in that formations or zones separating the fresh water aquifers are not impermeable and may be pressure sensitive.

Respectfully submitted,

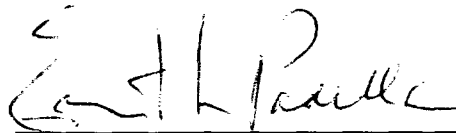
Padilla & Snyder

By 

Ernest L. Padilla
Post Office Box 2523
Santa Fe, New Mexico 87504
(505) 988-7577

CERTIFICATE OF SERVICE

I hereby certify that I caused a copy of the foregoing Amended Objection to Salt Water Disposal to be hand delivered to opposing counsel of record this 12th day of August 1987.



LAW OFFICES

LOSEE & CARSON, P. A.

300 AMERICAN HOME BUILDING

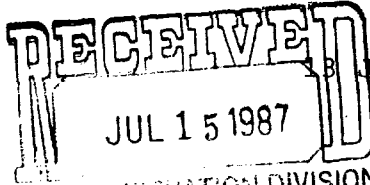
P. O. DRAWER 239

ARTESIA, NEW MEXICO 88211-0239

A. J. LOSEE
JOEL M. CARSON
JAMES E. HAAS
ERNEST L. CARROLL

AREA CODE 505
746-3508

TELECOPY
746-6316



July 1987

OIL CONSERVATION DIVISION
State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Case 9189

Re: In the Matter of the Application of Ray Westall
For a Salt Water Disposal Well, Eddy County/Merland #1

Gentlemen:

I am enclosing for filing in the above-captioned matter the Response and Objection of Merland, Inc. to said application. Please return the enclosed copy to me reflecting the filing information for my files.

Thank you for your assistance.

Very truly yours,

LOSEE & CARSON, P. A.

Ernest L. Carroll by James E. Haas

Ernest L. Carroll

ELC:ktl
Enclosures

cc: David Vandiver (w/encl.)

BEFORE THE OIL CONSERVATION DIVISION

OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION :
OF RAY WESTALL FOR A SALT WATER :
DISPOSAL WELL, EDDY COUNTY, NEW :
MEXICO :
_____ :

CASE NO. 9189

RECEIVED

JUL 15 1927

OIL CONSERVATION DIVISION

RESPONSE AND OBJECTION OF
MERLAND INC.

COMES NOW Merland, Inc. and objects to the granting of the application of Ray Westall and states upon information and belief:

1. That the applicant does not have the permission of the owners of the mineral rights of the formation into which he proposes to dispose salt water.
2. That applicant does not have permission from the owner of the surface of the land on which the disposal well is to be located.
3. That oil and gas is being produced from the formation into which applicant proposes to dispose salt water.
4. That the injection of water as requested by the application may damage the formation, preventing further production of oil and gas from the formation.
5. That the granting of the application will cause waste and impair correlative rights.

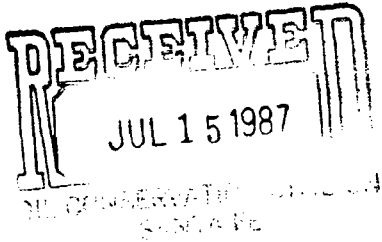
I certify that I mailed a true copy of the foregoing pleading to opposing counsel of record on this 13th day of

July, 1927
James E. Haas

Respectfully submitted,

James E. Haas for Ernest L. Carroll
Ernest L. Carroll

LOSEE & CARSON, P. A.
P. O. Drawer 239



July 13, 1987

Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Case 9189

Re: Application of Ray Westall
Merland No. 1 Well
Township 22 South, Range 26 East, NMPM
Section 24: SW/4 SE/4
Eddy County, New Mexico

Gentlemen:

Please continue the hearing set on the Application of Ray Westall for a Salt Water Disposal Well, Eddy County, New Mexico, sent to your office for filing on June 29, 1987, until the Examiner Hearing of August 12, 1987.

Thank you.

Very truly yours,

DICKERSON, FISK & VANDIVER

David R. Vandiver

DRV:pv

cc: Mr. Ray Westall
Mr. Randy Harris

BEFORE THE OIL CONSERVATION DIVISION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION :
OF RAY WESTALL FOR A SALT WATER :
DISPOSAL WELL, EDDY COUNTY, NEW :
MEXICO :
_____ :

CASE NO. 9189

AFFIDAVIT

STATE OF NEW MEXICO)
 : ss.
COUNTY OF EDDY)

PATTI VERMILLION, being first duly sworn, upon oath, states that the notice provisions of Rule 1207 of the New Mexico Oil Conservation Division have been complied with, that Applicant has caused to be conducted a good-faith diligent effort to find the correct addresses of all interested persons entitled to receive notice, and that pursuant to Rule 1207, notice has been given at the correct addresses as provided by such rule.

In support hereof, affiant states that true copies of the Application of Ray Westall for a Salt Water Disposal Well, Eddy County, New Mexico, together with true copies of the Form C-108, Application for Authorization to Inject, for the purpose of salt water disposal at a location 990 feet from the south line and 1,870 feet from the east line of Section 24, Township 22 South, Range 26 East, N.M.P.M., have been mailed to the following named owner of the surface on which the well is to be located and

leasehold operators within one-half mile of the well location, in accordance with Rule 1207, in securely sealed, certified mail, return receipt requested, postage prepaid envelopes, addressed to the following named parties:

Surface Owner: Mary F. Merchant
P. O. Box 548
Carlsbad, New Mexico 88220

Offset Operators: Pennzoil Company
P. O. Drawer 1828
Midland, Texas 79701

Grace Energy Company
P. O. Box 207
Carlsbad, New Mexico 88220

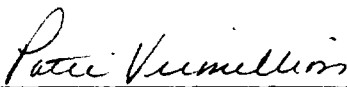
Corinne Grace
P. O. Box 1418
Carlsbad, New Mexico 88220

Arco Oil and Gas Company
P. O. Box 1610
Midland, Texas 79702

JFG Enterprises
P. O. Box 100
Artesia, New Mexico 88210

Cities Service Oil and Gas Corporation
P. O. Box 1919
Midland, Texas 79702

as reflected by the copies of the letters transmitting such copies attached hereto.



Patti Vermillion

SUBSCRIBED AND SWORN TO before me this 29th day of
June, 1987, by PATTI VERMILLION.

My commission expires:
1-2-90

Karen Polson
Notary Public

June 29, 1987

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Ms. Mary F. Merchant
P. O. Box 548
Carlsbad, New Mexico 88220

Re: Merland No. 1 Well
Township 22 South, Range 26 East, NMPM
Section 24: SW/4 SE/4
Eddy County, New Mexico

Dear Ms. Merchant:

Enclosed, please find a copy of the Application of Ray Westall for a Salt Water Disposal Well, Eddy County, New Mexico, together with a copy of the Form C-108 filed therewith.

The name, address, phone number and contact party for the applicant is:

Ray Westall
P. O. Box 4
Loco Hills, New Mexico 88255
(505) 677-3113

The intended purpose of the injection well, located 990 feet from the south line and 1,870 feet from the east line of Section 24, Township 22 South, Range 26 East, N.M.P.M., is for the disposal of salt water in the Cherry Canyon formation, with a planned injection interval of 3,670 feet to 3,720 feet. The expected maximum injection rate is 1,000 barrels per day, with the maximum injection pressure to be 650 PSIG.

Surface owners or offset operators must file any objections or requests for hearing with the Oil Conservation Division, P. O.

Ms. Mary F. Merchant
-2-

June 29, 1987

Box 2088, Santa Fe, New Mexico, 87501, within 15 days from the date hereof.

Please contact the undersigned or Mr. Westall at the above address if you have any questions regarding this application.

Very truly yours,

DICKERSON, FISK & VANDIVER

David R. Vandiver
David R. Vandiver

DRV:pv
Enclosures

cc: Mr. Ray Westall

June 29, 1987

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Pennzoil Company
P. O. Drawer 1828
Midland, Texas 79701

Re: Merland No. 1 Well
Township 22 South, Range 26 East, NMPM
Section 24: SW/4 SE/4
Eddy County, New Mexico

Gentlemen:

Enclosed, please find a copy of the Application of Ray Westall for a Salt Water Disposal Well, Eddy County, New Mexico, together with a copy of the Form C-108 filed therewith.

The name, address, phone number and contact party for the applicant is:

Ray Westall
P. O. Box 4
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(505) 677-3113

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Surface owners or offset operators must file any objections or requests for hearing with the Oil Conservation Division, P. O.

Pennzoil Company
-2-

June 29, 1987

Box 2088, Santa Fe, New Mexico, 87501, within 15 days from the date hereof.

Please contact the undersigned or Mr. Westall at the above address if you have any questions regarding this application.

Very truly yours,

DICKERSON, FISK & VANDIVER

David R. Vandiver

David R. Vandiver

DRV:pv
Enclosures

cc: Mr. Ray Westall

June 29, 1987

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Grace Energy Company
P. O. Box 207
Carlsbad, New Mexico 88220

Re: Merland No. 1 Well
Township 22 South, Range 26 East, NMPM
Section 24: SW/4 SE/4
Eddy County, New Mexico

Gentlemen:

Enclosed, please find a copy of the Application of Ray Westall for a Salt Water Disposal Well, Eddy County, New Mexico, together with a copy of the Form C-108 filed therewith.

The name, address, phone number and contact party for the applicant is:

Ray Westall
P. O. Box 4
Loco Hills, New Mexico 88255
(505) 677-3113

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Grace Energy Company
-2-

June 29, 1987

Box 2088, Santa Fe, New Mexico, 87501, within 15 days from the date hereof.

Please contact the undersigned or Mr. Westall at the above address if you have any questions regarding this application.

Very truly yours,

DICKERSON, FISK & VANDIVER

David R. Vandiver

David R. Vandiver

DRV:pv
Enclosures

cc: Mr. Ray Westall

June 29, 1987

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Ms. Corinne Grace
P. O. Box 1418
Carlsbad, New Mexico 88220

Re: Merland No. 1 Well
Township 22 South, Range 26 East, NMPM
Section 24: SW/4 SE/4
Eddy County, New Mexico

Dear Ms. Grace:

Enclosed, please find a copy of the Application of Ray Westall for a Salt Water Disposal Well, Eddy County, New Mexico, together with a copy of the Form C-108 filed therewith.

The name, address, phone number and contact party for the applicant is:

Ray Westall
P. O. Box 4
Loco Hills, New Mexico 88255
(505) 677-3113

The intended purpose of the injection well, located 990 feet from the south line and 1,870 feet from the east line of Section 24, Township 22 South, Range 26 East, N.M.P.M., is for the disposal of salt water in the Cherry Canyon formation, with a planned injection interval of 3,670 feet to 3,720 feet. The expected maximum injection rate is 1,000 barrels per day, with the maximum injection pressure to be 650 PSIG.

Surface owners or offset operators must file any objections or requests for hearing with the Oil Conservation Division, P. O.

Ms. Corinne Grace
-2-

June 29, 1987

Box 2088, Santa Fe, New Mexico, 87501, within 15 days from the date hereof.

Please contact the undersigned or Mr. Westall at the above address if you have any questions regarding this application.

Very truly yours,

DICKERSON, FISK & VANDIVER

David R. Vandiver

David R. Vandiver

DRV:pv
Enclosures

cc: Mr. Ray Westall

June 29, 1987

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Arco Oil and Gas Company
P. O. Box 1610
Midland, Texas 79702

Re: Merland No. 1 Well
Township 22 South, Range 26 East, NMPM
Section 24: SW/4 SE/4
Eddy County, New Mexico

Gentlemen:

Enclosed, please find a copy of the Application of Ray Westall for a Salt Water Disposal Well, Eddy County, New Mexico, together with a copy of the Form C-108 filed therewith.

The name, address, phone number and contact party for the applicant is:

Ray Westall
P. O. Box 4
Loco Hills, New Mexico 88255
(505) 677-3113

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Surface owners or offset operators must file any objections or requests for hearing with the Oil Conservation Division, P. O.

Arco Oil and Gas Company
-2-

June 29, 1987

Box 2088, Santa Fe, New Mexico, 87501, within 15 days from the date hereof.

Please contact the undersigned or Mr. Westall at the above address if you have any questions regarding this application.

Very truly yours,

DICKERSON, FISK & VANDIVER

David R. Vandiver

David R. Vandiver

DRV:pv
Enclosures

cc: Mr. Ray Westall

June 29, 1987

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

JFG Enterprises
P. O. Box 100
Artesia, New Mexico 88210

Re: Merland No. 1 Well
Township 22 South, Range 26 East, NMPM
Section 24: SW/4 SE/4
Eddy County, New Mexico

Gentlemen:

Enclosed, please find a copy of the Application of Ray Westall for a Salt Water Disposal Well, Eddy County, New Mexico, together with a copy of the Form C-108 filed therewith.

The name, address, phone number and contact party for the applicant is:

Ray Westall
P. O. Box 4
Loco Hills, New Mexico 88255
(505) 677-3113

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Surface owners or offset operators must file any objections or requests for hearing with the Oil Conservation Division, P. O.

JFG Enterprises
-2-

June 29, 1987

Box 2088, Santa Fe, New Mexico, 87501, within 15 days from the date hereof.

Please contact the undersigned or Mr. Westall at the above address if you have any questions regarding this application.

Very truly yours,

DICKERSON, FISK & VANDIVER

David R. Vandiver

David R. Vandiver

DRV:pv
Enclosures

cc: Mr. Ray Westall

June 29, 1987

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Cities Service Oil and Gas Corporation
P. O. Box 1919
Midland, Texas 79702

Re: Merland No. 1 Well
Township 22 South, Range 26 East, NMPM
Section 24: SW/4 SE/4
Eddy County, New Mexico

Gentlemen:

Enclosed, please find a copy of the Application of Ray Westall for a Salt Water Disposal Well, Eddy County, New Mexico, together with a copy of the Form C-108 filed therewith.

The name, address, phone number and contact party for the applicant is:

Ray Westall
P. O. Box 4
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(505) 677-3113

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Surface owners or offset operators must file any objections or requests for hearing with the Oil Conservation Division, P. O.

Cities Service Oil and Gas Corporation

June 29, 1987

-2-

Box 2088, Santa Fe, New Mexico, 87501, within 15 days from the date hereof.

Please contact the undersigned or Mr. Westall at the above address if you have any questions regarding this application.

Very truly yours,

DICKERSON, FISK & VANDIVER

David R. Vandiver

David R. Vandiver

DRV:pv
Enclosures

cc: Mr. Ray Westall

P-580 490 489

RECEIPT FOR CERTIFIED MAIL

Ms. Mary F. Merchant
P.O. Box 548
Carlsbad, NM 88220

P-580 490 490

RECEIPT FOR CERTIFIED MAIL

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

Pennzoil Company
P.O. Drawer 1828
Midland, TX 79701

P-580 490 179

Ms. Corinne Grace
P.O. Box 1418

Carlsbad, NM 88220

P-580 490 178

Grace Energy Company
P.O. Box 207

Carlsbad, NM 88220

P-580 490 181

RECEIPT FOR CERTIFIED MAIL

JFG Enterprises

P.O. Box 100

Artesia, NM 88210

P-580 490 180

RECEIPT FOR CERTIFIED MAIL

Arco Oil and Gas Company

P.O. Box 1610

Midland, TX 79702

P-580 490 182

Cities Service Oil & Gas Corp.

P.O. Box 1919

Midland, TX 79702

September 24, 1987

Mr. Michael Stogner
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Case No. 9189
Merland No. 1 Well
Township 22 South, Range 26 East, NMPM
Section 24: SW/4 SE/4
Eddy County, New Mexico

Dear Mr. Stogner:

As requested at the hearing on September 9, 1987, enclosed is the additional information you requested, consisting of bond logs, temperature surveys, C-103's, water analyses, cross-section and plat of surface facilities of the subject well. Also enclosed is a narrative description of these submittals by Randall L. Harris. A copy of all the foregoing is enclosed to Mr. Padilla.

On behalf of the applicant, we are content to have the Oil Conservation Division issue its decision in this case on this record, as we have no additional information to present on October 7, 1987, the date to which the hearing was continued.

Please advise if you need any additional information.

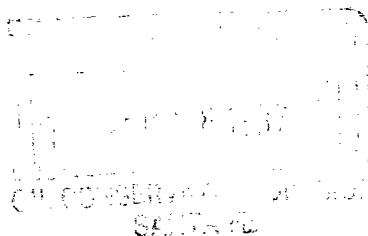
Sincerely yours,


Chad Dickerson

CD:pv
Enclosures

cc w/enclosures: Mr. Ernie Padilla

cc: Mr. Ray Westall
Mr. Randall L. Harris



Harris Petroleum Consultants

September 15, 1987

Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Michael Stogner

Re: Case No. 9189
9/09/87 Examiner Hearing

Dear Mr. Stogner:

Enclosed is the additional information you requested for clarification of the above captioned case. This information is submitted as Exhibits 5, 6, 7, 8, 9 and 10. I discuss each briefly.

Exhibit No. 5:

Cement Bond logs of Ray Westall's Baseball Park Nos. 1, 2, 3 and 4, Ray Westall's Merland No. 1 (subject well) and JFG's Kuklah Baby. These logs not only show the top of cement, but in all cases the excellent bonding above and below the proposed zone of injection.

Exhibit No. 6:

Temperature surveys on Ray Westall's Baseball Park Nos. 2 and 3. This is provided as additional support for cement tops.

Exhibit No. 7:

C-103's on all wells within the 1/2 mile area of review. These show the cement programs and cement tops and whether the cement was circulated.

Exhibit No. 8:

Water analysis of the Ray Westall Baseball Park No. 2 by two separate laboratories. Both analyses confirm that a mistake was made on the original analysis in the C-108 application.

September 17, 1987

-2-

Exhibit No. 9:

Cross section of three wells, Grace's Salty Bill disposal well, Ray Westall's Merland (subject well) and Ray Westall's Baseball Park No. 2. This exhibit is of approximately the same scale as Exhibit No. 5 of Corinne Grace. Wells 4 and 5 correspond to Wells 4 and 5 on their exhibit. This cross section is presented for two reasons: (1) to show the correct log tops, being Lamar Ls. and Bell Canyon, and not the Capitan Reef as their testimony stated, and (2) to show that the Grace Well is actively injecting into this zone. Darrell Moore, geologist of the NMOCD Artesia District Office, and myself agree it is Lamar Ls.

Exhibit No. 10:

Plat of current surface facilities of the subject well.

In my opinion, there is no hydrologic connection between the Lamar Ls. and the equivalent Capitan reef.

Respectfully submitted,



Randall L. Harris

RLH:pv
Enclosures



CEMENT BOND LOG



FILING NO.	COMPANY <u>Ray Westall</u>		
FIELD PRINT	WELL <u>Baseball Park #1</u>		
	FIELD <u>Wildcat</u>		
	COUNTY <u>Eddy</u>		STATE <u>N.M.</u>
	LOCATION		
SEC <u>24</u>		TWP <u>22-S</u>	RGE <u>26 E</u>

Permanent Datum <u>Ground Level</u> Elev. <u>3169</u>	Elev.: K.B. <u>3179</u>
Log Measured from <u>K.B. 10</u> Ft. Above Permanent Datum	D.F. _____
Drilling Measured from <u>K.B.</u>	G.L. <u>3169</u>

Date <u>1-16-85</u>	Type Fluid in Hole <u>Brine</u>
Run No. <u>one</u>	Dens. <u>---</u> Visc. <u>---</u>
Depth-Driller <u>4950</u>	Max. Rec. Temp. <u>---</u>
Depth-Logger <u>4888</u>	Est. Cement Top <u>900</u>
Btm. Log Interval <u>4886</u>	Equip. <u>749-B</u> Location <u>ARTESIAN</u>
Top Log Interval <u>500</u>	Recorded By <u>Lewis E. Dade</u>
Open Hole Size <u>8 7/8</u>	Witnessed By <u>MR. WESTALL</u>


CASING REC.	Size	Wt/Ft	Grade	Type Joint	Top	Bottom
Surface String						
Prot. String			H/A			
Prod. String						
Liner						

STRING	PRIMARY CEMENTING DATA			
	Surface	Protection	Production	Liner
Vol. of Cement				
Type of Cement				
Additive				
Additive by %				
Retarder				
Retarder by %				
Wt. of Slurry				
Water Loss				
Drill. Mud Type				
Drilling Mud Wt.				

Acoustic Cement Bond Log

- VDL Gamma Ray



FILE NO.	COMPANY <u>Ray Westall</u> WELL <u>Baseball Park No. 2</u> FIELD <u>S. CARLSBAD DELAWARE</u> COUNTY <u>EDDY</u> STATE <u>NM</u>		
API NO.		LOCATION: <u>990 FSL + 660 FEL</u>	
		SEC <u>24</u> TWP <u>22S</u> RGE <u>26E</u>	Other Services <u>EGUN</u>

Permanent Datum <u>6L</u>	Elev. <u>3168</u>	Elev. KB <u>3178</u>
Log Measured from <u>KB</u>	<u>10</u> Ft. Above Permanent Datum	DF <u>—</u>
Drilling Measured from <u>K.B</u>		GL <u>3168</u>

Date	CSG. RECORD	Surface	Protection	Production	Liner
4-26-85					
Run No. <u>0 NC</u>	Size	<u>9 5/8</u>		<u>5 1/2</u>	
Service Order No. <u>08720</u>	Wt./Ft.				
Depth - Driller <u>4600</u>	Grade				
Depth - Logger <u>4584</u>	Type Joint				
Bottom Logged Int. <u>4579</u>	Top			<u>0</u>	
Top Logged Interval <u>0</u>	Bottom	<u>400</u>		<u>T.D</u>	
Ft. Measured <u>4579</u>	PRIMARY CEMENTING DATA				
Type Fluid in Csg. <u>WTR</u>	Type Cement	<u>NA</u>		<u>NA</u>	
Fluid Level <u>0</u>	Vol of Cement	<u>NA</u>		<u>NA</u>	
Max. Temp. Deg. F. <u>—</u>	Additive				
Tool Series No. <u>1415</u>	% Additive				
Tool Diam <u>3 1/2</u>	Retarder				
Standoff Size <u>Cent.</u>	% Retarder				
Logging Speed <u>Rec.</u>	Slurry Wt.				
R/A Log Type <u>OR</u>	Water Loss				
T.C. <u>2</u>	Drig. Mud Type				
Sens. Setting <u>400</u>	Drig. Mud Wt.				
API Units/Div. <u>10</u>	PRIMARY CEMENTING PROCEDURE				
Truck or Unit No. <u>6205</u>	Started Pumping	HR	DATE	Preceding Fluid	
Location <u>Roswell</u>	Plug on Bottom			Vol	Bbls
Opr. Rig Time <u>3hrs.</u>	Pres. Released			Returns: Full Partial None	
Recorded by <u>Allock</u>	Started Bond Log	<u>1500</u>	<u>4-26</u>	Pipe Rot During Pumping	Yes No
Witnessed by <u>Westall</u>	Finished Bond Log	<u>1800</u>	<u>4-26</u>	Pipe Rot. After Plugdown	Yes No

SANTA FE	✓	
FILE	✓	✓
U.S.G.S.		
LAND OFFICE		
OPERATOR	✓	

RECEIVED BY
 NEW MEXICO CONSERVATION COMMISSION
SEP 30 1985
O. C. D.
 ARTESIA, CALIF.

Form C-103
 Supersedes Old
 C-102 and C-103
 Effective 1-1-85

5a. Indicate Type of Lease
 State Fee

5. State Oil & Gas Lease No.

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 - II" (FORM C-1011) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____ 2. Name of Operator Cities Service Oil and Gas Corporation ✓ 3. Address of Operator P.O. Box 1919 - Midland, Texas 79702 4. Location of Well UNIT LETTER <u>L</u> 1980 FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>West</u> LINE, SECTION <u>19</u> TOWNSHIP <u>22S</u> RANGE <u>27E</u> NMPM.	7. Unit Agreement Name 8. Farm or Lease Name Merland C 9. Well No. 2 10. Field and Pool, or Wildcat <i>Und.</i> Carlsbad-Delaware, South
15. Elevation (Show whether DF, RT, GR, etc.) 3165' GR	12. County Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <u>Running of production casing</u> <input checked="" type="checkbox"/>

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.

T.D. 4554' Sand & Shale. Waiting on a completion unit. Drilled a 7-7/8" hole from 610' to a T.D. of 4554' in Sand & Shale. Ran and set 113 jts.(4557.83') of 5-1/2" OD 14# casing @ 4553' and cemented w/650 sacks of Class C + 3% A3 + 6# salt + 0.25# Celloflake/sack + 250 sacks of Class C + 0.3% of 1% FL19 + 5# salt/sack cement. PD @ 1309 MDT on 9-25-85. XXXXXXXXXXXX
XXXXXXXXXXXX. PU BOP, set slips and CO casing. ND BOP.

NMOCD and City of Carlsbad notified but did not witness casing job.

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

SIGNED *Elmer Startz* TITLE Reg. Opr. Mgr. - Prod. DATE 9-26-85

APPROVED BY Les A. Clements TITLE _____ DATE SEP 30 1985

CONDITIONS OF APPROVAL, IF ANY: Supervisor District II

DISTRIBUTION		
SANTA FE	1	
FILE	1	
U.S.G.S.		
LAND OFFICE		
OPERATOR	2	

NEW MEXICO OIL CONSERVATION COMMISSION

AUG 2 1972

C-102 and C-103
Effective 1-1-65

O. C. C.
ARTESIA, OFFICE

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

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 C-101) FOR SUCH PROPOSALS.)

1. OIL WELL GAS WELL OTHER

2. Name of Operator
Corinne Grace

3. Address of Operator
P. O. Box 1418 Carlsbad, New Mexico

4. Location of Well
UNIT LETTER G 1980 FEET FROM THE North LINE AND 1980 FEET FROM East THE LINE, SECTION 24 TOWNSHIP 22 S RANGE 26E NMPM.

7. Unit Agreement Name

8. Farm or Lease Name
Go Po Go

9. Well No.
2

10. Field and Pool, or Wildcat
Undes. S. Carlsbad Morro;

15. Elevation (Show whether DF, RT, GR, etc.)
3162 GR

12. County
Eddy

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 REMEDIAL WORK ALTERING CASING

TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT

PULL OR ALTER CASING OTHER CASING TEST AND CEMENT JOB OTHER Progress Report

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.

Drilled from 3500' to 5334'. Ran D.S.T. and logged on 7/26/72.

7/27/72 RAN 45 JTS. OF 40# J-55 R-3 AND 93 JTS. OF 36# R-3 CASING AS FOLLOWS:

774.78' 40# on top
3249.76' 36# MIDDLE
1318.49' 40# BOTTOM

• SHOE & FLOAT COLLAR 34"
9' CUT OFF ON CASING T.D. 5334'
STARTED CEMENTING @ 4:50 p.m. GOOD RETURN OF CEMENT @ 6:32
CEMENTED W/1500 SX TRINITY LITE WT. W/1/4# FLO-SEAL PER SK.
400 SX CLASS "C"

PLUG DOWN @ 6:45 p.m. 7/27/72 CUT OFF CSG. & SET SLIPS ON 9 5/8"
O.C.C. 24 hours, tested casing @ 2,000# 30 min., test o.k.

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

APPROVED BY [Signature] TITLE Agent DATE 7/31/72

APPROVED BY W.A. Gressett TITLE OIL AND GAS INSPECTOR DATE AUG 9 1972

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	3
DISTRIBUTION	
SANTA FE	1
FILE	1 ✓
U.S.G.S.	
LAND OFFICE	
OPERATOR	1

RECEIVED

NEW MEXICO OIL CONSERVATION COMMISSION
FEB 19 1973

Form C-103
 Supersedes Old
 C-102 and C-103
 Effective 1-1-65

O. C. C.
ARTESIA, OFFICE

5a. Indicate Type of Lease
 State Fee

5. State Oil & Gas Lease No.
 7. Unit Agreement Name

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 C-101) FOR SUCH PROPOSALS.)

1. OIL WELL GAS WELL OTHER

2. Name of Operator
 Michael P. Grace II ✓

3. Address of Operator
 P. O. Box 1418 Carlsbad, New Mexico

4. Location of Well
 UNIT LETTER J 1980 FEET FROM THE South 1980 FEET FROM
East 24 22S 26E
 THE East LINE, SECTION 24 TOWNSHIP 22S RANGE 26E NMPM.

10. Field and Pool, or Wildcat
 Wildcat

15. Elevation (Show whether DF, RT, GR, etc.)
 3162GR

12. County
 Eddy

16. 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

REMEDIAL WORK

COMMENCE DRILLING OPNS.

CASING TEST AND CEMENT JOBS

OTHER

ALTERING CASING

PLUG AND ABANDONMENT

Progress Report

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.

2/14/73 Ran 50 jts. of 40#, 85 jts. of 36# and 3 jts. of 40# 9 5/8" J-55 8 rd. csg. to a depth of 5406' set @ 5396'. cemented with 1250 sks. of Halliburton Lt. Wt. cement followed w/400 sks Class C w/3# per sack gilsonite. Plug down. W. O. C. 26 1/2 hours. Test B.O.P. to 2000# O.K.

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

SIGNED [Signature] TITLE Agent DATE 2/16/73

APPROVED BY [Signature] TITLE OIL AND GAS INSPECTOR DATE FEB 19 1973

CONDITIONS OF APPROVAL, IF ANY:

1. # OF COPIES RECEIVED	5
DISTRIBUTION	
S. N. T. A. F. E.	1
FILE	1
U.S.G.S.	
LAND OFFICE	
OPERATOR	3

NEW MEXICO OIL CONSERVATION BOARD

Form C-101
Supersedes Old
C-102 and C-103
Effective 1-1-65

FEB 28 1974

O. C. C.

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

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 C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator D. L. Hannifin and Joe Don Cook ✓	8. Farm or Lease Name Merland
3. Address of Operator P.O. Box 945, Roswell, New Mexico 88201	9. Well No. One
4. Location of Well UNIT LETTER <u>J</u> <u>2030</u> FEET FROM THE <u>South</u> LINE AND <u>1846</u> FEET FROM <u>East</u> THE <u>24</u> LINE, SECTION <u>22 E</u> TOWNSHIP <u>26 S</u> RANGE <u>26 S</u> HMPM.	10. Field and Pool, or Wildcat Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) 3174 Gr	12. County Eddy

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

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	PLUS AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

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 1703.

Spud - 1-24-1974

85/8" casing - 20 lb per ft @375 ft with 250 sks
class "C" cement 2% calcium chloride
W.O.C. time was approximately 89 hrs. Pressured casing to 685 PSI.
Held for 35 min. test ok

5½" casing - 15.5 lbs per ft @4518 ft - see attached sheet
[redacted] ft W.O.C. time was approximately 156 hrs.
on the 5½" casing. Pressured Casing to 740 PSI. Held for 40 Min.
Test O.K.

Perforated 4 shots per ft - / 4454-56, and 4458 - 64
Washed 500 gallons mud acid.

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

SIGNED D. L. Hannifin TITLE Co-Operator DATE 2-28-74

APPROVED BY W. A. Gessett TITLE OIL AND GAS INSPECTOR DATE FEB 28 1974

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes 0114
C-102 and C-103
Effective 1-1-65

AUG 7 1975

O. C. C.
ARTESIA, OFFICE

SANTA FE	1	
FILE	1	✓
U.S.G.S.		
LAND OFFICE		
OPERATOR	1	

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

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 C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Corinne Grace ✓	8. Farm or Lease Name Zuklah Baby
3. Address of Operator P. O. Box 1413, Carlsbad, New Mexico	9. Well No. 1
4. Location of Well UNIT LETTER <u>G</u> <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE, SECTION <u>24</u> TOWNSHIP <u>22S</u> RANGE <u>26E</u> NMPM.	10. Field and Pool, or Wildcat Indes. So. Carlsbad Delaware
15. Elevation (Show whether DF, RT, GR, etc.)	12. County Eddy

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

PERFORM REMEDIAL WORK

TEMPORARILY ABANDON

PULL OR ALTER CASING

OTHER _____

PLUG AND ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

REMEDIAL WORK

COMMENCE DRILLING OPNS.

CASING TEST AND CEMENT JOB

OTHER tubing & Perfs

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.

Drilled to a depth of 4561'. Ran 135 jts. of 5 1/2" casing total (3 jts of 17# 5 1/2 on bottom and 1 jt. of 17# on top, 131 jts of 15.5# in middle) and set at a depth of 4561'. Halliburton cemented with 163 sacks Class C cement, 162 sks Formix A and 2' gel, w/16 sks salt. Plug down 7 a.m. 7/4/75. Pressured to 1000# o.k.
[redacted] bottom at 4510' and found [redacted]

Ran 4,407.10' of 2 3/8 OS hydrill 4.70% tubing hole. Perforated 4476 to 4494 and 4446 to 4460 w/2 spf. Moved Newsco on and pumped hole dry. Halliburton acidized w/1000 gal 10% HCl acid. Newsco pumped 50,000SCF N2 with injection rate of 300-500 S.C.F./min. Now stabbing salt water with slight show oil and gas.

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

SIGNED [Signature] TITLE _____ DATE _____

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE AUG 7 1975

CONDITIONS OF APPROVAL, IF ANY:

FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	<input checked="" type="checkbox"/>

JAN 15 1985
O. C. D.
ARTESIA, OFFICE

JAN 18 1985
O. C. D.
ARTESIA, OFFICE

5a. Indicate Type of Lease
State For
5. State Oil & Gas Lease No.

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 C-101) FOR SUCH PROPOSALS.

OIL WELL GAS WELL OTHER
1. Name of Operator: Ray Westall ✓
2. Address of Operator: P.O. Box 4 Loco Hills, NM 88255
3. Location of Well: UNIT LETTER 1, 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 24 TOWNSHIP 22S RANGE 26E NMPM.

7. Unit Agreement Name
8. Farm or Lease Name: Baseball Park
9. Well No.: 1
10. Field and Pool, or Wildcat: S. Carlsbad Delaware
12. County: Eddy

15. Elevation (Show whether DF, RT, GR, etc.)
3169. GR

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

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
FULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
		OTHER Spud, 8 5/8" csg, T.D., 51" csg. <input type="checkbox"/>	

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 1703.

- 12-15-84 Spud 12 1/4" hole @ 5:00 P.M.
- 12-16-84 Ran 10 jts. 8 5/8" csg, J-55 24#, 421', set & cemented @ 418' w/250 sxs Class "C" 2% CaCl₂. Circulated 25 sxs to pit. Plug down @ 10:00 A.M. WOC 18 hrs. Pressured up 1,000 PSI for 30 min. Held.
- 12-30-84 T.D. 4950'
- 12-31-84 Ran 118 jts. 5 1/2" J-55, 17# csg, 4974' set & cemented @ 4950' w/800 sxs Pacesetter Lite + 8# sk salt, tall in w/800 sxs Class "C" + .6% CF-1 + .2% AFS + 5# sk salt. Plug down @ 10:00 P.M. ~~Circulated 50 sxs to pit.~~ WOC 18 hr. press. test 1000 psi, 30 min, hold.

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

SIGNED Ray Westall TITLE Operator DATE 1-14-85

APPROVED BY _____ TITLE ORIGINAL SIGNED BY LARRY BROOKS DATE FEB 18 1984
CONDITIONS OF APPROVAL, IF ANY: GEOLOGIST - NMUCD

DISTRIBUTION		
SANTA FE	<input checked="" type="checkbox"/>	
FILE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
U.S.G.S.		
LAND OFFICE		
OPERATOR	<input checked="" type="checkbox"/>	

RECEIVED BY O. BOX 2088
 SANTA FE, NEW MEXICO 87501
 APR 18 1985
 O. C. D.
 ARTESIAN

Form C-103
 Revised 10-1-79

3a. Indicate Type of Lease
 State Farm
 5. State Oil & Gas Lease No.

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 C-101) FOR SUCH PROPOSALS.)

OIL WELL GAS WELL OTHER
 1. Name of Operator
Ray Westall
 2. Address of Operator
P.O. Box 4 Loco Hills, New Mexico 88255
 3. Location of Well
 UNIT LETTER P 990 FEET FROM THE South LINE AND 660 FEET FROM
 THE East LINE, SECTION 24 TOWNSHIP 22S RANGE 26E N.M.P.M.

7. Unit Agreement Name
 8. Farm or Lease Name
Baseball Park
 9. Well No.
2
 10. Field and Pool, or Wildcat
 12. County
Eddy

15. Elevation (Show whether DF, RT, GR, etc.)
3168. GR

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

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	
		OTHER <u>Spud, 8 5/8, TD, 5 1/2</u>	

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.

4-2-85 Spud 12 1/4" hole @ 10:45 P.M.

4-3-85 Ran 400' 8 5/8" csg. Cemented @ 412' w/250 sxs Class "C" 2% CaCl. Circulated 25 sxs to surface. WOC 18 hrs. Pressured up 800# for 30 min. Held O.K.

4-12-85 T.D. 4600'. Ran 110 jts. 4632.93' of 5 1/2" csg. Cemented @ 4600' w/700 sxs Pacesetter Lite 8# sx salt, 900 sxs Class "C" w/6% CF-1 + 2% AF-S + 5# sx salt. Plug down @ 3:15 P.M. WOC 24 hrs.

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

NEE Ray Westall TITLE Operator DATE 4-17-85
 APPROVED BY Original Signed By Les A. Clements TITLE Supervisor District II DATE MAY 1 1985
 CONDITIONS OF APPROVAL, IF ANY:

DISTRIBUTION		
SANTA FE	<input checked="" type="checkbox"/>	
FILE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
U.S.O.B.		
LAND OFFICE		
OPERATOR	<input checked="" type="checkbox"/>	

RECEIVED BY BO 2088
 SANTA FE, NEW MEXICO 87501
 MAY 02 1986
 O. C. D.
 ARTESIA, OFFICE

Form C-103
 Revised 10-1-78

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 C-101) FOR SUCH PROPOSALS.)

50. Indicate Type of Lease
 State Fee
 51. State Oil & Gas Lease No.

1. OIL WELL GAS WELL OTHER

2. Name of Operator: Ray Westall ✓

3. Address of Operator: P.O. Box 4 Loco Hills, New Mexico 88255

4. Location of Well
 UNIT LETTER K 2104 FEET FROM THE South LINE AND 2218 FEET FROM
 THE West LINE, SECTION 24 TOWNSHIP 22S RANGE 26E N.M.P.M.

7. Unit Agreement Name
 8. Farm or Lease Name: Baseball Park
 9. Well No.: 3
 10. Field and Pool, or Wildcat: Und. S. Carlsbad Delaware

15. Elevation (Show whether DF, RT, GR, etc.): 3177. GR
 12. County: Eddy

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

OTHER: Spud, 8 5/8", TD, 5 1/2"

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.

- 4-14-86 Spud 12 1/4" hole @ 8:00 P.M.
- 4-15-86 Ran 13 jts. 412' of 8 5/8" 24# J-55 casing. Cemented @ 425' w/250 sxs Class "C" 2% CaCl, 1/4# Cello-seal-did not circulate. Redi-mix w/2 yds. cement. Plug down 11:30 A.M. WOC & redi-mix. Nipple up BOP & test, 1000 # for 30 min, hold 18 hr.
- 4-23-86 T.D. 4520'. Ran 110 jts. 4538.53' 17# 5 1/2" casing. Set & cemented @ 4520' w/590 sxs P.S. Lite "C", 8# salt + 4# sx Hiseal, 2% AFS, 335 sxs 50-50 Poz C + 5# salt 1/4# sx Cello-seal. Plug down @ 2:55 P.M. 4-24-86

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

SIGNED Ray Westall TITLE Operator DATE 4-30-86

APPROVED BY Mike Williams TITLE Oil & Gas Inspector DATE MAY 9 1986

CONDITIONS OF APPROVAL, IF ANY:

DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>
U.S.O.S.	
LAND OFFICE	
OPERATOR	

O. BOX 2088
SANTA FE, NEW MEXICO 87501

RECEIVED BY TA FE

MAY 12 1986

O. C. D.

Form C-103
Revised 10-1-78

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO UNPLUG OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

<p>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>Name of Operator: <u>Ray Westall</u> ✓</p> <p>Address of Operator: <u>P.O. Box 4 Loco Hills, New Mexico 88255</u></p> <p>Location of Well: <u>H</u> <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>660</u> FEET FROM THE <u>East</u> LINE, SECTION <u>24</u> TOWNSHIP <u>22S</u> RANGE <u>26E</u> NMPM.</p> <p>15. Elevation (Show whether DF, RT, GR, etc.) <u>3150. GR</u></p>	<p>5a. Indicate Type of Lease State <input type="checkbox"/> Fed <input checked="" type="checkbox"/></p> <p>5. State Oil & Gas Lease No. _____</p> <p>7. Unit Agreement Name _____</p> <p>8. Farm or Lease Name <u>Baseball Park</u></p> <p>9. Well No. <u>4</u></p> <p>10. Field and Pool, or Wildcat <u>Und. S. Carlsbad Delaware</u></p> <p>12. County <u>Eddy</u></p>
--	--

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

<p>NOTICE OF INTENTION TO:</p> <p>PERFORM REMEDIAL WORK <input type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/></p> <p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>OTHER _____ <input type="checkbox"/></p> <p>PLUG AND ABANDON <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p>	<p>SUBSEQUENT REPORT OF:</p> <p>REMEDIAL WORK <input type="checkbox"/></p> <p>COMMENCE DRILLING OPNS. <input type="checkbox"/></p> <p>CASING TEST AND CEMENT JOBS <input type="checkbox"/></p> <p>OTHER <u>Spud, 8 5/8", T.D., 5 1/2"</u> <input type="checkbox"/></p> <p>ALTERING CASING <input type="checkbox"/></p> <p>PLUG AND ABANDONMENT <input type="checkbox"/></p>
--	--

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.

- 4-25-86 Spud 12 1/4" hole @ 4:15 P.M.
- 4-26-86 Ran 14 jts. 422.31' of 8 5/8" 24# J-55 casing. Cemented @ 434' w/250 sxs Class "C" 2% CaCl. Circulated 25 sxs cement. Plug down @ 5:15 A.M. WOC 18 hrs. Pressured up 800# for 30 min. Held.
- 5-04-86 T.D. 4600'.
- 5-05-86 Ran 111 jts. 5 1/2" 17# J-55 casing, 4622.77'. Set & cemented @ 4600' w/350 sxs Nal. Lite 1/4# Floseal, 300 sxs 50/50 Poz "C" 6# salt, 1/4# Floseal, 3/10% Nalad 4, 750 gal. Flocheck 21. Plug down @ 4:00 P.M. 5-5-86.

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

SIGNED Ray Westall TITLE Operator DATE 5-9-86

APPROVED BY Mike Williams TITLE Oil & Gas Inspector DATE MAY 22 1986

CONDITIONS OF APPROVAL, IF ANY:

U.S. GEOLOGICAL SURVEY
DISTRICT OFFICE
OPERATOR

SEP 4 1979

O. C. C.
ARTESIA OFFICE

5a. Indicate Type of Lease
 State Fee

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Name of Lease Block
MERLAND

9. Well No.
#1

10. Field and Pool, or Well, at
S. CARLSBAD-DELAWARE

12. County
EDDY

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR OPERATIONS TO DRILL OR TO REOPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT TO DRILL OPERATIONS WITH THIS FORM.)

OIL WELL GAS WELL OTHER

Name of Operator
JOE DON COOK

Address of Operator
P.O. BOX 159, ROSWELL, NEW MEXICO 88201

Location of Well
 UNIT LETTER **0** **990** FEET FROM THE **SOUTH** LINE AND **1870** FEET FROM
 THE **EAST** LINE, SECTION **24** TOWNSHIP **22-S** RANGE **26-E** NMPM.

15. Elevation (Show whether DF, KT, GR, etc.)
3181

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PERMANENTLY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	OTHER <input type="checkbox"/>	<input type="checkbox"/>

16. Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting, only if proposed.) SEE FORM C 1103.

RIGGING DOWN, RAN 4527 ft. 5½ CASING-SET AT 4527 ft. CEMENTED WITH 300 SACKS-HALLIBURTON LITE AND 200 SACKS 50-50 POZ. PLUG DOWN AT 8:30 a.m. 8-26-79. TOC @ 1420 Bond Log

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

Joe Don Cook

TITLE OPERATOR

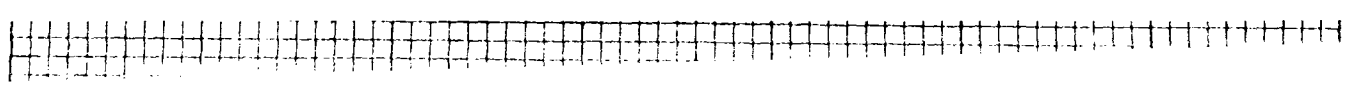
DATE 8-31-79

BY *W. A. Gussert*

TITLE SUPERVISOR, DISTRICT II

DATE NOV 9 1979

COPIES OF APPROVAL, IF ANY:





DOWELL DIVISION OF DOW CHEMICAL U.S.A.
An Operating Unit of The Dow Chemical Company

LABORATORY LOCATION

API WATER ANALYSIS REPORT FORM

DATE

LAB NO.

Company <i>Ray Westfall</i>		Sample No.		Date Sampled <i>9-15-87</i>	
Field <i>S. Cabelsbad Delaware</i>		Legal Description <i>D-24-223-26E</i>		County or Parish <i>Eddy</i>	
Lease or Unit <i>Base Ball Park</i>		Well <i>Z</i>		Depth	
Type of Water (Produced, Supply, etc.) <i>Produced</i>		Sampling Point <i>Well Head</i>		Formation <i>Birney Cr.</i>	
				Water, B/D <i>NM</i>	
				Sampled By <i>G.K.</i>	

DISSOLVED SOLIDS

OTHER PROPERTIES

CATIONS

	mg/L	me/L
Sodium, Na (calc.)	<i>78,944</i>	
Calcium, Ca	<i>21000</i>	
Magnesium, Mg	<i>13500</i>	
Barium, Ba		

pH

Specific Gravity, 60/60 F.

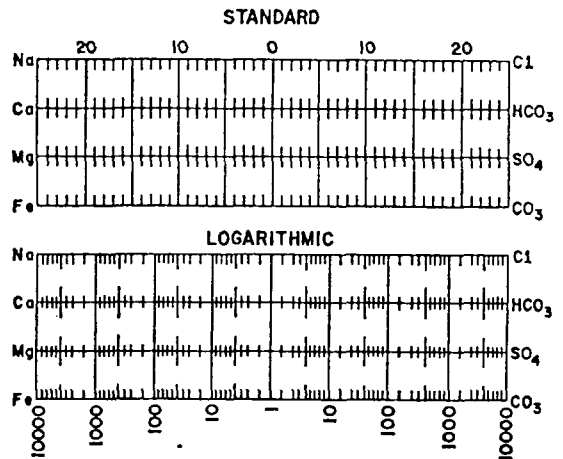
Resistivity (ohm-meters) *72 F.*

6.75
1.170
0.60

ANIONS

Chloride, Cl	<i>198,650</i>	
Sulfate, SO ₄	<i>250</i>	
Carbonate, CO ₃		
Bicarbonate, HCO ₃	<i>1500</i>	

WATER PATTERNS — me/L



Total Dissolved Solids (calc.)

Iron, Fe (total)

Sulfide, as H₂S

710

REMARKS & RECOMMENDATIONS:

HALLIBURTON DIVISION LABORATORY

HALLIBURTON SERVICES

MIDLAND DIVISION

ARTESIA, NEW MEXICO 88210

LABORATORY WATER ANALYSIS

No. _____

To RANDALL HARRIS

Date 9/15/87

439 W. FUNK RD

LUKE ARTHUR WAIN

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

Submitted by RANDALL HARRIS

Date Rec. 9/15/87

Well No. RAY WESFALL
BASEBALL PARK #2 Depth 4230

Formation BRUSHY CANYON

County Eddy

Field S. Carlsbad Paleovina

Source WELL HEAD

Resistivity053 @ 60

Specific Gravity 1.116 @ 60

pH 6.8

Calcium (Ca) 28,831 *MP/L

Magnesium (Mg) 14,000

Chlorides (Cl) 153,000

Sulfates (SO₄) Lite

Bicarbonates (HCO₃) 150

Soluble Iron (Fe) Lite

Remarks:

*Milligrams per liter

[Signature]
Respectfully submitted,

Analyst: _____
cc: _____

HALLIBURTON COMPANY

NOTICE

This report is limited to the described sample tested. Any user of this report agrees that Halliburton shall not be held responsible for any loss or damage resulting therefrom.

Dresser/Alfas *BHC* *Acoustilog*

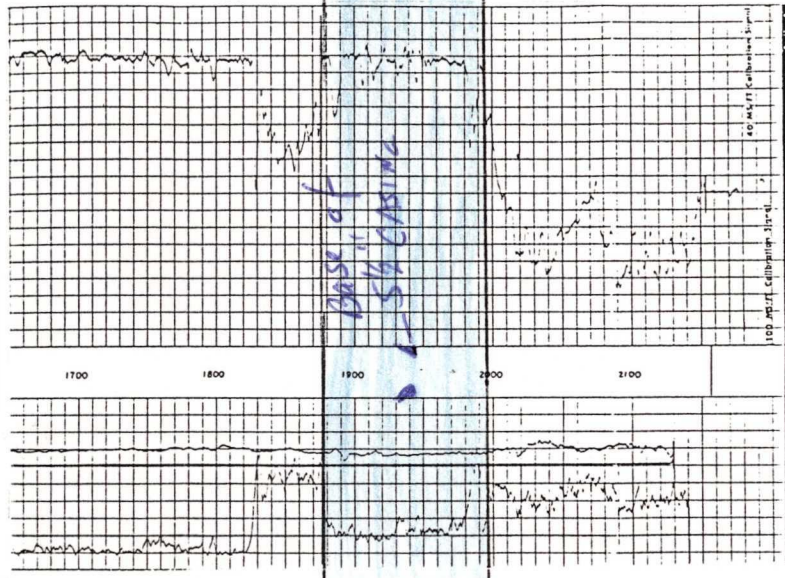
COMPANY: **CORLINE STREET**
 WELL NO.: **NO. 1 BRINE SHIPY WEL (SALTY BILL)**
 FIELD: **SOUTH CARLSBRO**
 COUNTY: **EDDY** STATE: **NEW MEXICO**
 LOCATION: **1960 W 560' FNL & 2925' FEEL**
 H.C. **36** TWP. **22.5** R. **26-E**

Permanent Drive: **6-17-71** REC'D BY: **RECEIVED**
 Log Measured from: **0.0** to: **68** ft. Above Permanent Drive
 Running Interval: **0.5** ft. Above Permanent Drive

Date: **6-17-71**
 Driller: **BOB**
 Log: **3155**
 Survey: **2153**
 Station: **1960 W 560' FNL & 2925' FEEL**
 Log: **3155**
 Survey: **2153**
 Station: **1960 W 560' FNL & 2925' FEEL**

Drains and Viscosities:
 10.8 1.35
 11.1 1.45
 10.6 1.35
 11.1 1.45
 10.6 1.35
 11.1 1.45
 10.6 1.35
 11.1 1.45
 10.6 1.35
 11.1 1.45

Received By: **BOB WOBBS**
 Date: **6/17/71**



GRACE SALTY BILL
 DISPOSAL WELL

Dresser/Alfas *Sidewall Neutron* *Gamma Ray*

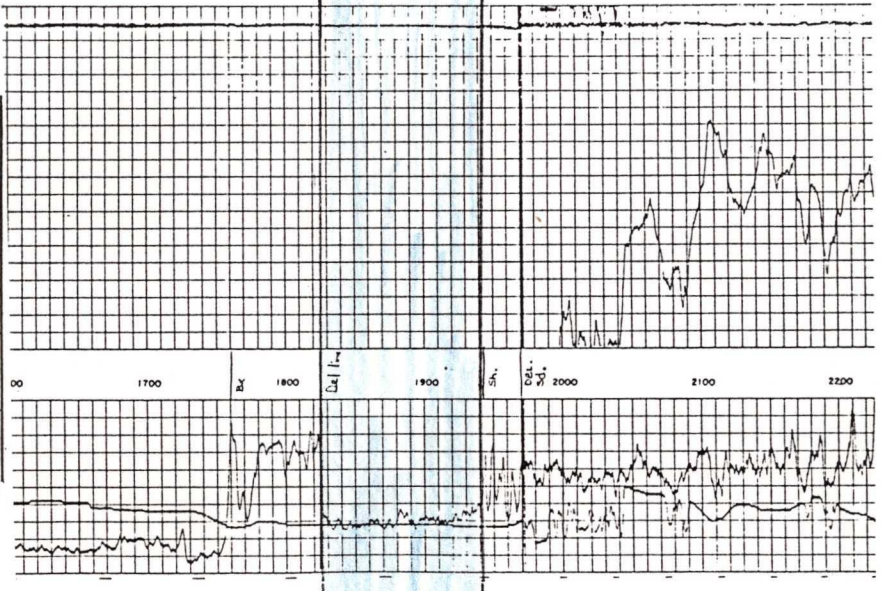
COMPANY: **JEC DINK COOK**
 WELL: **MC RLAND NO. 1**
 FIELD: **SOUTH CARLSBRO**
 COUNTY: **EDDY** STATE: **NEW MEXICO**
 LOCATION: **590' FSL & 1870' FEEL**
 H.C. **24** TWP. **22.5** R. **26-E**

Permanent Drive: **6-25-72** REC'D BY: **RECEIVED**
 Log Measured from: **0.0** to: **3181** ft. Above Permanent Drive
 Running Interval: **0.5** ft. Above Permanent Drive

Date: **6-25-72**
 Driller: **BOB**
 Log: **3181**
 Survey: **3181**
 Station: **590' FSL & 1870' FEEL**

Drains and Viscosities:
 10.8 1.35
 11.1 1.45
 10.6 1.35
 11.1 1.45
 10.6 1.35
 11.1 1.45
 10.6 1.35
 11.1 1.45
 10.6 1.35
 11.1 1.45

Received By: **BOB WOBBS**
 Date: **6/25/72**



Dresser/Alfas *CONSIDER* *HEURIN* *OTTA RAY*

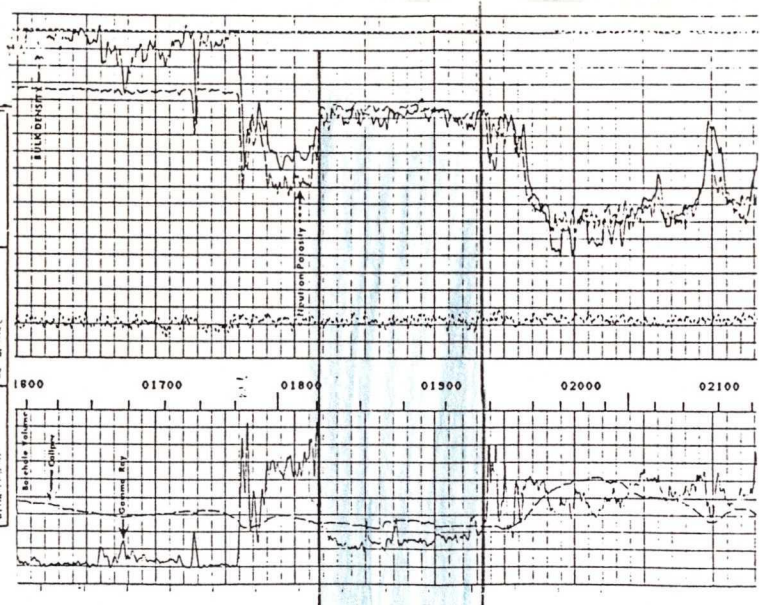
COMPANY: **RAY H. SMITH**
 WELL: **OTTA RAY NO. 2**
 FIELD: **S. CARLSBRO**
 COUNTY: **EDDY** STATE: **N.M.**
 LOCATION: **590' FSL & 1870' FEEL**
 H.C. **24** TWP. **22.5** R. **26-E**

Permanent Drive: **6-25-72** REC'D BY: **RECEIVED**
 Log Measured from: **0.0** to: **3181** ft. Above Permanent Drive
 Running Interval: **0.5** ft. Above Permanent Drive

Date: **6-25-72**
 Driller: **BOB**
 Log: **3181**
 Survey: **3181**
 Station: **590' FSL & 1870' FEEL**

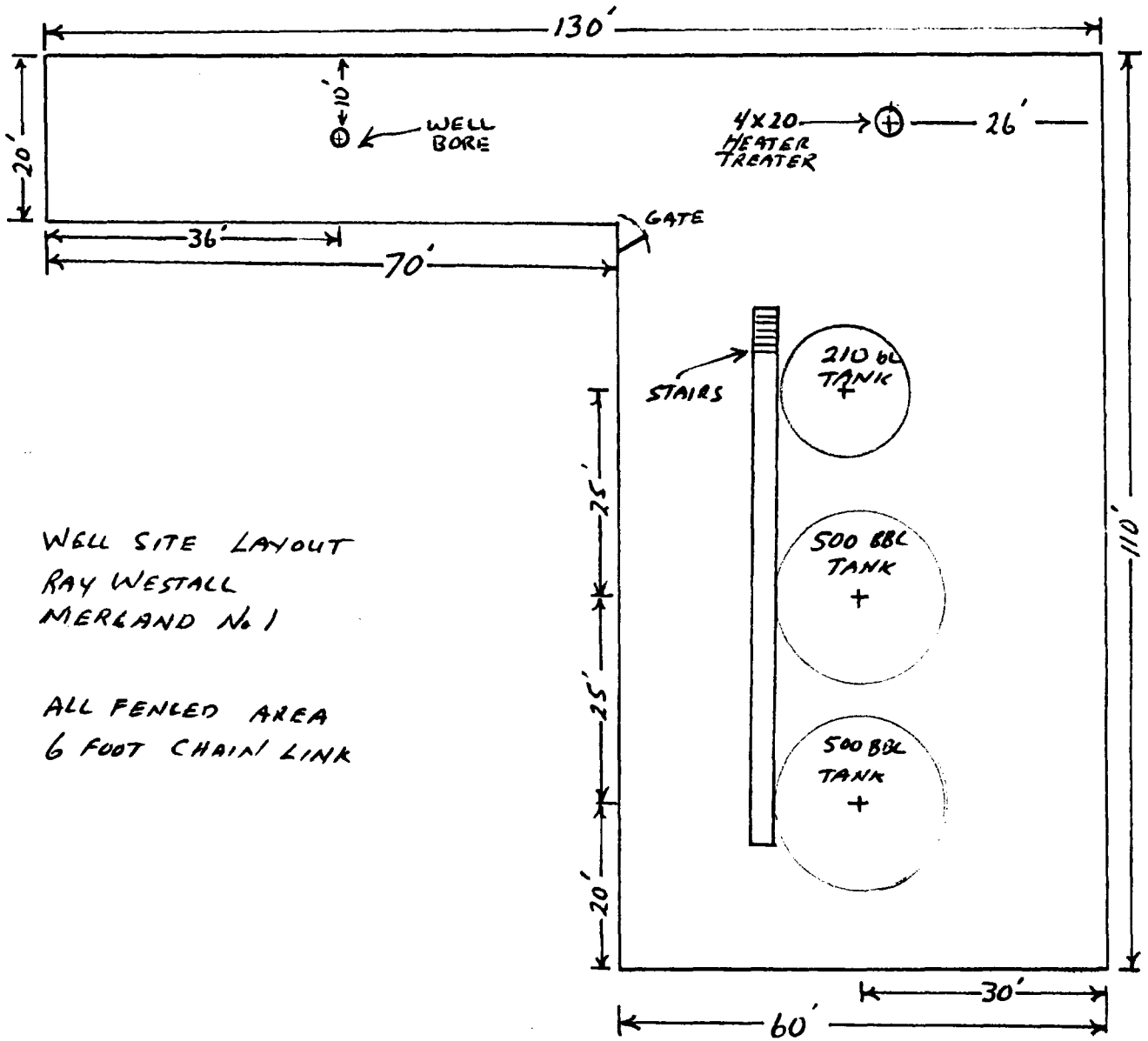
Drains and Viscosities:
 10.8 1.35
 11.1 1.45
 10.6 1.35
 11.1 1.45
 10.6 1.35
 11.1 1.45
 10.6 1.35
 11.1 1.45
 10.6 1.35
 11.1 1.45

Received By: **BOB WOBBS**
 Date: **6/25/72**



5

NORTH



WEST

WELL SITE LAYOUT
RAY WESTALL
MERLAND No 1

ALL FENCED AREA
6 FOOT CHAIN LINK

EAST

SOUTH



E.N.O. 8271

HOBBS
FILE

COMPANY JOE BON COOK Ray Westall
 WELL MERLAND NO. 1
 FIELD SOUTH CARLSBAD
 COUNTY EDDY STATE NEW MEXICO
 LOCATION: 990' FSL & 1870' FEL
 SEC 24 TWP 22-S RGE 26-E

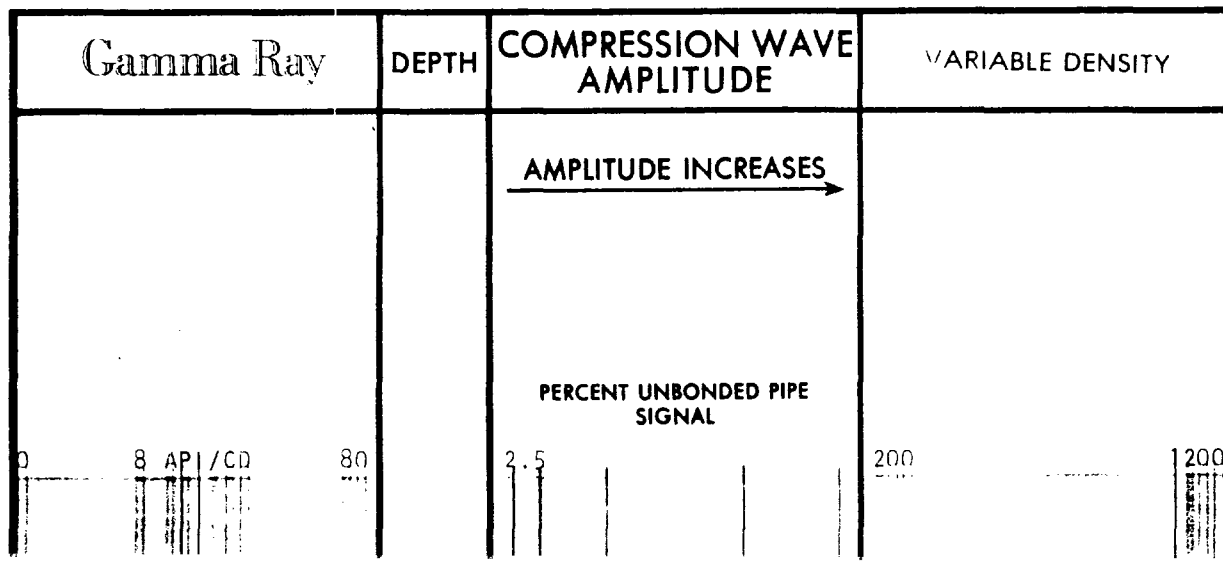
Permanent Datum GROUND LEVEL Elev. 3181
 g Measured from K. B. 8 Ft. Above Permanent Datum
 Logging Measured from K. B. KB 3189
 DF 3181
 GL 3181

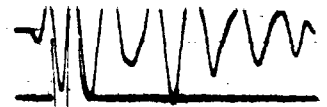
Log No.	8-30-79	CSG. RECORD	Surface	Protection	Production	Liner
Log No.	ONE	Size	8 5/8	5 1/2		
p/h-Driller	4527	Wt./Ft.				
p/h-Logger	4480	Grade				
Item Logged Int.	4474	Type Joint				
p. Logged Int.	1050	Top	SURF.	SURF.		
Measured	3424	Bottom	413	T.D.		
pe Fluid in Csg.			PRIMARY CEMENTING DATA			
pe Fluid in Csg.			PRIMARY CEMENTING DATA			
nsity of Fluid		Type Cement				
id Level	FULL	Vol. of Cement				
ra. Temp. Deg. F.		Additive				
ol Series No.	1408M	% Additive				
ol Diam.	3 5/8	Retarder				
ndoff Size	CENT.	% Retarder				
gging Speed	30	Slurry Wt.				
A Log Type	G/R	Water Loss				
ns. Setting	2	Orig. Mud Type				
l Unit/Div.	408	Drig. Mud Wt.				
uck or Unit No.	6190	PRIMARY CEMENTING PROCEDURE				
calation	HOBBS	Started Pumping				
or Rig Time	3 HOURS	Plug on Bottom				
orded by	BOGGS	Pres. Released				
lpressed by	WESTALL	Started Bond Log				
		Finished Bond Log				

CONFIDENTIAL
DO NOT RELEASE

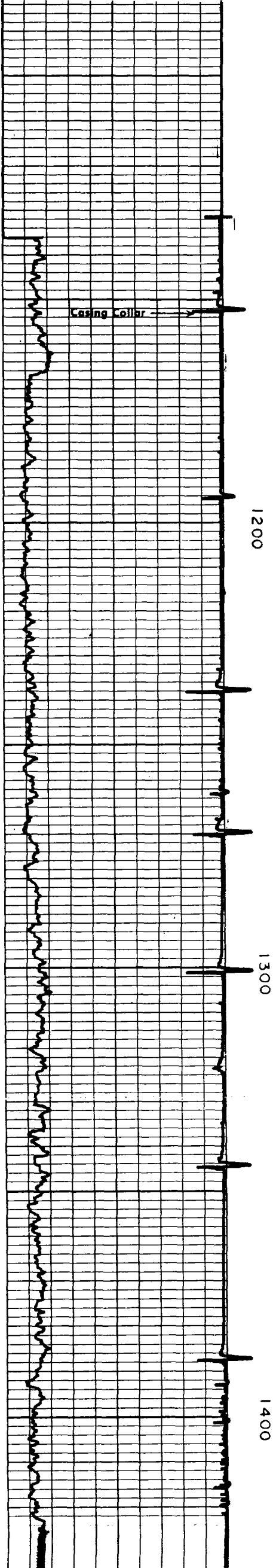
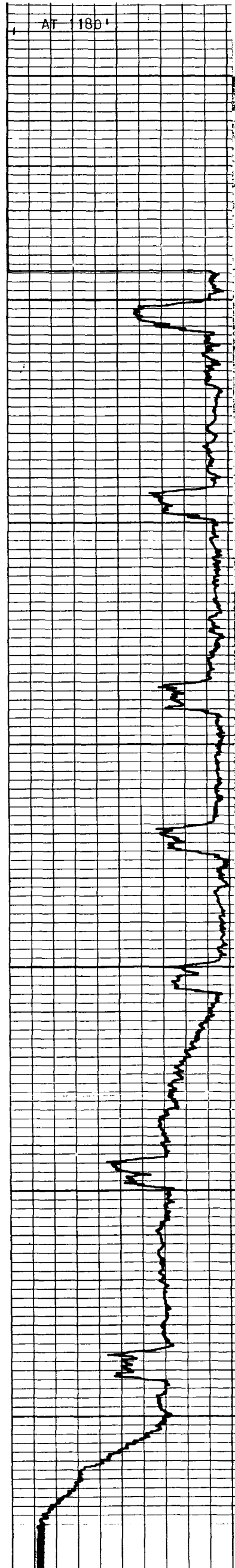
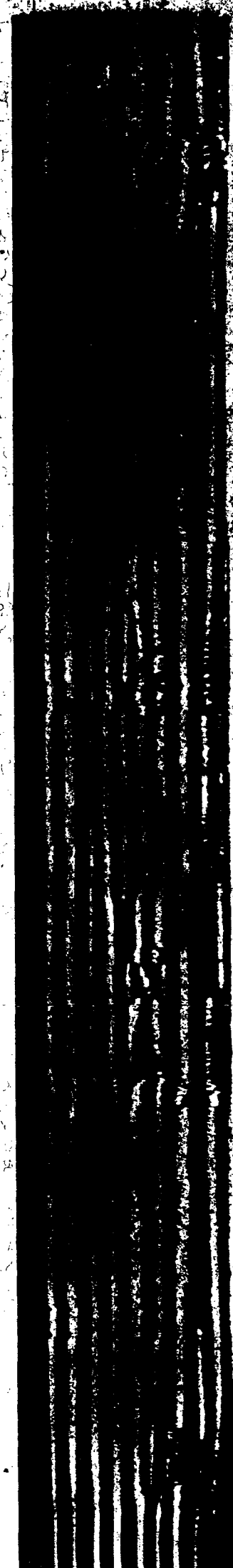
REMARKS RESET +7' TO D. A. LOG DATED 8-25-79
 CALIBRATED AT 1180'
 CBL GAIN 74
 SEN 182
 GATE 492
 GR TOOL #29393
 1408 NO NUMBER
 PANEL #30538

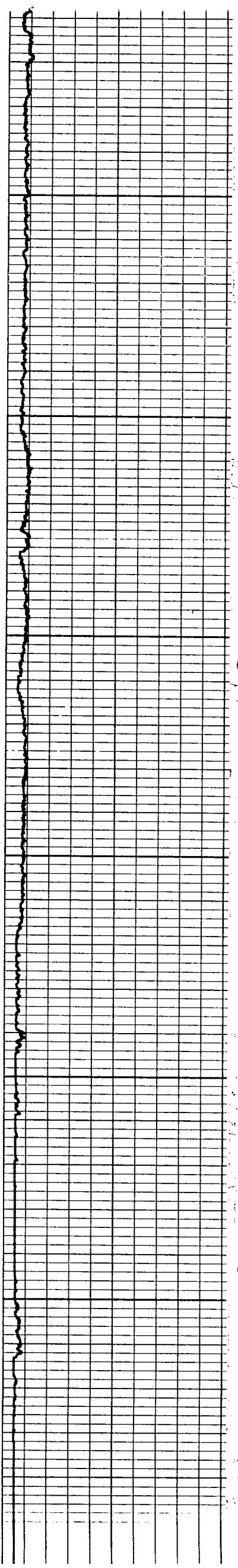
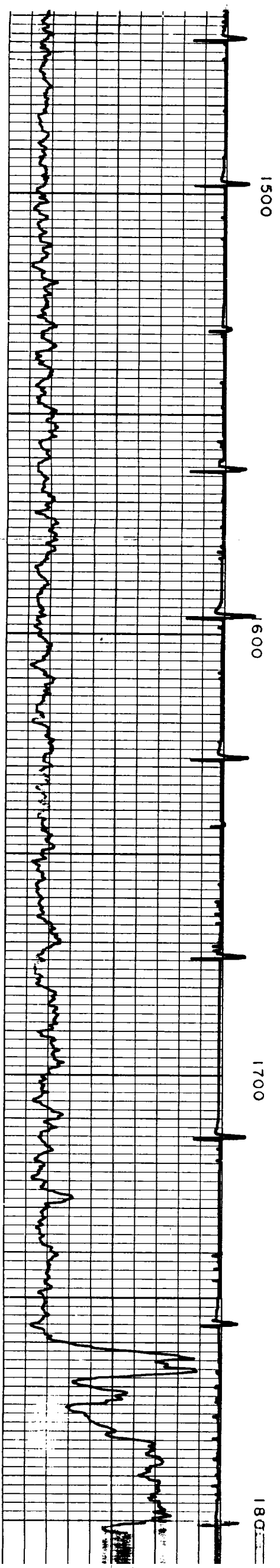
SQUEEZE JOB DETAIL				Centralizer Depths	Scratcher Depths
Squeeze No.	1	2	3		
Date					
Depth Interval					
Type Cement					
Vol. of Cement					
Additive					
% Additive					
Retarder					
% Retarder					
Slurry Wt.					
Preceding Fluid					
Vol. Preceding Fluid					
Breakdown Pressure					
Max. Pres. - Stage 1					
" " " 2					
" " " 3					
Final Max. Pressure					
Time Bkdn. (hr.-date)					
Pumping Stopped					
Pres. Released					
Started Bond Log					
Finished Bond Log					
Pressure read at: Surface _____ Bottom Hole _____					
SEQUENCE OF CEMENT BOND LOGS			AVERAGE WELL DRIFT		
Log run following:	CBL Run	CBL Run	_____ ° from _____ to _____		
Surface Casing Cement		Squeeze No. 1	_____ ° from _____ to _____		
Protection Casing Cement		Squeeze No. 2	_____ ° from _____ to _____		
Production Casing Cement		Squeeze No. 3	_____ ° from _____ to _____		
Liner Cement		Squeeze No. 4			

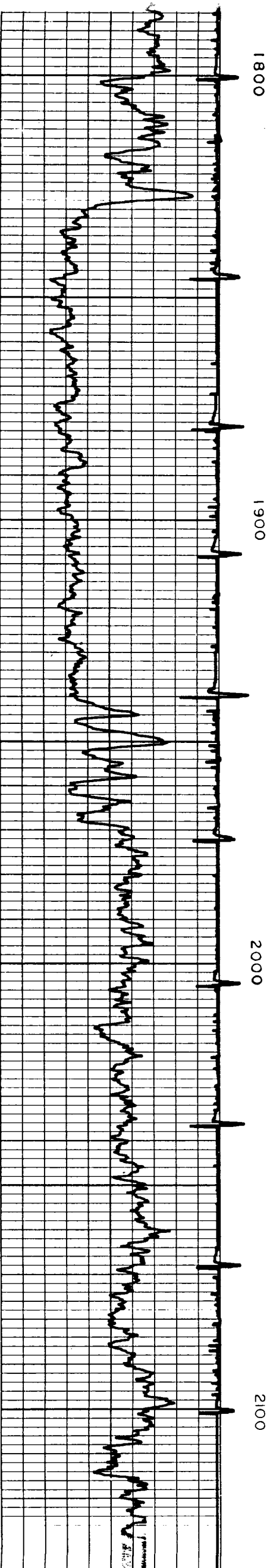
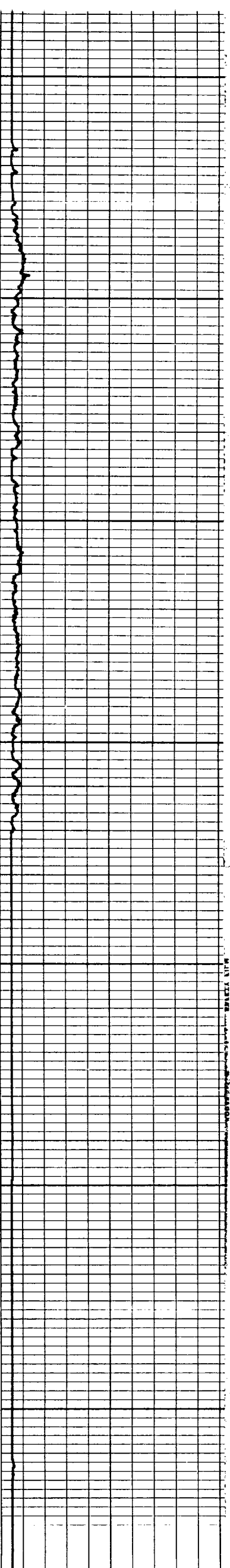
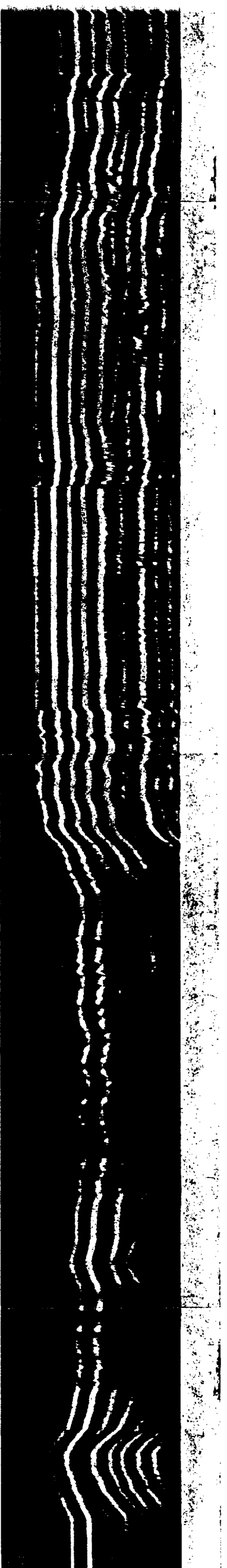


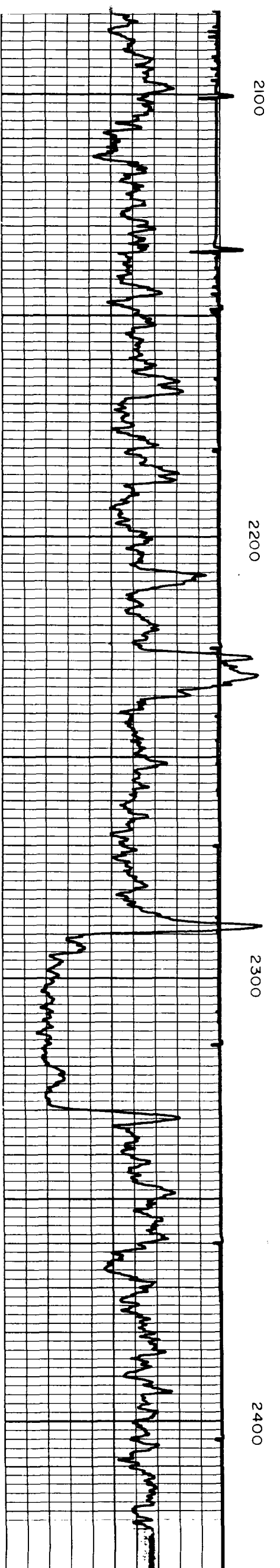
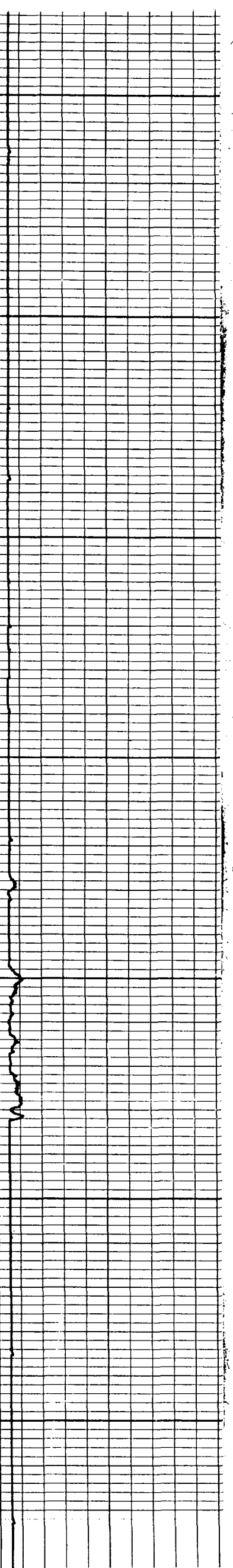


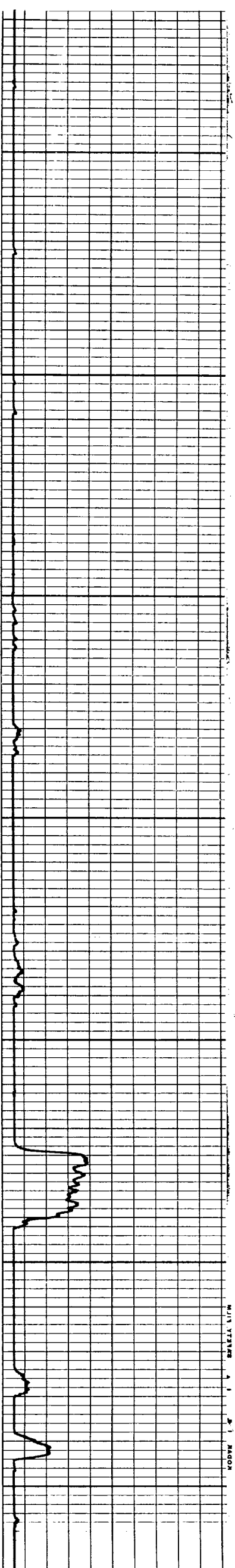
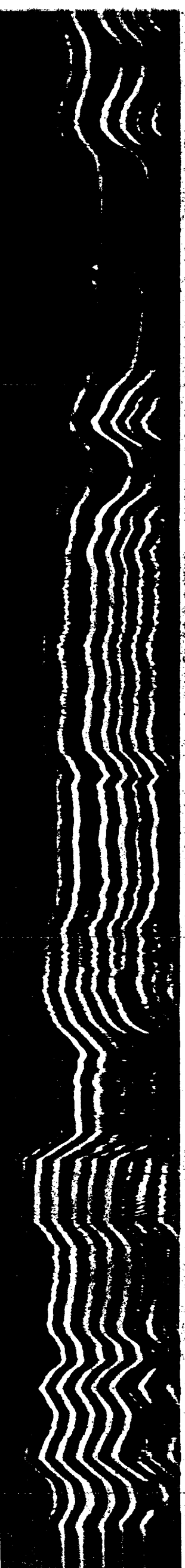
AT 180'









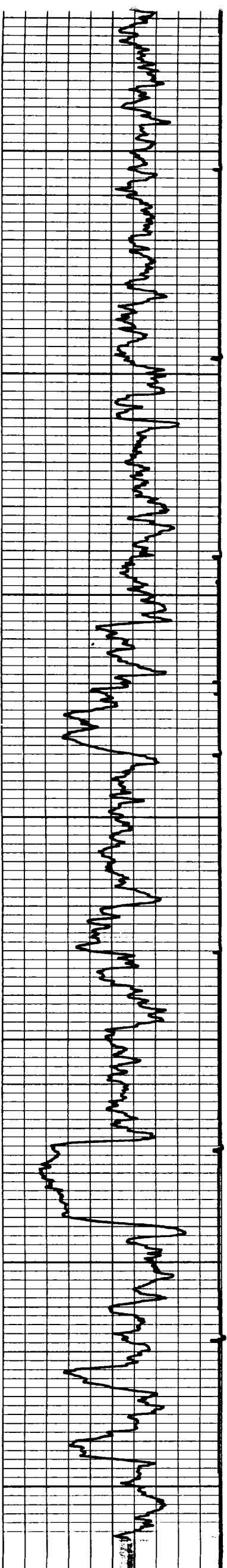


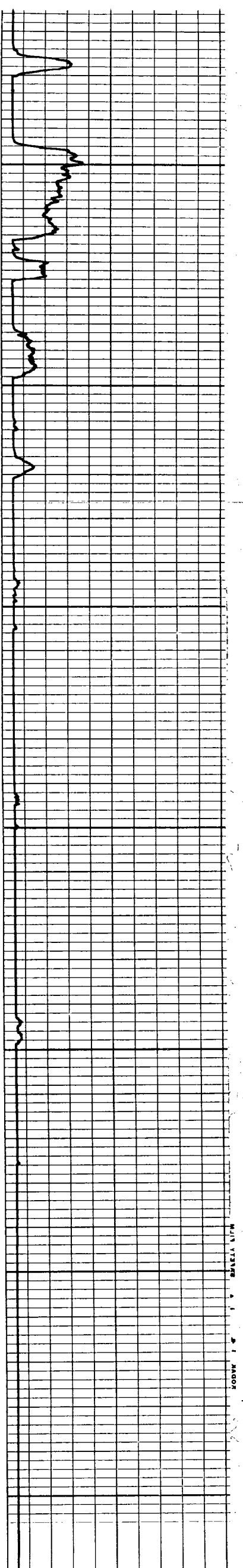
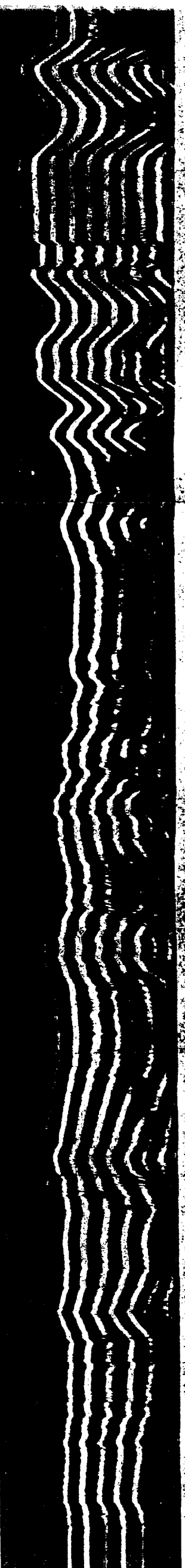
2400

2500

2600

2700

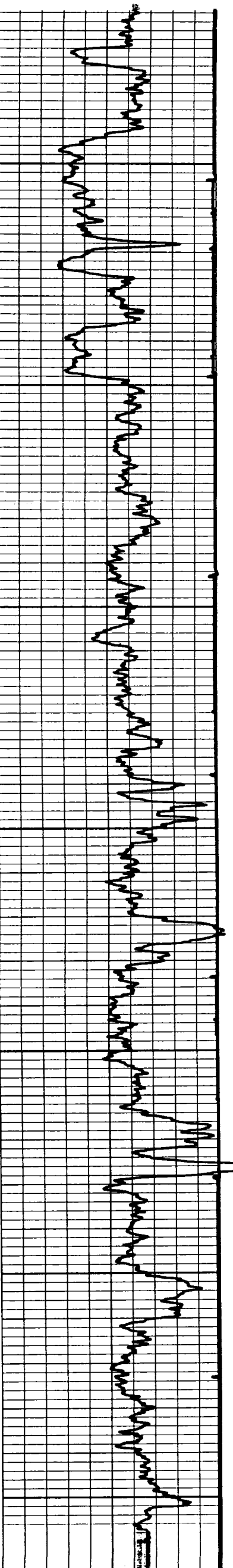


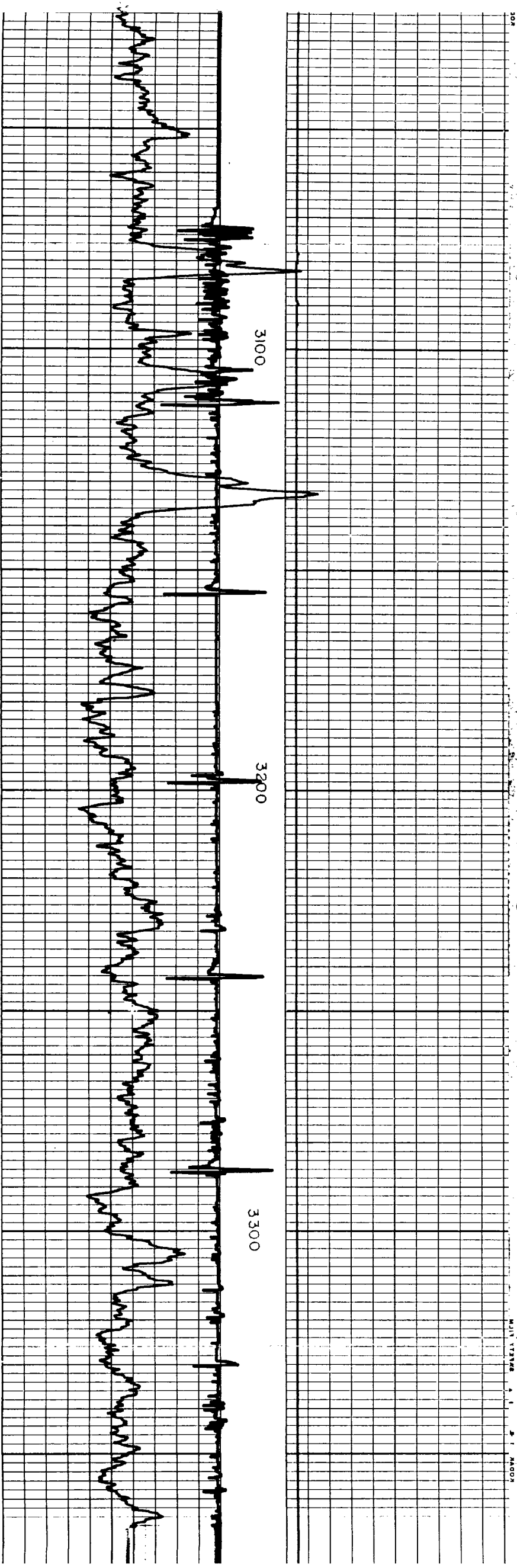
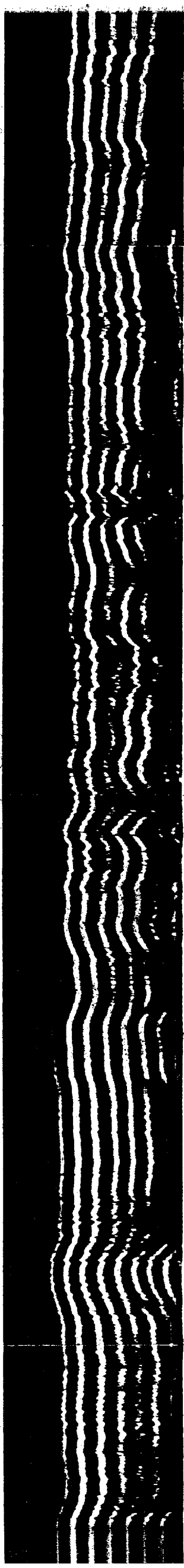


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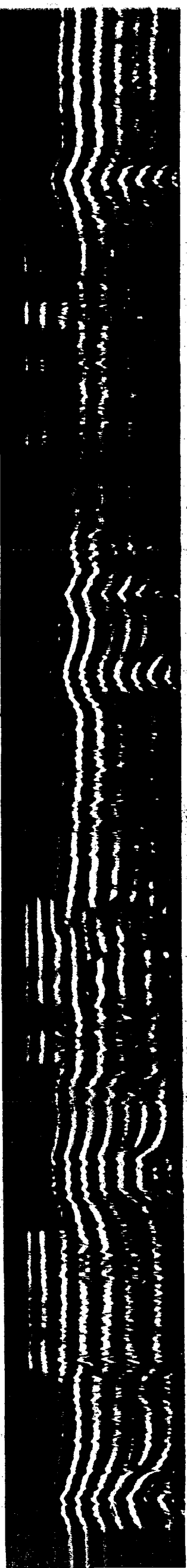
2900

3000

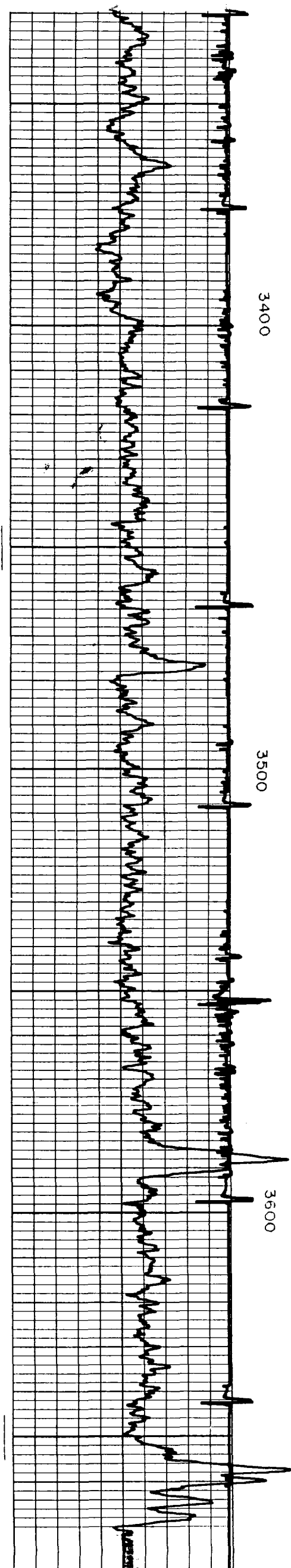
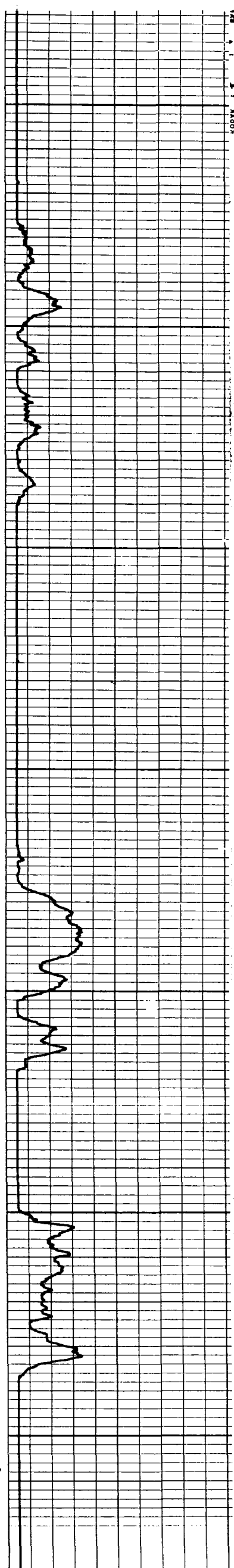


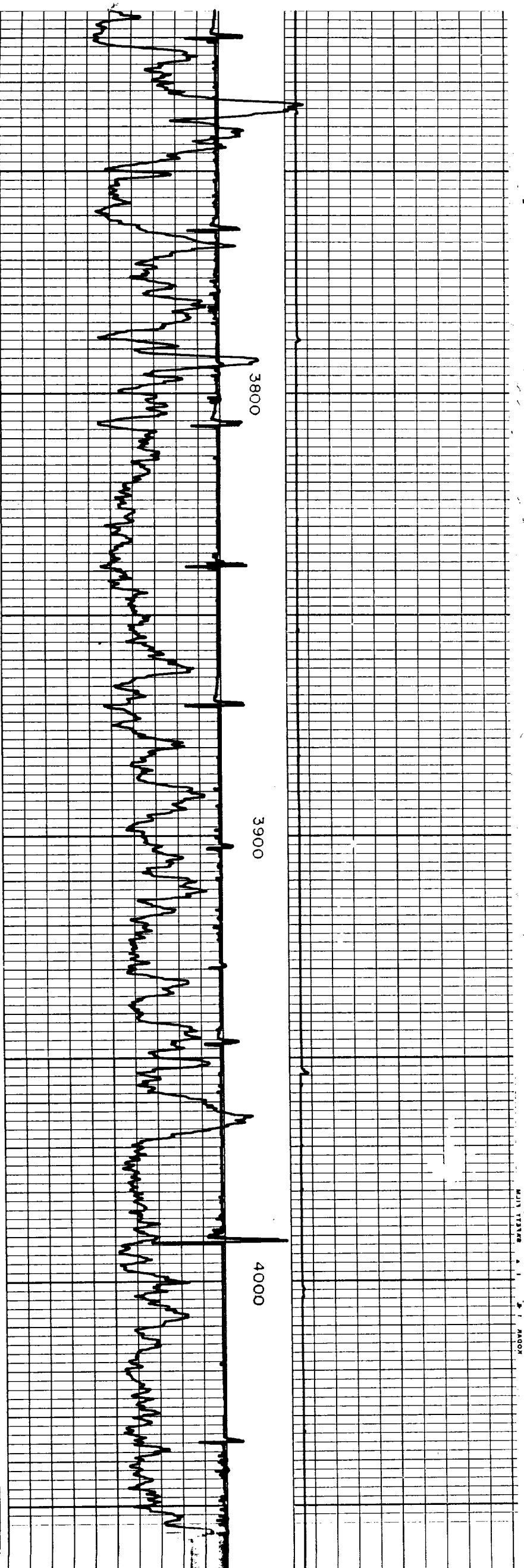
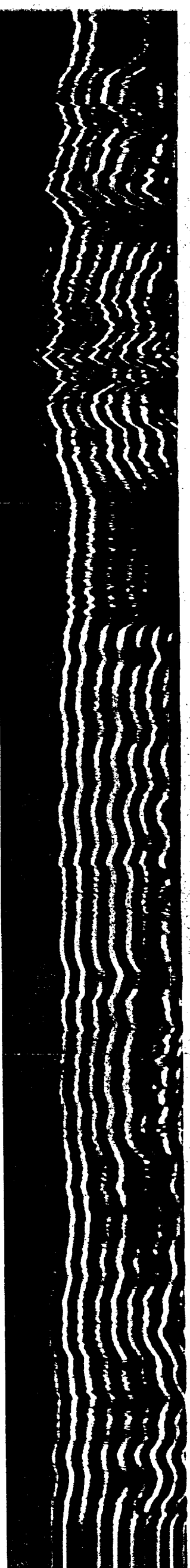


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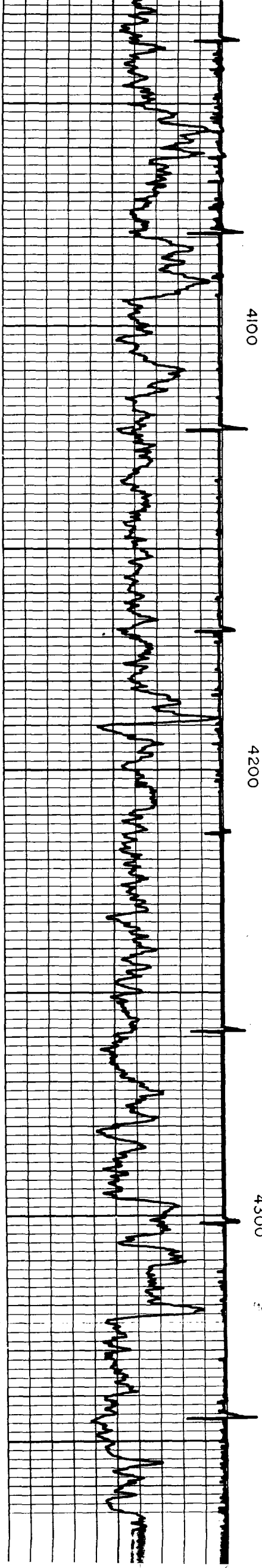
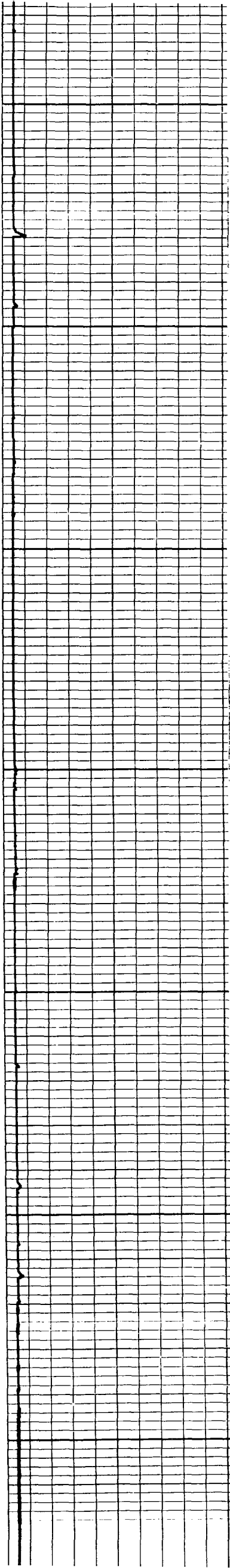


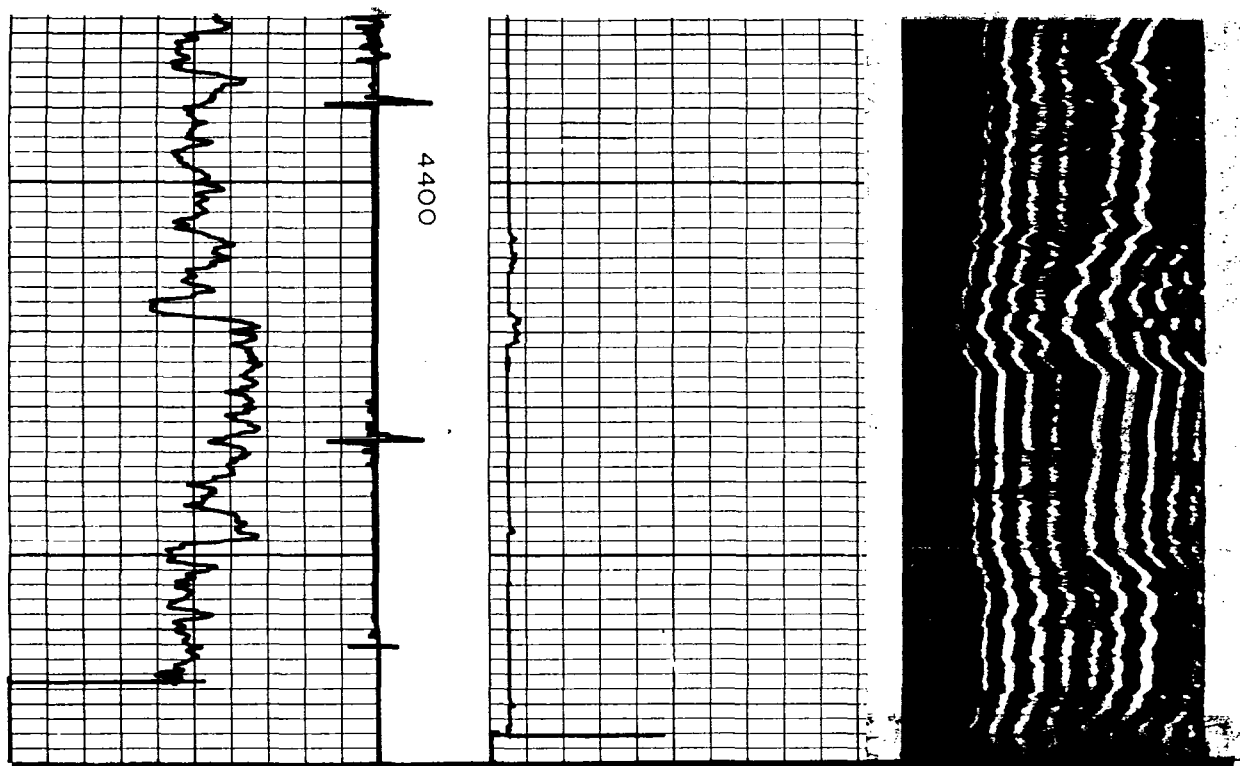
128 A 1 2 1 MAG 2





MULTI TRACES A 1 2 1 10001

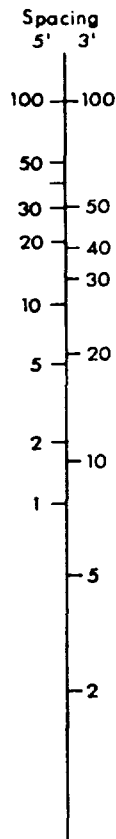




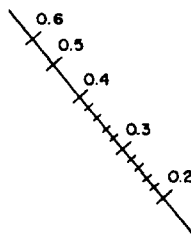
API UNITS 0 8 API/CD 80		6.4 16 40 100 2.5' PERCENT UNBONDED PIPE SIGNAL AMPLITUDE INCREASES →	MICROSECONDS 200 1200
Gamma Ray		DEPTH	COMPRESSION WAVE AMPLITUDE
Company JOE DON COOK		Drillers T.D.	4527'
Well MERLAND NO. 1		Log F.R.	4474'
Field SOUTH CARLSBAD		Log T.D.	4480'
County EDDY		Elevations:	
State NEW MEXICO		K.B. 3189'	D.F. G.L. 3181'

CEMENT STRENGTH

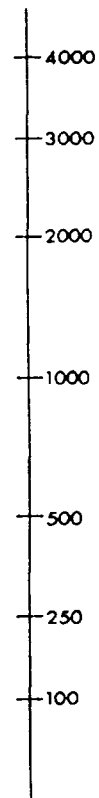
PERCENT OF SIGNAL IN UNBONDED PIPE



CASING THICKNESS (inches)



AVERAGE COMPRESSIVE STRENGTH (psi)



GEARHART

CEMENT BOND LOG GAMMA RAY CCL

FILING NO.	COMPANY <u>JEG Enterprises</u>
WELL <u>Kokob Baby #1</u>	FIELD <u>1650 FEL</u>
COUNTY <u>Eddy</u>	STATE <u>N.M.</u>
LOCATION <u>2312' FV/L</u> <u>1650 FEL</u>	Other Services
SEC <u>24</u> TWP <u>22</u> RGE <u>36</u>	
Permanent Datum <u>GL</u> Elev. <u>3185</u>	Elev. <u>K.B. 3195</u>
Log Measured from <u>KA Kelly Bucking</u>	D.F. <u>GL 3185</u>
Drilling Measured from	
Date <u>4/18/85</u>	Type Fluid in Hole
Run No. <u>4561</u>	Dens. Visc.
Depth-Driller <u>4567</u>	Max. Rec. Temp.
Depth-Logger <u>4568</u>	Est. Cement Top
Str. Log Interval <u>2312'</u>	Equip. Location
Top Log Interval <u>2312'</u>	Recorded By <u>C. J. ...</u>
Open Hole Size <u>7 7/8"</u>	Witnessed By
CASING REC. Size <u>8 5/8"</u> Wt./ft. <u>57</u> Grade <u>Soft</u> Type Joint <u>350</u> Top <u>350</u> Bottom	
Surface String <u>5 1/2"</u>	
Prod. String	
Prod. String	
Liner	
STRING	Surface Protection Production Liner
Vol. of Cement	
Type of Cement	
Additive	
Additive by %	
Retarder by %	
Retarder by %	
Water Loss	
Drill Mud Type	
Drilling Mud Wt.	

PRIMARY CEMENTING PROCEDURE

BOND EQUIPMENT DATA

Hour	Date	Tool No. <u>BT 016</u>	Tool Type <u>TE</u>	Tool Size <u>3 3/8"</u>
Started Pumping Cement		Centralizer:	Type <u>3-Dimensional</u>	Size <u>3' x 8"</u>
Plug on Bottom		No. <u>3</u>	Position <u>7-17-13</u>	
Release Pressure		Transmitter to Receiver Spacing <u>3'</u>		
Finish Cementing Operation		Amplitude	Seismic Spectrum	Travel Time
Start Cement Bond Log	<u>1700</u>	<u>4.5</u>	<u>6.5</u>	<u>6.5</u>
Finish Cement Bond Log	<u>4120</u>			

GAMMA RAY EQUIPMENT & LOGGING DATA

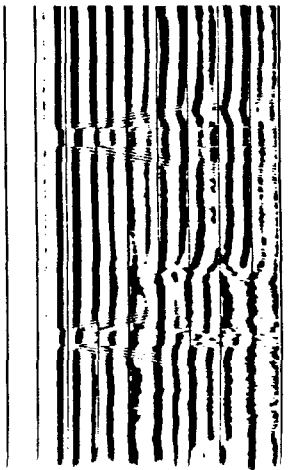
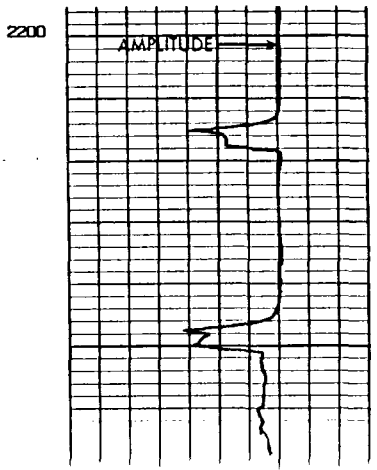
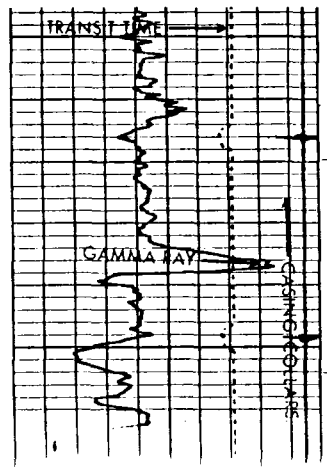
Tool No. <u>685012</u>	Depths	Speed FPM	T. C. Sec.	Bkg. Cps.	Cal. Cps.	Sens.	Zero Div. L or R	Api Per Log Div.
Tool Model No.	From <u>4427</u> To	<u>30</u>	<u>2</u>				<u>L</u>	<u>15</u>
Diameter <u>3 1/2"</u>								
Detector Model No.								
Type <u>Scint</u>								
Length <u>6"</u>								
Distance to N. Source								

REMARKS:

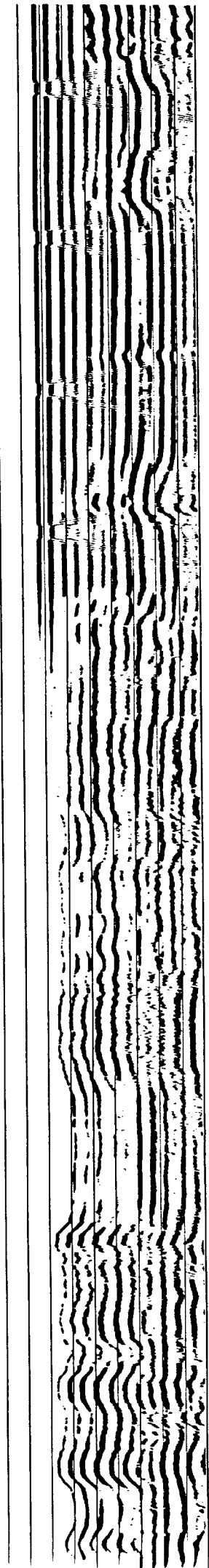
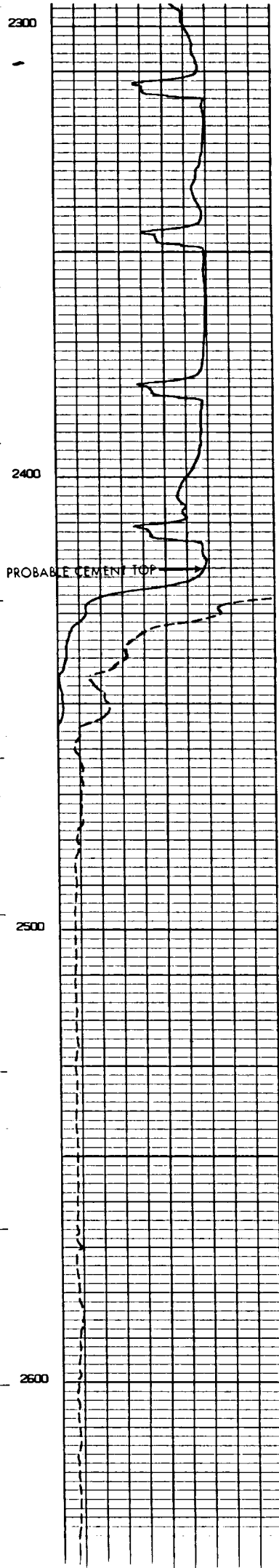
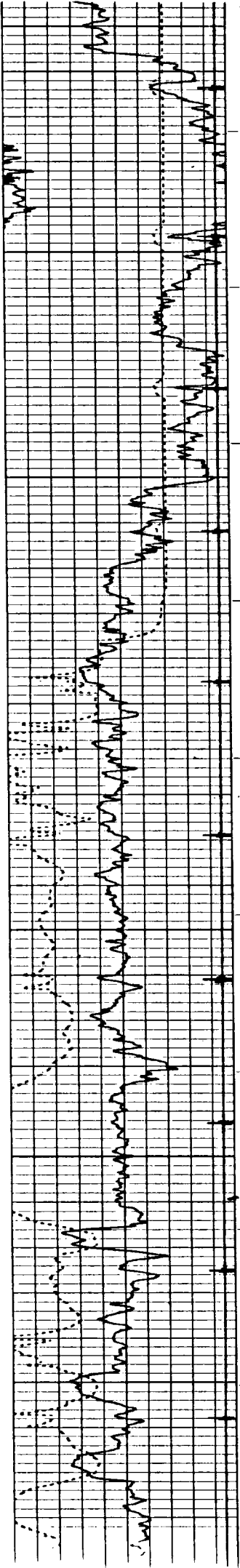
NOTICE: Gearhart Industries, Inc. cannot and does not guarantee the accuracy or correctness of any log data or of any interpretation thereof and shall not be liable or responsible for any loss, cost, damage or expense incurred or sustained by Customer resulting from any log data or interpretation made by Gearhart Industries, Inc. or any of its agents, servants or employees. Neither log data nor interpretation thereof should be relied upon as the sole basis for any drilling, completion, well treatment or production decision or any other procedure. Unless there is presently in effect a master or other specific or general contract intended to extend and apply hereto, this Log is provided in accordance with Gearhart Industries, Inc.'s General Terms and Conditions as set out in its current price schedule.

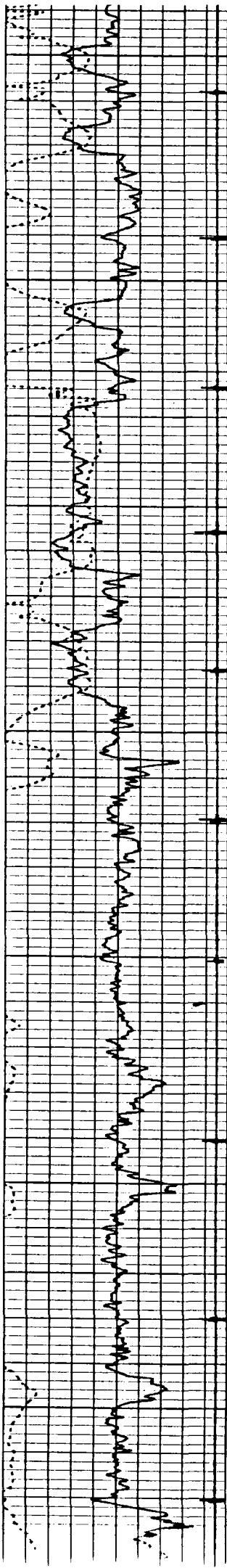
GEARHART INDUSTRIES, INC.

GAMMA-RAY	DEPTH	AMPLITUDE	SEISMIC SPECTRUM
GAMMA RAY API UNITS		AMPLITUDE MILLIVOLTS	SEISMIC SPECTRUM RECORDING
		<u>100</u>	MICRO SECONDS
COLLAR LOG		<u>Amplified Amplitude Millivolts</u>	
<u>400 Transit Time</u>	<u>200</u>	<u>300</u>	<u>1000</u>



FORM NO. 207 - REV. 3-84



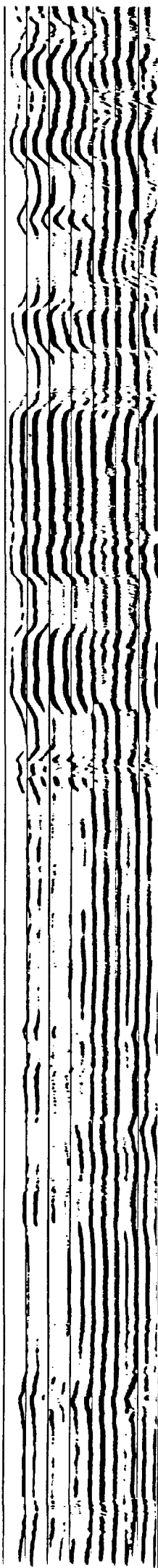
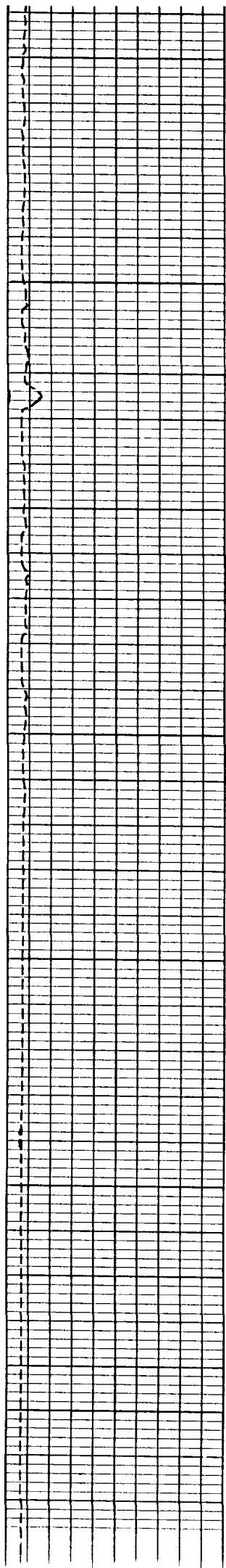


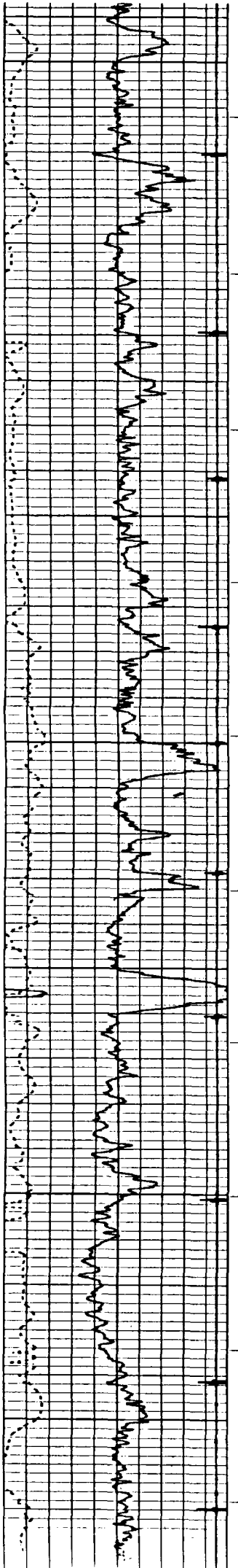
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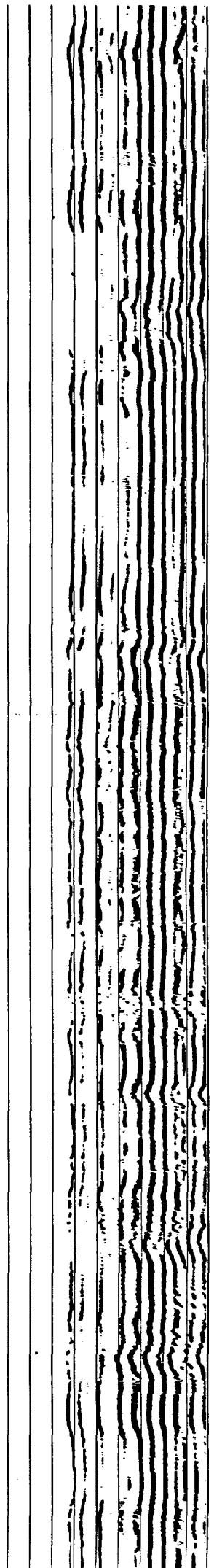
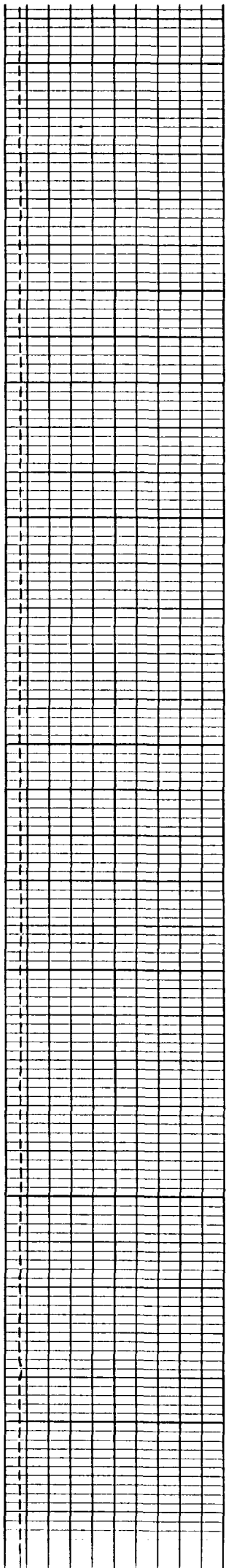


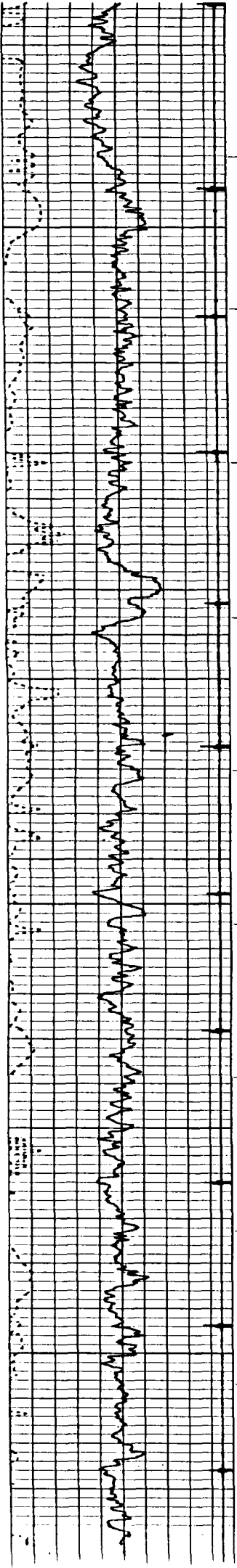
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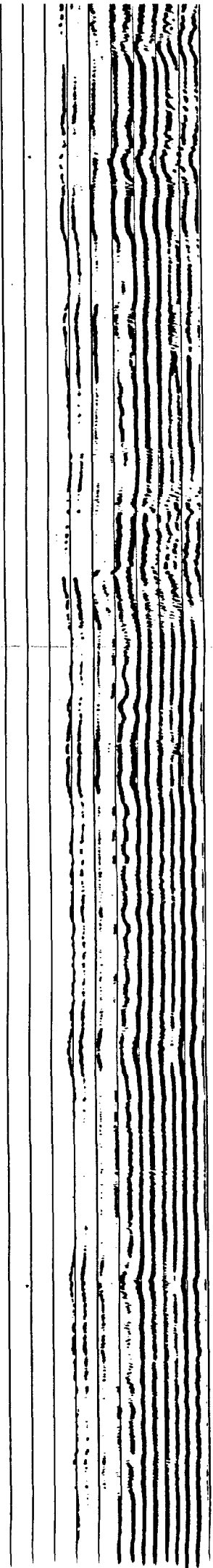
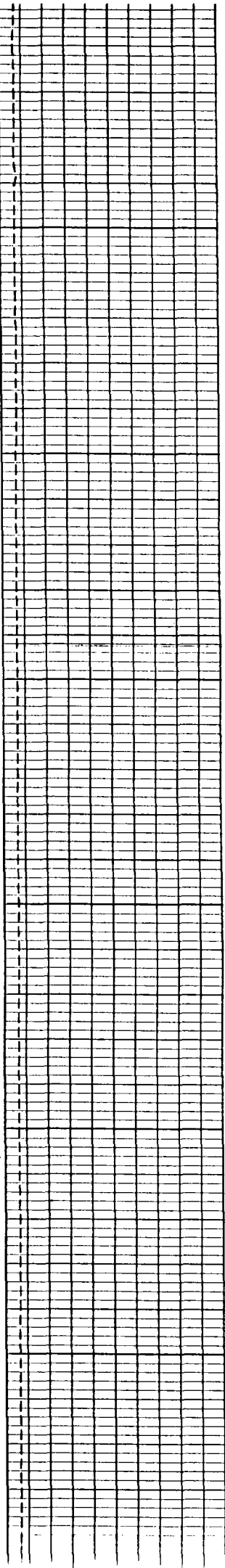


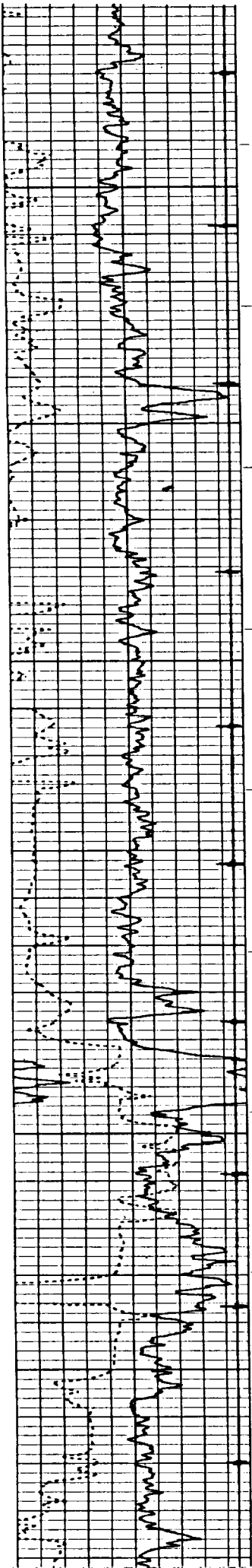


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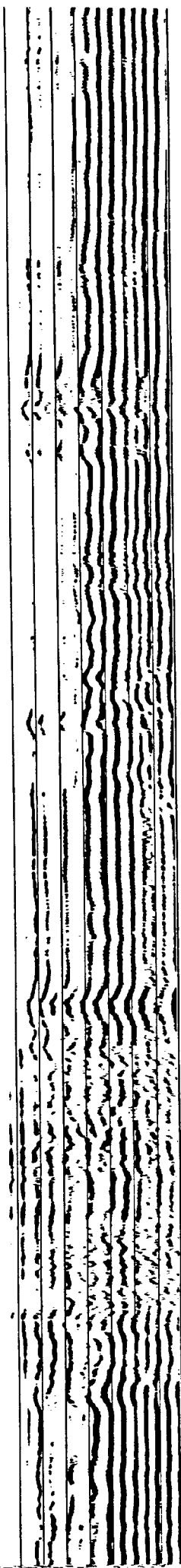
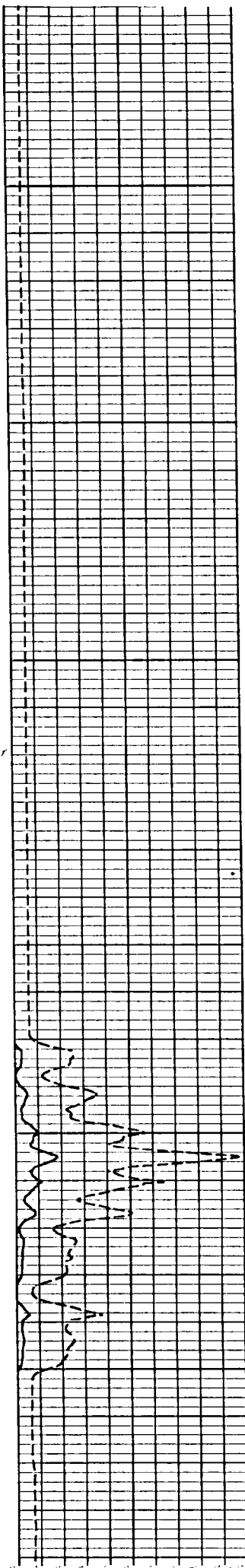


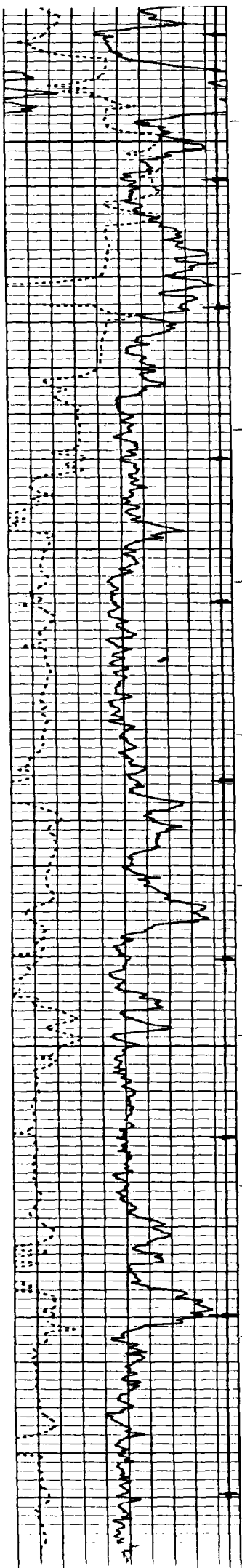


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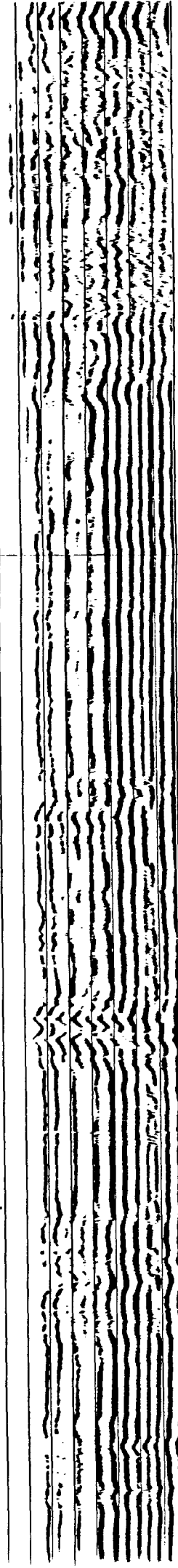
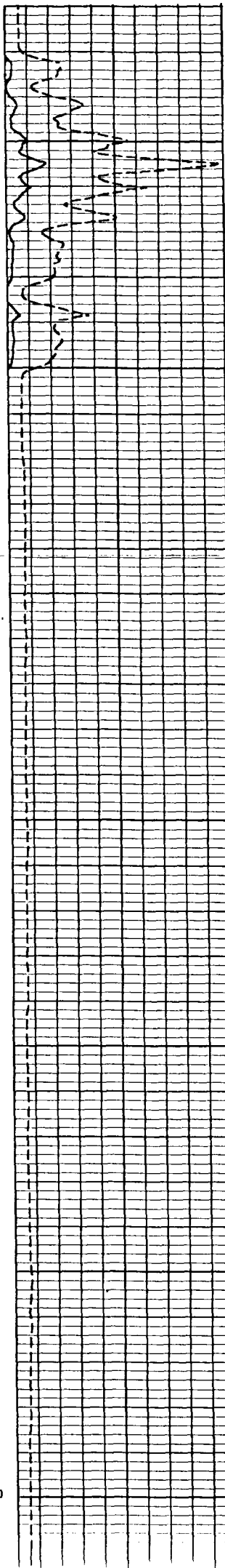


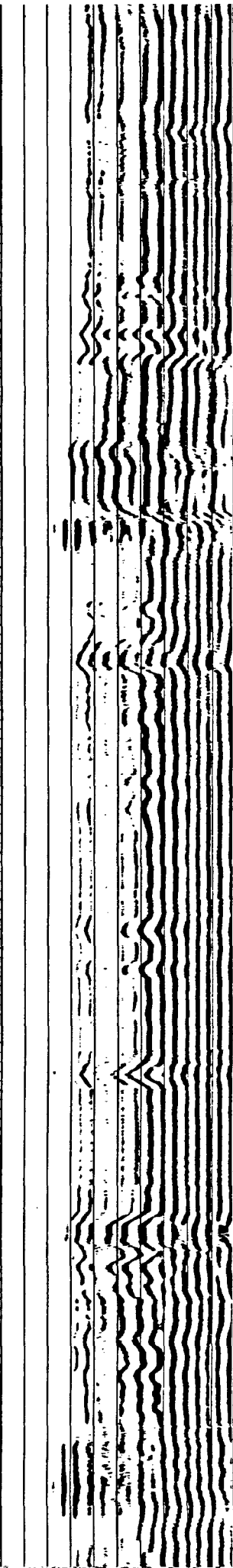
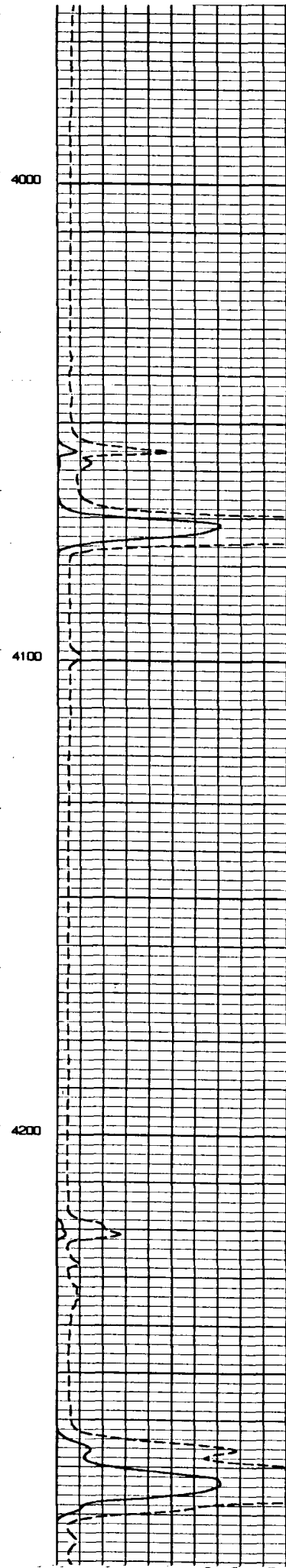
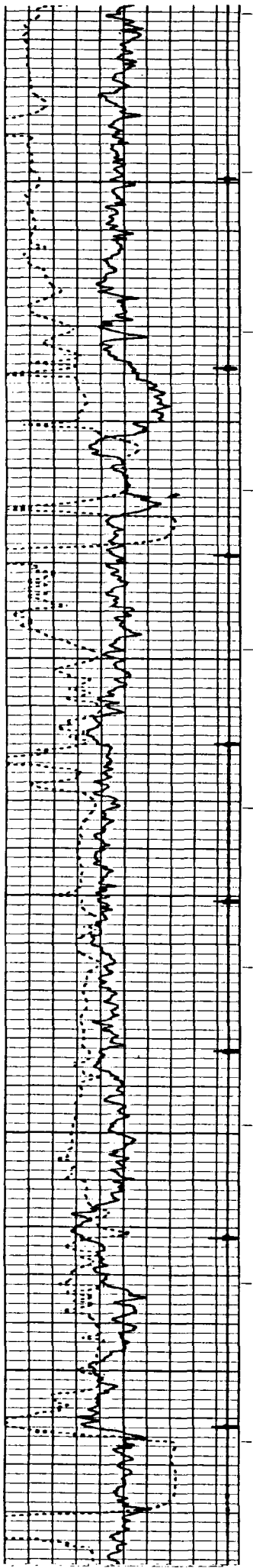
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BENNETT-CATHEY WIRE LINE SERVICE

P. O. BOX 787 / ARTESIA, NEW MEXICO 88210 / PHONE 746-3281

TEMPERATURE SURVEY

OPERATOR RAY WESTALL

LEASE BASEBALL PARK

WELL NO. 2

COMPANY REPRESENTATIVE RAY WESTALL

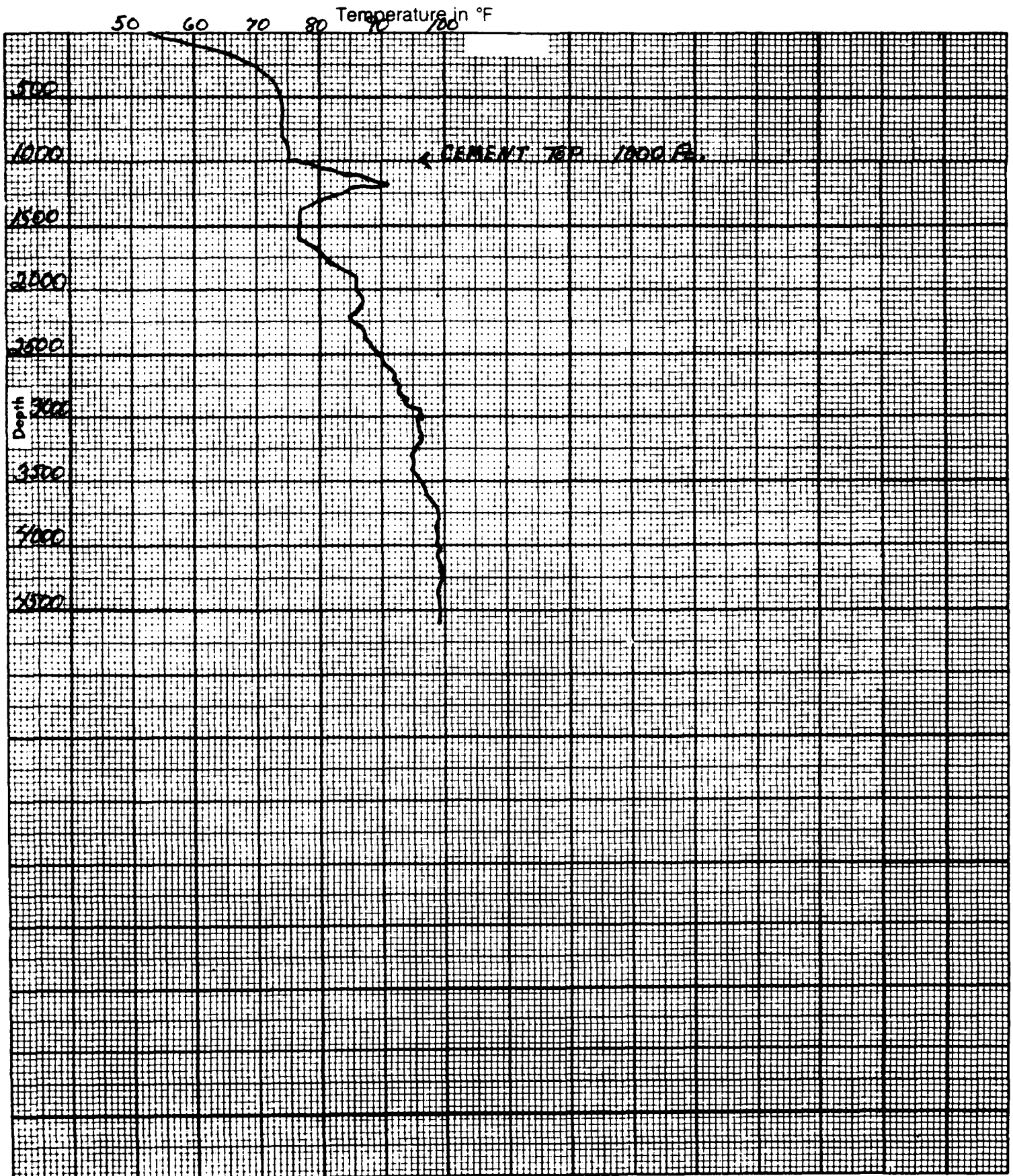
DATE & TIME CEMENT JOB COMPLETED 1500 HRS 4-12-85

DATE & TIME SURVEY MADE 0800 HRS 4-13-85

SURVEY RUN BY KELLY WILLIAMS

WELL DATA CEMENT TOP 1000 FT GL

TOTAL DEPTH 4591 FT GL



BENNETT-CATHEY WIRE LINE SERVICE

P. O. BOX 787 / ARTESIA, NEW MEXICO 88210 / PHONE 746-3281

TEMPERATURE SURVEY

OPERATOR RAY WESTALL

LEASE BASEBALL PARK

WELL NO. 3

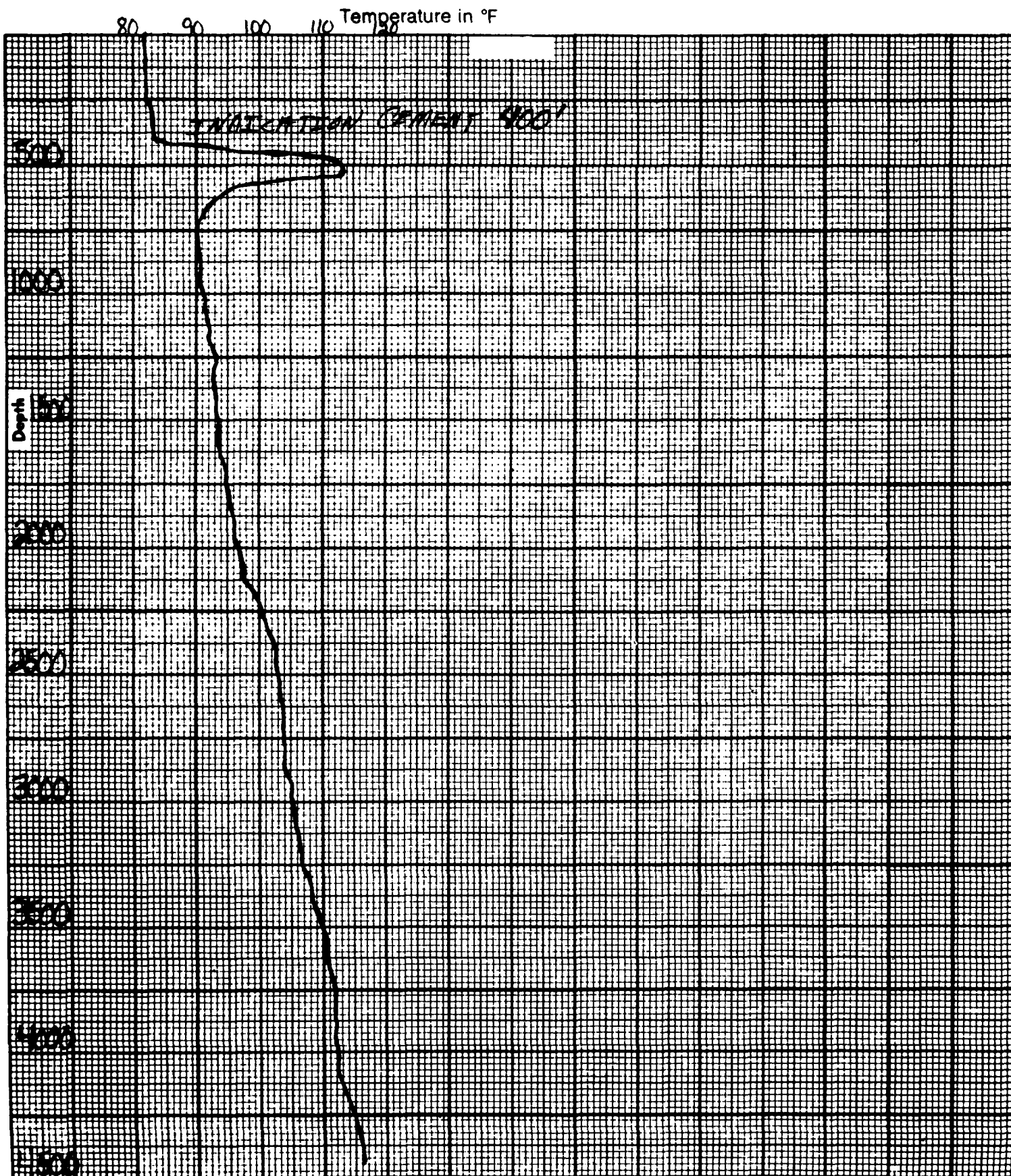
COMPANY REPRESENTATIVE DONNIE MATHEWS

DATE & TIME CEMENT JOB COMPLETED 1500 HOURS 4-24-86

DATE & TIME SURVEY MADE 1100 HOURS 4-25-86

SURVEY RUN BY LARRY MOSSBARGER

WELL DATA G.L., INDICATION OF CEMENT 400', TOTAL DEPTH 4485'



PADILLA & SNYDER

ATTORNEYS AT LAW
200 W. MARCY, SUITE 212
P.O. BOX 2523
SANTA FE, NEW MEXICO 87504-2523
(505) 988-7577

October 2, 1987

Michael Stogner
Hearing Examiner
Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Case 9189; Ray Westall Salt Water Disposal
Application

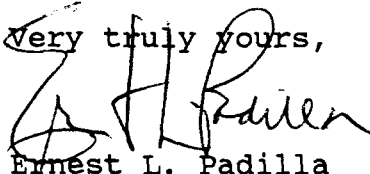
Dear Mr. Stogner:

This letter acknowledges our recent telephone conversation during which I requested a time extension of a few days beyond October 7, if necessary, for filing the information that you requested from Mr. Gillham, one of our expert witnesses, at the initial phase of the hearing on September 9, on this matter.

As I explained to you during our telephone conversation, Mr. Gillham suffered a stroke and I have been unable to communicate with Mr. Gillham. Consequently, my client has had to retain other experts to assist us in preparation of the requested information and of responses to the additional materials recently submitted by Mr. Dickerson to you.

I have called Mr. Dickerson and he has agreed to a time extension for our submittal. I have also agreed that we can dispense with further hearings unless the Division, itself, wants to hear further testimony on the matter.

Very truly yours,



Ernest L. Padilla

ELP:njp

cc: Corinne Grace
Chad Dickerson, Esquire

PADILLA & SNYDER

ATTORNEYS AT LAW
200 W. MARCY, SUITE 212
P.O. BOX 2523
SANTA FE, NEW MEXICO 87504-2523
(505) 988-7577

October 26, 1987

HAND DELIVERED

Mr. Michael Stogner
Hearing Examiner
Oil Conservation Division
State Land Office Building
Santa Fe, New Mexico 87501

Re: Application of Ray Westall for Salt Water
Disposal, Eddy County, New Mexico, Case 9189

Dear Mr. Stogner:

At the hearing of the above-referenced case on September 9, 1987, you requested that Mr. Gillham, one of our expert witnesses, prepare cement calculations concerning the wells that surrounded the proposed disposal well. After the hearing and approximately at the same time that Mr. Dickerson submitted his additional information to you, we discovered that Mr. Gillham had been stricken by a stroke. Because of Mr. Gillham's incapacity, my client obtained the services of other engineers to assist in making the calculations in order to submit them to you. In this regard, we asked for an extension of time from both you and Mr. Dickerson which we appreciate from both of you.

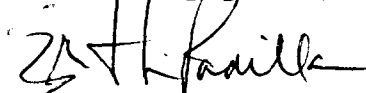
After we had submitted materials to the new engineers, we learned that Mr. Gillham would be able to make the calculations. Because of Mr. Gillham's familiarity with the case we opted to wait a little longer for his calculations. Again, we appreciate your patience in this regard. Therefore, enclosed are Mr. Gillham's calculations regarding the wells that surround the proposed injection well. Included with these calculations is Mr. Gillham's cover letter to us, which is explanatory in nature.

Mr. Michael Stogner
October 26, 1987
Page (2)

With respect to the earlier additional exhibits submitted by Mr. Dickerson, we submit that the schematic of the surface facilities of the salt water disposal well are incomplete because the pipeline facilities and the facilities necessary to connect the Westall wells are not shown on the schematic. We believe that the schematic should show all of the facilities that are going to be connected to the salt water disposal well. In this regard, the applicant has given testimony through his expert witness indicating that only the Westall operated oil and gas wells would be connected to the salt water disposal facility.

Should you need anything else, please let us know.

Very truly yours,



Ernest L. Padilla

ELP:crk

Enclosure as stated

cc: Corinne Grace
Chad Dickerson (W/Encls.)
James Gillham

James A. Gillham

PETROLEUM ENGINEER - CONSULTANT

SUITE 3
201 N. WASHINGTON
P.O. BOX 1181
ROSWELL, NM 88201

October 16, 1987

Padilla & Snyder
200 W Marcy
Suite 212
Santa Fe, NM 87501

Attention: Ernest L. Padilla

Dear Mr. Padilla:

Enclosed are the casing and cementing records for the wells in the vicinity of Ray Westall's Merland No. 1 well which he proposes to use as a salt water disposal well. All data for figuring the cement tops is from the Halliburton Cementing Tables. In calculating fill between casing and hole you will note that I assumed 80% fill of total volume of cement. As you can see, the fill in most wells was a lot less than 80%.

The type of cements and additives used in cementing the wells in this area is normally used in areas of low pressure zones or lost circulation zones. The Delaware formation, where most of the wells in this area are completed, and same formation intended to be used for disposal is a low pressure zone and tends to break down during cementing of the casing. With the volumes of cement that were used in cementing, chances are very good that the Delaware was broken down under the weight of the cement column. In any case, the returns on cement were poor, indicating they either broke down the formation or had lost circulation problems.

If breakdown of the Delaware formation has taken place, there could be some communication between wells. If this is the case, the type of water to be injected, PH of 4, would be like putting acid in the ground and it would only be a matter of time before casing in nearby wells would corrode.

If you need additional information, please let me know.

Sincerely yours,

James A. Gillham

James A. Gillham

Enclosures

RECEIVED
OCT 20 1987
RECEIVED

Operator: Pennzoil Company
Well: Moore Com. #1 I-Sec.23, T.22S., R. 26E.

Surface Csg: Set 13-13/8" in 17-1/2" hole @ 1,924 ft.
1800 sks Class "C"
Cu.Ft. = 1.32 cu.ft./sk x 1800 sks = 2,376 cu. ft.
Volume between casing and hole = 1.4396 lin. ft./cu. ft.
Fill-up = 1.4396 lin. ft./cu. ft. x 2,376 cu. ft. x 0.80
= 2,731 ft.
TOC by temp. survey @ 360 ft.
1" w/350 sks circulated to surface

Intermediate Csg: Set 9-5/8" in 12-1/4" hole @ 5,407 ft.
1,190 sks Class "C" 50-50 Pozmix
Cu. Ft. = 1.22 cu.ft./sk x 1190 sks = 1451 cu. ft.
200 sks Class "C" w/1/4# Floseal, 2% CaCl
Cu.Ft. = 1.32 cu.ft./sk x 200 sks = 264 cu. ft.
Total cement volume = 1,715 cu. ft.
Volume between casing and hole = 3.1930 lin. ft./cu. ft.
Fill-up = 3.1930 lin. ft./cu. ft. x 1715 cu.ft. x 0.80
= 4,380 ft.
TOC by temp. survey 2,090 ft.

Remarks: Indicates circulation problems in both surface and intermediate casing. On surface approximately 45% fill of volume of cement and on intermediate approximately 62% fill of volume of cement.

Operator: Cities Service Oil and Gas Corp.
Well: Merland A #2 L-Sec. 19, T. 22S., R. 27E.

Surface Csg: Set 8-5/8" csg. in 12-1/4" hole @ 597 ft.
500 sks Class "C" -(assume)
Cu. Ft. = 1.32 cu.ft./sk x 500 sks = 660 cu. ft.
Volume between casing and hole = 2.4229 lin.ft./cu.ft.
Fill-up = 2.4229 lin.ft./cu.ft. x 660 cu. ft. x 0.80
= 1,279 ft. circulated

Production Csg: Set 5-1/2" csg in 7-7/8" hole @ 4,553 ft.
900 sks Class "C" - (assume)
Cu. Ft. = 1.32 cu.ft./sk x 900 sks = 1,188 cu. ft.
Volume between casing and hole = 5.7719 lin.ft./cu.ft.
Fill-up = 5.7719 lin.ft./cu.ft. x 1188 cu.ft. x 0.80
= 5,485 ft. circulated

Remarks: Assumed Class "C" cement used on both strings of casing. Records did not indicate type used.

Operator: Ray Westall
Well: Baseball Park #4 H-Sec. 24, T. 22S., R. 26E.

Surface Csg: Set 8-5/8" csg in 12-1/4" hole @ 434 ft.
250 sks Class "C"
Cu. Ft. = 1.32 cu.ft./sk x 250 sks = 330 cu. ft.
Volume between casing and hole = 2.4229 lin.ft./cu.ft.
Fill-up = 2.4229 lin.ft./cu.ft. x 330 cu. ft. x 0.80
= 640 ft. circulated

Production Csg: Set 5-1/2" csg in 7-7/8" hole @ 4,600 ft.
350 sks Lt. Wt.
Cu. Ft. - 1.84 cu.ft./sk x 350 sks = 644 cu. ft.
300 Sks Poz "C"
Cu. Ft. = 1.22 Cu.ft./sk x 300 sks = 366 cu.ft.
Total cement volume = 1,010 cu. ft.
Volume between casing and hole - 5.7719 lin.ft./cu.ft.
Fill-up = 5.7719 lin.ft./cu.ft. x 1,010 cu. ft. x 0.80
= 4,663 ft.
TOC by bond log @ 485 ft.

Remarks: By bond log TOC is @ 485 ft. Got approximately 70%
fill of volume of cement.

Operator: Ray Westall

Well: Baseball Park #3 K-Sec. 24, T. 22S., R. 26E.

Surface Csg: Set 8-5/8" csg in 12-1/4" hole @ 425 feet
250 sks Class "C" 2% CaCl $\frac{1}{2}$ # Cello-seal
Cu. Ft. = 1.32 cu.ft./sk x 250 sks = 330 cu. ft.
Volume between casing and hole = 2.4229 lin.ft./cu.ft.
Fill-up = 2.4229 lin.ft./cu. ft. x 330 cu. ft. x 0.80
= 640 ft. - did not circulate using 80% fil
Redi-mix with 2 yds cement.

Production Csg: Set 5-1/2" csg in 7-7/8" hole @ 4,520 feet
590 sks Lt.Wt.
Cu. Ft. = 1.84 cu.ft./sk x 590 sks = 1,085 cu. ft.
335 sks 50-50 Poz C
Cu. Ft. = 1.22 cu.ft./sk x 335 sks = 408 cu. ft.
Total cement volume - 1,493 cu.ft.
Volume between casing and hole = 5.7719 lin.ft./cu.ft.
Fill-up = 5.7719 lin.ft./cu.ft. x 1,493 cu.ft. x 0.80
= 6,893 ft.
TOC by temp. survey 400 feet

Remarks: Appears lost circulation problems on surface casing as evidenced by the type of cement additives that were used. On production string temp. survey indicates the TOC @ 400 feet. This tells us that they only had approximately 53% fill between casing and hole which indicates again bad circulation problems.

Operator: Ray Westall

Well: Baseball Park #2 P-Sec. 24, T. 22S., R. 26E.

Surface Csg: Set 8-5/8" csg in 12-1/4" hole @ 400 feet
250 sks Class "C"
Cu. Ft. = 1.32 cu.ft./sk x 250 sks = 330 cu. ft.
Volume between casing and hole = 2.4229 lin.ft./cu.ft.
Fill-up = 2.4229 lin. ft./cu. ft. x 330 cu. ft. x 0.80
= 640 ft. circulated

Production Csg: Set 5-1/2" csg in 7-7/8" hole @ 4,600 feet
700sks Lt. Wt.
Cu.Ft. = 1.84 cu.ft./sk x 700 sks = 1,238 cu. ft.
900 sks Class "C"
Cu.Ft. = 1.32 cu.ft./sk x 900 sks = 1,188 cu. ft.
250 sks Lt. Ct. used to 1"
Cu.Ft. = 1.84 cu.ft./sk x 250 sks = 450 cu. ft.
Total cement volume = 2,926 cu. ft.
Volume between casing and hole = 5.7719 lin.ft./cu.ft.
Fill-up = 5.7719 lin. ft./cu. ft. x 2,926 cu. ft. x 0.80
= 13,510 ft. circulated by 1" w/250 sks.

Remarks: As can be seen by the volume of cement used if it had gotten even 80% fill by volume, there was enough cement to fill hole approximately 13,510 feet. This tells us there were bad lost circulation problems or low pressure zones that were taking the cement.

Operator: Ray Westall
Well: Baseball Park #1 I, Sec. 24, T. 22S., R. 26E.

Surface Csg: Set 8-5/8" csg. in 12-1/4" hole @ 421 ft.
250 sks Class "C"
Cu.Ft. = 1.32 cu.ft./sk x 250 sks = 330 cu. ft.
Volume between casing and hole = 2.4229 lin.ft./cu.ft.
Fill-up = 2.4229 lin.ft./cu.ft. x 330 cu. ft. x 0.80
= 640 ft. circulated

Production Csg: Set 5-1/2" csg. in 7-7/8" hole @ 4,950 ft.
800 sks Lt. Wt.
Cu.Ft. = 1.84 cu.ft./sk x 800 sks = 1,472 cu. ft.
800 sks Class "C"
Cu.Ft. = 1.32 cu.ft./sk x 800 sks = 1,056 cu. ft.
Total cement volume = 2,528 cu. ft.
Volume between casing and hole = 5.7719 lin.ft./cu.ft.
Fill-up = 5.7719 lin.ft./cu.ft. x 2,528 cu. ft. x 0.80
= 11,673 ft.circulated

Remarks: Completion reports indicate that production casing was cemented with 800 sks cement. Doubt if cement would have circulated with 800 sks. Sundry Notice indicates they used 1,600 sks cement. If 1,600 sks were used indicate they had problems with low pressure zones or lost circulation.

Operator: JFG

Well: Merland #1 J-Sec. 24, T. 22S., R. 26E.

Surface Csg: Set 8-5/8" csg in 12-1/4" hole @ 375 ft.
250 sks Class "C"
Cu.Ft. = 1.32 cu.ft./sk x 250 sks = 330 cu. ft.
Volume between casing and hole = 2.4229 lin.ft./cu.ft.
Fill-up = 2.4229 lin. ft./cu. ft. x 330 cu. ft. x 0.80
= 640 ft. circulated

Production Csg: Set 5-1/2" csg in 7-7/8" hole @ 4,518 ft.
225 sks Class "H"
Cu.Ft. = 1.06 cu.ft./sk x 225 sks = 238 cu. ft.
225 sks Poz A CaCl.kcl
Cu.Ft. = 1.26 cu.ft./sk x 225 sks = 284 cu. ft.
Total volume = 522 cu.ft.
Volume between casing and hole = 5.7719 lin.ft./cu.ft.
Fill-up = 5.7719 lin. ft./cu. ft. x 522 cu.ft. x 0.80
= 2,410 ft.

Remarks: TOC by calc. assuming 0.80 fill is 2,108 ft.

Operator: Corinne Grace
Well: Kuklah Baby #1 G-Sec. 24, T. 22S., R. 26E.

Surface Csg: Set 9-5/8" csg. in 12-1/4" hole @ 351 feet
150 sks Class "C"
Cu.Ft. = 1.32 cu.ft./sk x 150 sks = 198 cu. ft.
Volume between casing and hole = 3.1930 lin.ft./cu.ft.
Fill-up = 3.1930 lin.ft./cu.ft. x 198 cu.ft. x 0.80
= 505 ft. circulated

Production Csg: Set 5-1/2" csg in 7-7/8" hole @ 4,561 feet
163 sks Class "C"
Cu.Ft. = 1.32 cu.ft./sk x 163 sks = 215 cu. ft.
162 sks Poz A, 2% gel, 16 sks salt
Cu.Ft. = 1.28 cu.ft./sk x 162 sks = 207 cu. ft.
Total cement volume - 422 cu. ft.
Volume between casing and hole - 5.7719 lin.ft./cu.ft.
Fill-up = 5.7719 lin.ft./cu.ft. x 422 cu.ft. x 0.80
= 1,948 ft. TOC by calc. 2,613 ft.
TOC by Temp. survey 2,400 ft.

Remarks: On this well the fill between casing and hole was approximately 89% of total of volume cement used.

Operator: Grace Energy Co.

Well: GoPoGo #2 G- Sec. 24,T. 22S., R. 26E.

Surface Csg: Set 13-3/8" csg in 17-1/2" hole @ 319 feet
200 sk Lt. Wt.
Cu.Ft. = 1.84 cu.ft./sk x 200 sks = 368 cu. ft.
100 sk Class "C"
Cu.Ft. = 1.32 cu.ft./sk x 100 sks = 132 cu. ft.
Total cement volume - 500 cu.ft.
Volume between casing and hole = 1.4396 lin.ft./cu.ft.
Fill-up = 1.4396 lin. ft./cu. ft. x 500 cu. ft. x 0.80
= 575 ft. circulated

Intermediate Csg: Set 9-5/8" csg in 12-1/4" hole @ 5,328 feet
1500 sks Lt. Wt.
Cu.Ft. = 1.84 cu.ft./sks x 1500 sks = 2,760 cu. ft.
400 sks Class "C"
Cu.Ft. = 1.32 cu.ft./sks x 400 sks = 528 cu. ft.
Total Cement volume = 3,288 cu. ft.
Volume between casing and hole = 3.1930 lin.ft./cu.ft.
Fill-up = 3.1930 lin. ft./cu. ft. x 3,288 cu.ft. x 0.80
= 8,399 ft. circulated

Remarks: Assumed that with total cement volume there was 80%
fill between csg. and hole. In as much as cement
was circulated do not know what the actual percent
volume of cement was used before it circulated.

Operator: Grace Energy Co.

Well: Grace-Atlantic #1 J-Sec. 24, T. 22S., R. 26E.

Surface Csg: Set 13-3/8" csg. in 17-1/2" hole @ 356 feet
375 sks Class "C"
Cu.Ft. = 1.32 cu.ft./sks x 375 sks = 495 cu.ft.
Volume between casing and hole - 1.4396 Lin.Ft./cu.ft.
Fillup = 1.4396 lin. ft./cu. ft. x 495 cu. ft. x 0.80
= 570 ft. circulated

Intermediate Csg: Set 9-5/8" csg. in 12-1/2" hole @ 5,402 feet
1,250 sks. Lt. Wt.
Cu.Ft. = 1.84 cu.ft./sks x 1,250 sks = 2,300 cu.ft.
400 sks Class "C"
Cu.Ft. = 1.32 cu.ft./sk x 400 sks = 528 cu.ft.
Total cement Volume = 2,828 cu. ft.
Volume between casing and hole - 3.1930 Lin.Ft./cu.ft.
Fillup = 3.1930 lin. ft./cu. ft. x 2,828 cu. ft. x 0.80
= 7,223 ft. circulated

Remarks: Assumed that with total cement volume there was 80%
fill between csg. and hole. Inasmuch as cement was
circulated do not know what the actual percent
volume of cement was used before it circulated.

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION



GARREY CARRUTHERS
GOVERNOR

December 23, 1987

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Re: CASE NO. 9189
ORDER NO. R-8569

Mr. Chad Dickerson
Dickerson, Fisk & Vandiver
Attorneys at Law
Seventh and Mahone, Suite E
Artesia, New Mexico 88210

Applicant:

Ray Westall

Dear Sir:

Enclosed herewith are two copies of the above-referenced
Division order recently entered in the subject case.

Sincerely,

Florene Davidson

FLORENE DAVIDSON
OC Staff Specialist

Copy of order also sent to:

Hobbs OCD x
Artesia OCD x
Aztec OCD _____

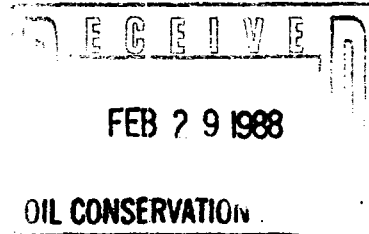
Other Ernest L. Padilla

PADILLA & SNYDER

ATTORNEYS AT LAW
200 W. MARCY, SUITE 212
P.O. BOX 2523
SANTA FE, NEW MEXICO 87504-2523
(505) 988-7577

February 29, 1988

HAND-DELIVERED



Mr. William J. LeMay
Director
Oil Conservation Division
State Land Office Building
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

W. S.

Re: Case No. 9189, Order No. R-8569

Dear Mr. Stogner:

Some time after the issuance of the above-referenced Order, a copy of which is enclosed for your reference, my client, Corinne Grace, requested that I seek a clarification from you as to whether the Order could be construed to authorize commercial salt water disposal, inasmuch as the Order does not strictly limit disposal of salt water to the wells operated by the applicant.

At the hearing of this case the applicant's expert witness testified that the salt water disposal application was intended only for disposal of water from wells operated by Mr. Westall, the applicant. In this regard, I enclose copies of portions of the transcript which indicate that the application was not intended for commercial disposal. Our reading of the transcript indicates that Mr. Westall intended to dispose of water from the Baseball Park Wells Nos. 1, 2, 3, 4 and from other wells which he might drill on the lease. At the time of the hearing it was contemplated that the applicant might drill another well on his lease, which would also be included in the disposal operation.

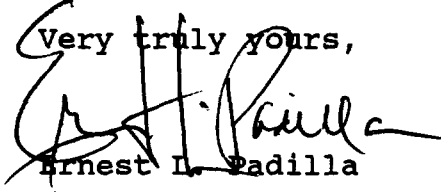
It is my understanding that the Division may distinguish between salt water disposal applications such as

Mr. William J. LeMay
February 29, 1988
Page - 2

Mr. Westall's, and commercial salt water disposal wells by using the word "commercial" in the caption of Orders. Since the caption of the above-referenced Order does not contain the delineation of "commercial" we presume that the Order is not for commercial purposes.

After the Order was issued I did speak briefly with Mr. Stogner, the hearing examiner in the case, concerning this matter but I have neglected to follow up on it. Accordingly, we would request some clarification regarding the non-commercial/commercial distinction relative to this Order.

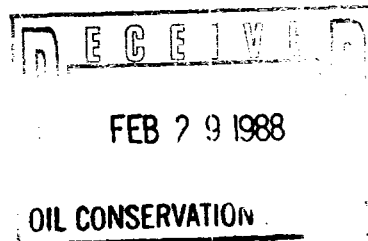
Thank you in advance for your expeditious response.

Very truly yours,

Ernest L. Padilla

ELP:njp

Enclosures as stated

cc: Chad Dickerson, Esquire
w/Enc.
Corinne Grace



Regarding your letter dated February 29, 1988, requesting a clarification of the above-referenced Order, we believe, based on the applicant's testimony at the hearing, that Ray Westall did not make a salt water disposal well for commercial disposal purposes and, accordingly, the resulting Order does not authorize commercial salt water disposal.

Should your client feel that the purpose of the Order is being exceeded through commercial salt water disposal, your client may file an appropriate Motion before the Division to address the matter.

