

DATE IN 8/27	SUSPENSE	ENGINEER Jones	LOGGED IN 8/27	TYPE SWD	PTGW APP NO. 0923954274
--------------	----------	----------------	----------------	----------	----------------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION  
- Engineering Bureau -  
1220 South St. Francis Drive, Santa Fe, NM 87505



Mar bob (14049)  
SROS SWD #1

## ADMINISTRATIVE APPLICATION CHECKLIST

30-015-26105

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Eddy

### Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify \_\_\_\_\_

RECEIVED OGD  
2009 AUG 27 A 11:43

### [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners  
[B] ☒ Offset Operators, Leaseholders or Surface Owner  
[C] ☒ Application is One Which Requires Published Legal Notice  
[D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,  
[F] ☐ Waivers are Attached

### [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

BRIAN COLLINS  
Print or Type Name

*Brian Collins*  
Signature

PETROLEUM ENGINEER  
Title

19 Aug 09  
Date

bcollins@marbob.com  
e-mail Address

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: \_\_\_\_\_ Secondary Recovery \_\_\_\_\_ Pressure Maintenance   X   Disposal \_\_\_\_\_ Storage  
Application qualifies for administrative approval?   X   Yes \_\_\_\_\_ No
- II. OPERATOR:   MARBOB ENERGY CORPORATION    
ADDRESS:   P O BOX 227, ARTESIA, NM 88211-0227    
CONTACT PARTY:   BRIAN COLLINS   PHONE:   575-748-3303
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? \_\_\_\_\_ Yes   X   No  
If yes, give the Division order number authorizing the project: \_\_\_\_\_
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME:   BRIAN COLLINS   TITLE:   PETROLEUM ENGINEER    
SIGNATURE:   *Brian Collins*   DATE:   19 Aug 09    
E-MAIL ADDRESS:   bcollins@marbob.com
- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: \_\_\_\_\_

C-108 Application for Authorization to Inject  
SRO 5 SWD #1  
1980' FNL, 1980' FEL  
G-5-T26S-R28E, Eddy County

Marbob Energy Corporation proposes re-enter the captioned well for salt water disposal service into the Delaware Sand from 4100' to 5500'.

- V. Map is attached.
- VI. One well is located just outside the ½ mile radius area of review. A wellbore schematic is attached.
- VII.
  - 1. Proposed average daily injection rate = 2000 BWPD  
Proposed maximum daily injection rate = 5000 BWPD
  - 2. Closed system
  - 3. Proposed maximum injection pressure = 820 psi  
(0.2 psi/ft. x 4100' ft.)
  - 4. Source of injected water will be Delaware Sand and Bone Spring Sand produced water. No compatibility problems are expected. Analyses of Delaware and Bone Spring waters from analogous source wells are attached.
- VIII. The injection zone is the Delaware Sandstone, a fine-grained sandstone from 4100' to 5500'. Any underground water sources will be shallower than 450'.
- IX. The Delaware sand injection interval will be acidized with approximately 20 gal/ft of 7 ½ % HCl acid. If necessary, the injection interval may be fraced with up to 300,000 lbs. of 20/40 mesh sand.
- X. Well logs are filed with the Division. A section of the dual laterolog resistivity log showing the injection interval is attached.
- XI. There is a stock tank within a mile of the proposed SWD well. Water analysis is attached. There is no windmill, no electricity and couldn't find the well shown on attached State Engineer's Point of Diversion report.
- XII. After examining the available geologic and engineering data, no evidence was found of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Proof of Notice is attached.

## INJECTION WELL DATA SHEET

OPERATOR: Marbob Energy CorpWELL NAME & NUMBER: SRO 5 SWD No. 1 (Formerly East Apple State Unit 1)WELL LOCATION: 1980' FNL 1980' FELUNIT LETTER: GSECTION: 5TOWNSHIP: 26SRANGE: 28EWELLBORE SCHEMATIC

See attached before and after schematics. Marbob proposes to reenter well, clean out to 5700', tie back 5 1/2" casing 1175' to surface and convert well to SWD in Delaware Sand 4100-5500'.

WELL CONSTRUCTION DATASurface Casing

Hole Size: 17 1/2" Casing Size: 13 7/8" @ 450'  
 Cemented with: 500 sx. or - ft<sup>3</sup>

Top of Cement: Surface Method Determined: Circulated  
Intermediate Casing

Hole Size: 11" Casing Size: 8 7/8" @ 2340'  
 Cemented with: 1000 sx. or - ft<sup>3</sup>

Top of Cement: Surface Method Determined: Circulated

Production Casing

Hole Size: 7 7/8" Casing Size: 5 1/2" @ 8300'  
 Cemented with: 975 sx. or - ft<sup>3</sup>

Top of Cement: 1200' Method Determined: Free point @ 1200' When Cut @ 11 5 1/2"

Total Depth: 8300'

Injection Interval

4100' feet to 5500'

(Perforated) or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: IPC or Duoline 20  
 Type of Packer: 10K nickel plated double grip retrievable  
 Packer Setting Depth: 4050' ±  
 Other Type of Tubing/Casing Seal (if applicable): N/A

Additional Data

1. Is this a new well drilled for injection? Yes X No  
 If no, for what purpose was the well originally drilled? Oil and gas

2. Name of the Injection Formation: Delaware Sand  
 3. Name of Field or Pool (if applicable): San Lorenzo  
 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. \_\_\_\_\_

- See wellbore schematic  
 5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: \_\_\_\_\_

Underlying: Possible Bone Spring 6812-7955', Possible Penn ± 10500'  
Possible Strawn ± 11800', Possible Atoka ± 12,100'  
Possible Morrow ± 12,500'

Overlying: None

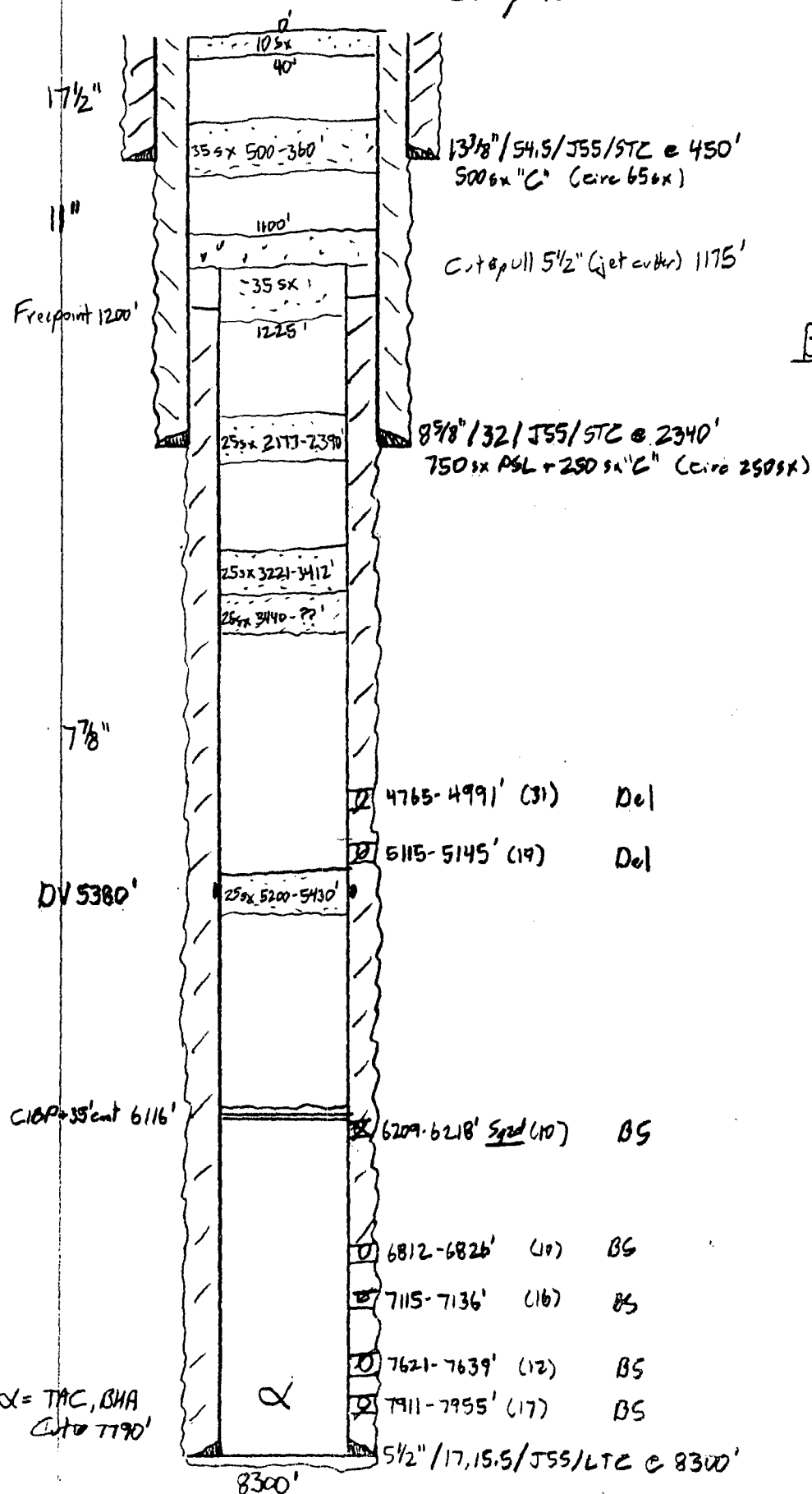
30-015-26105

(Formerly East Appl. Stat. Unit 1)

1980' FNL, 1980' FEL

G-5-26s-28e

Eddy NM



Before SWD Conversion

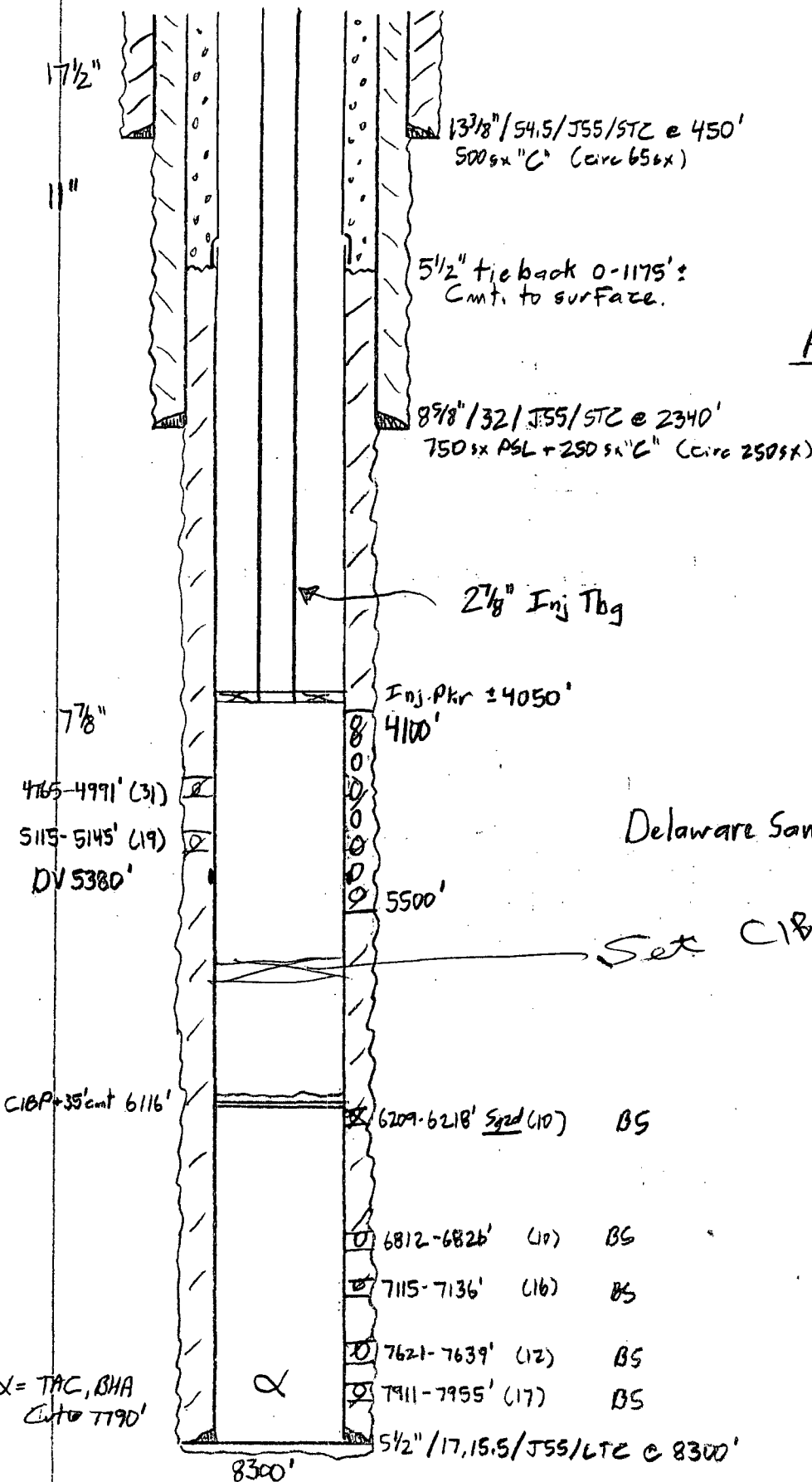
α = TAC, BHA  
Cuto 7790'

1st: 385 5/8" Super H

2nd: 590 5/8" Super H

30-D15-26105

SRO 5 SWD No. 1  
(Formerly East Appl. State Unit 1)  
1980' FNL 1980' FEL  
G-5-26s-28e  
Eddy NM



After SWD Conversion

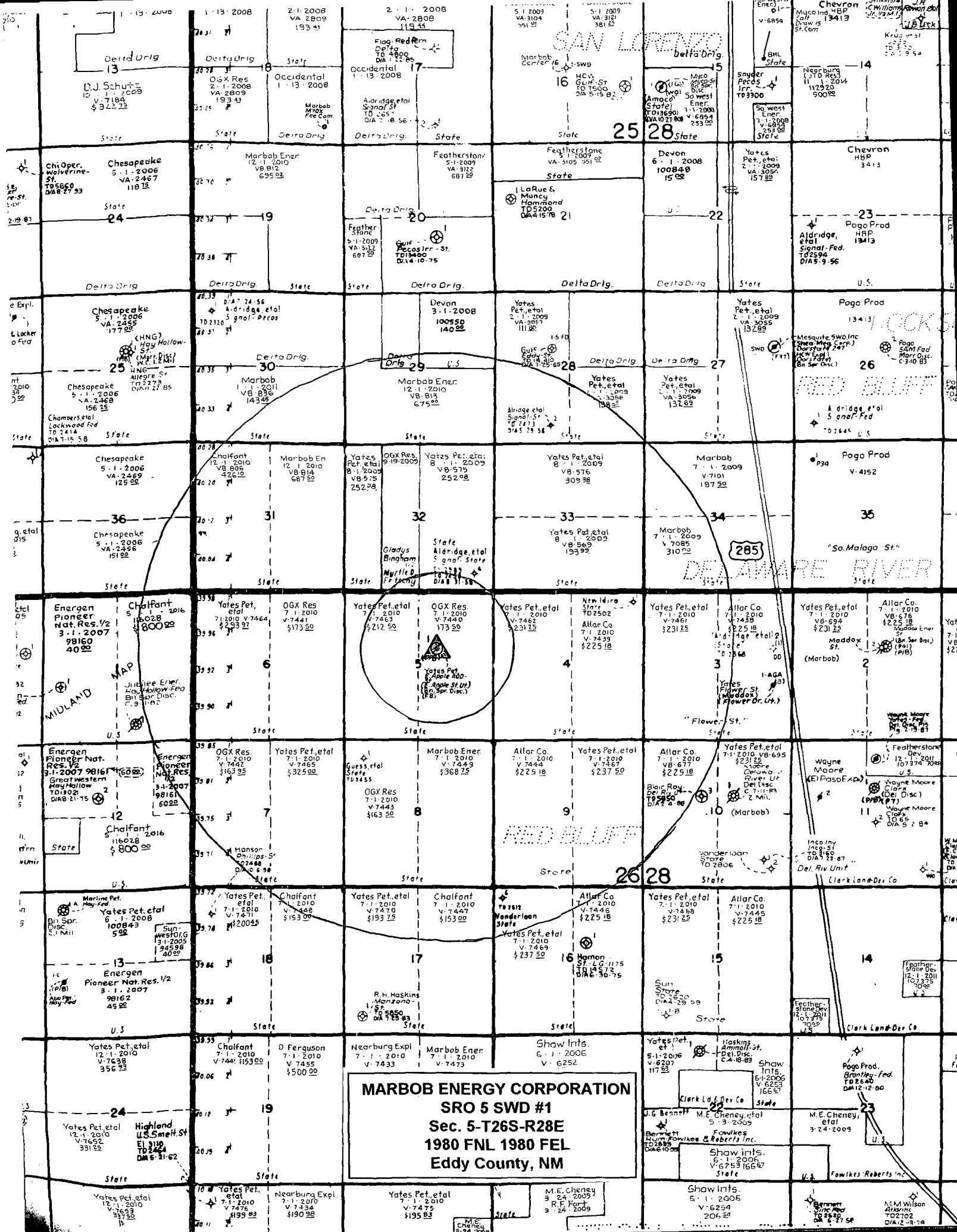
1st: 385 x 5 ft x H

2nd: 590 x 5 ft x H

**V.**

**MAP**





**MARBOL ENERGY CORPORATION**  
SRO 5 SWD #1  
Sec. 5-T26S-R28E  
1980 FNL 1980 FEL  
Eddy County, NM

# VI.

**Well Located Just  
Outside  $\frac{1}{2}$  Mile Area of  
Review**

SRO State Unit 1H

Zero: 17' AGL

Surf: 660' FNL, 330' FWL Unit D

KB : 30/4'

BHL: 660' FNL, 330' FEL Unit A

6L: 2997'

4-265-28e  
Eddy NM

Size	Wt.	Grade	Conn	Depth
13 3/8"	48	H4D	SE	380'
9 5/8"	36	J55	STC	2410'
5 1/2"	17	N80	LTC	11346' ±

13 1/2' @ 380'  
450 x "C" (circ 196x)

9 5/8" @ 2410'  
6005x HLC + 2005x "C" (Circ 625x)

Just Outside 1/2 Mile Radius Area of Review  
(Well currently drilling)

5 1/2" e ± 11346'  
Cont to ± 2400'

$$\pm 11,346' \text{ MD}$$

TVD: 6600'±

9350'

KBR-Haus /

300 SHEETS MILLER	5 SQUARE
50 SHEETS EYE-EASE®	5 SQUARE
100 SHEETS EYE-EASE®	5 SQUARE
200 SHEETS EYE-EASE®	5 SQUARE
100 RECYCLED WHITE	5 SQUARE
200 RECYCLED WHITE	5 SQUARE

**Eastman National Brand**

Design TOC 2400

KOP 6122'

**VII.**

**WATER ANALYSIS**

# HALLIBURTON

## PERMAIN BASIN OPERATIONS LABORATORY WATER ANALYSIS REPORT HOBBS, NEW MEXICO

COMPANY Marbob REPORT W09-055  
DATE July 12, 2009  
DISTRICT Artesia

*Delaware Produced Water*

SUBMITTED BY \_\_\_\_\_

WELL COUNTY TANK SAMPLE	DEPTH FIELD	FORMATION SOURCE
Black River	Spanish Cedar 1	Wtr. Well C-00516
Sample Temp.	70 °F	70 °F
RESISTIVITY	15.8	0.054
SPECIFIC GR	1.000	1.154
pH	7.85	5.43
CALCIUM	750 mpl	30,000 mpl
MAGNESIUM	300 mpl	17,100 mpl
CHLORIDE	104 mpl	140,306 mpl
SULFATES	Light mpl	Light mpl
BICARBONATES	153 mpl	61 mpl
SOLUBLE IRON	0 mpl	25 mpl
<CL	N	N
Sodium	mpl	mpl
TDS	mpl	mpl
OIL GRAVITY	@ °F	@ °F

REMARKS

MPL = Milligrams per liter  
Resistivity measured in Ohm·m<sup>2</sup>/m

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 in concern and employees thereof receiving such report from Halliburton Co.

ANALYST \_\_\_\_\_

# HALLIBURTON

PERMAIN BASIN OPERATIONS LABORATORY  
WATER ANALYSIS REPORT  
HOBBS, NEW MEXICO

COMPANY Marbob

REPORT W08-156  
DATE November 25, 2008  
DISTRICT Hobbs

SUBMITTED BY Bone Spring Sand Produced Water

WELL Save DA 21 Fed. #1 DEPTH  FORMATION   
COUNTY  FIELD  SOURCE

## SAMPLE

Sample Temp.	70 °F				
RESISTIVITY	0.068				
SPECIFIC GR	1.095				
pH	6.53				
CALCIUM	7500 mpl				
MAGNESIUM	6000 mpl				
CHLORIDE	83125 mpl				
SULFATES	Light mpl				
BICARBONATES	231 mpl				
SOLUBLE IRON	0 mpl				
KCL	Negative				
Sodium		0 mpl		0 mpl	0 mpl
TDS		0 mpl		0 mpl	0 mpl
OIL GRAVITY	@ °F	@ °F		@ °F	@ °F

## REMARKS

MPL - Milligrams per liter  
Resistivity measured in 25°C, 1 cm

This report is the property of Halliburton Company and neither the report nor the data herein should be reproduced or used without first obtaining the express written approval of laboratory management. It may never be used for any purpose other than as authorized by any person authorized by Halliburton Company. This report is not to be used for any other purpose.

ANALYST HALLIBURTON

**X.**

**Dual Laterolog Across  
Across Proposed  
Delaware Sand Portion  
of Injection Interval**



DUAL LATEROLOG  
MICRO-SFL

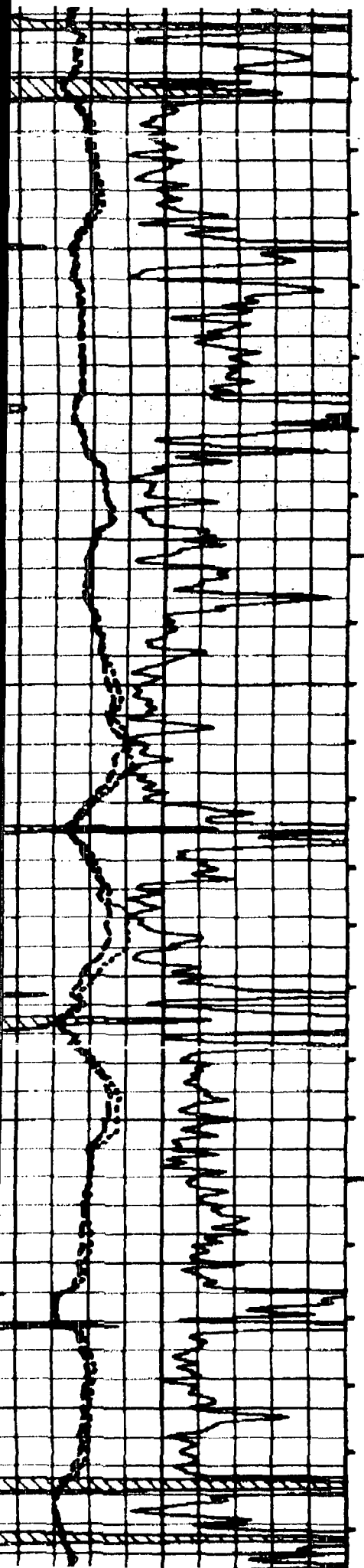
EDDY		WILDCAT	
1980' FRL & FEL		EAST APPLE STATE UNIT NO. 1	
YATES PETROLEUM CORPORATION		YATES PETROLEUM CORPORATION	
WELL		EAST APPLE STATE UNIT NO. 1	
FIELD		WILDCAT	
COUNTY		EDDY	
STATE		NEW MEXICO	
LOCATION		1980' FRL & FEL	
API SERIAL NO.		V-1085	
SECT.		5	
TRP.		28-S	
RANGE		28-E	
Other Services:		LDT/CHE DLR/RXO CYBER LOGNET	
Permanent Datum		GL	
Log Measured From		KB	
Drilling Measured From		KB	
Date		10-JUN-1989	
From No.		ONE	
Depth Drive		68000.0 F	
Depth Logger (Depth)		62900.0 F	
Start Log Interval		62670.0 F	
Top Log Interval		23400.0 F	
Logging-Driver		8 1/8 @ 23400.0 F	
Logging-Logger		23400.0 F	
Bit Size		7 7/8"	
Type Fluid in Hole		SALT GEL	
Visc.		8.60 LB/G	
pH		11.0	
Source of Sample		PT	
Run @ Spec. Temp.		.080 OHMM @ 76.0 DEG	
Run @ Spec. Temp.		.078 OHMM @ 76.0 DEG	
Run @ Spec. Temp.		.110 OHMM @ 76.0 DEG	
Source: NW/Perm		PRESS	
Run @ BHT		.048 OHMM @ 198 DEG	
Chronometer Read		0700	
Logger in Section		SSE LOG	
Max. Rec. Temp.		198 DEG	
Equip.		6234	
Location		ROSWELL	
Recorded by		PAT SULLIVAN	

The well name, location and borehole reference data were furnished by the customer.

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

Order No.	ONE
Order Order No.	484043
Logging Field Level	
Quality	68000.0 FPM
Run @ BHT	.048 OHMM @ 198 DEG
Run @ BHT	.082 OHMM @ 198 DEG
Logging Speed	2000.0 F/H-R
CALIBRATION DATA	
Tool Number 1	ONE 8801
Tool Number 2	NEC 1519
Tool Number 3	PDH 3884
Tool Number 4	PGD 3884
Tool Number 5	GBR 6679
Tool Number 6	NEC 1519
Tool Number 7	CNC 151
Tool Number 8	SLS 800
Tool Number 9	DLS 888
Tool Number 10	DLC 6234
Tool Number 11	CNS 3326
Tool Number 12	LCM 1768





4000

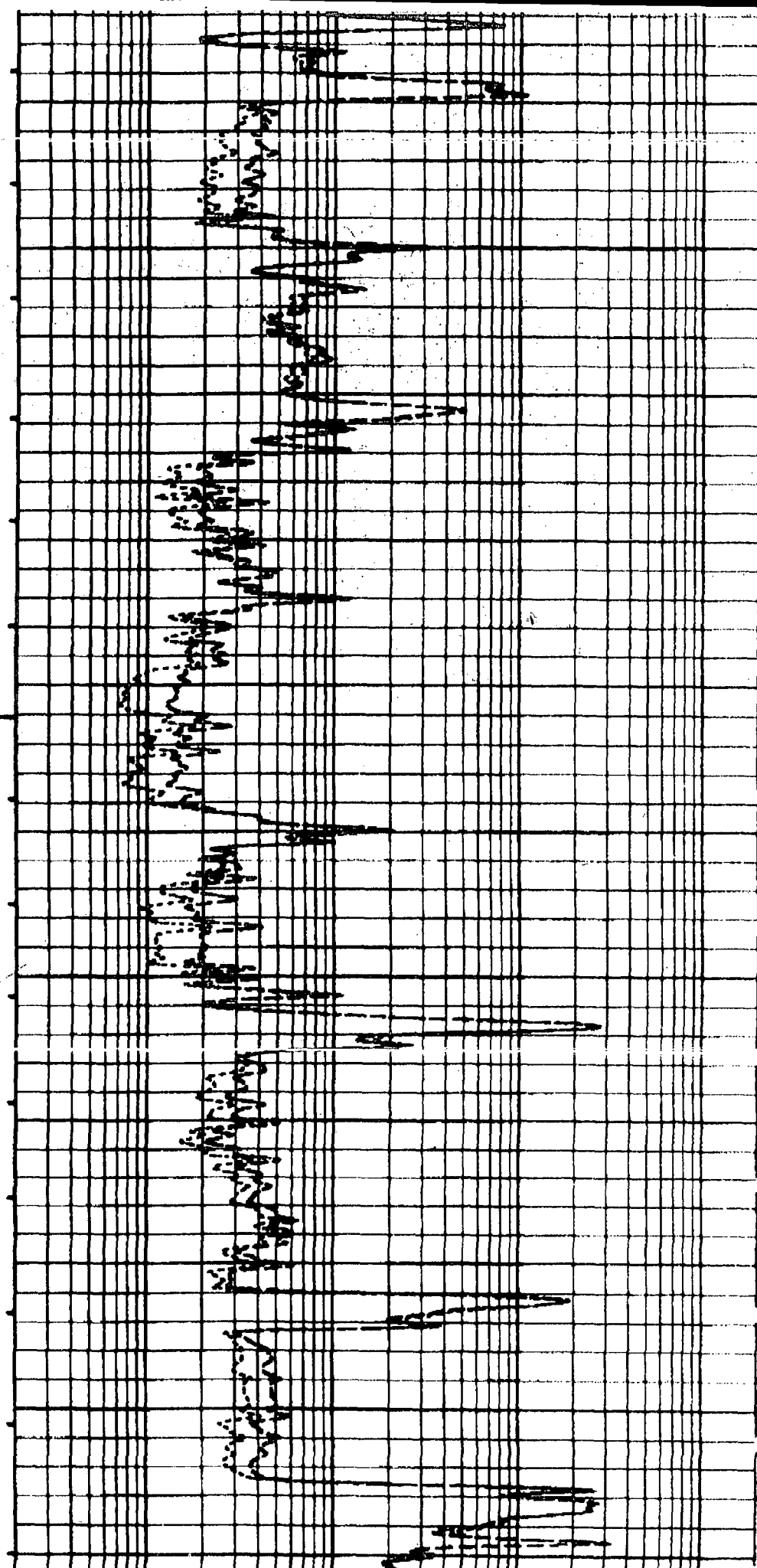
4100

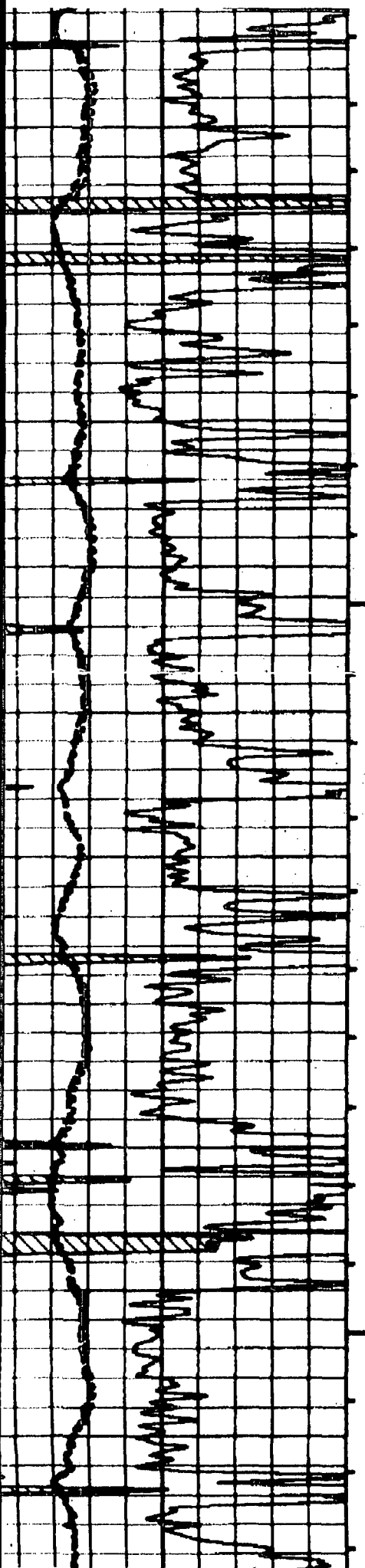
4200

4300

4400

4500





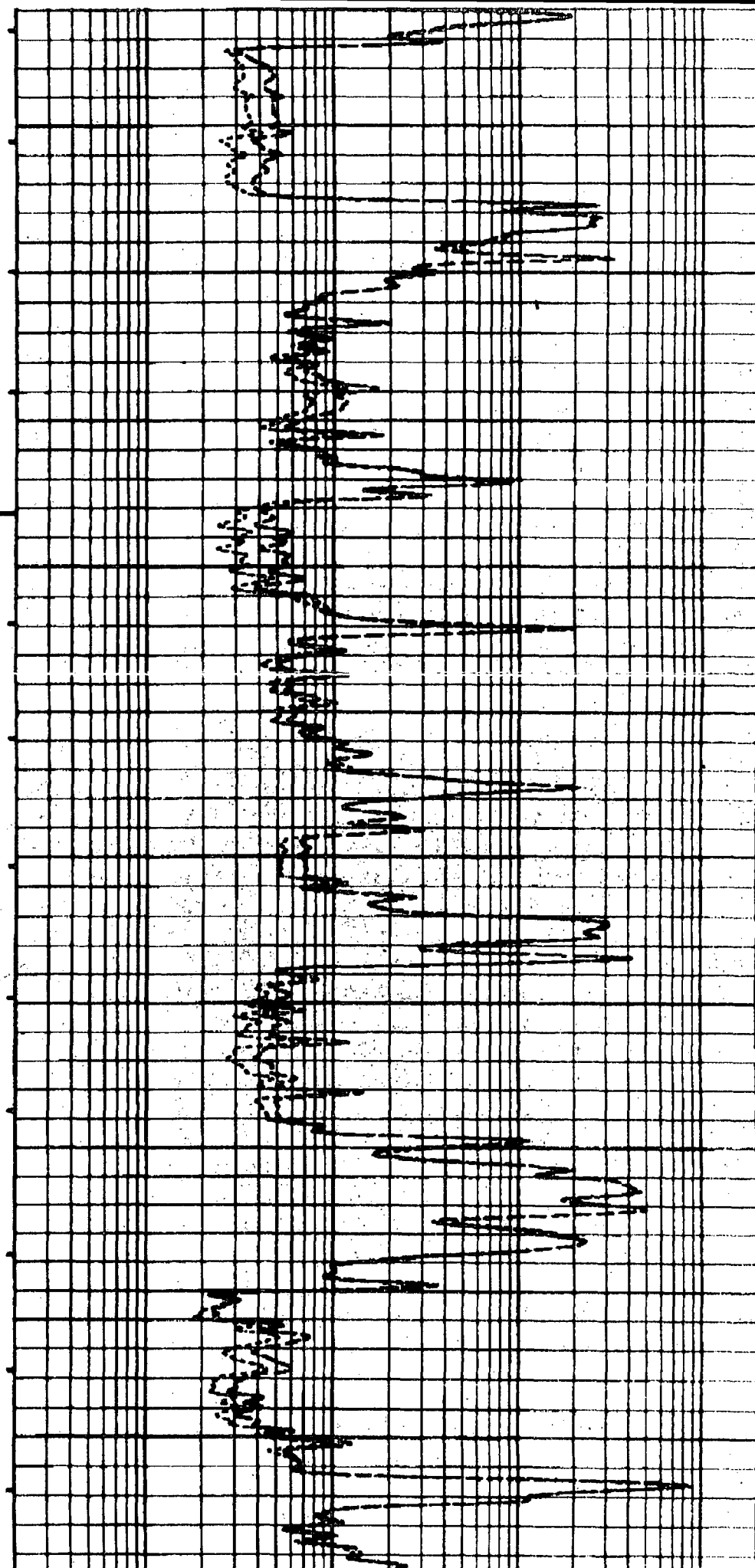
4500

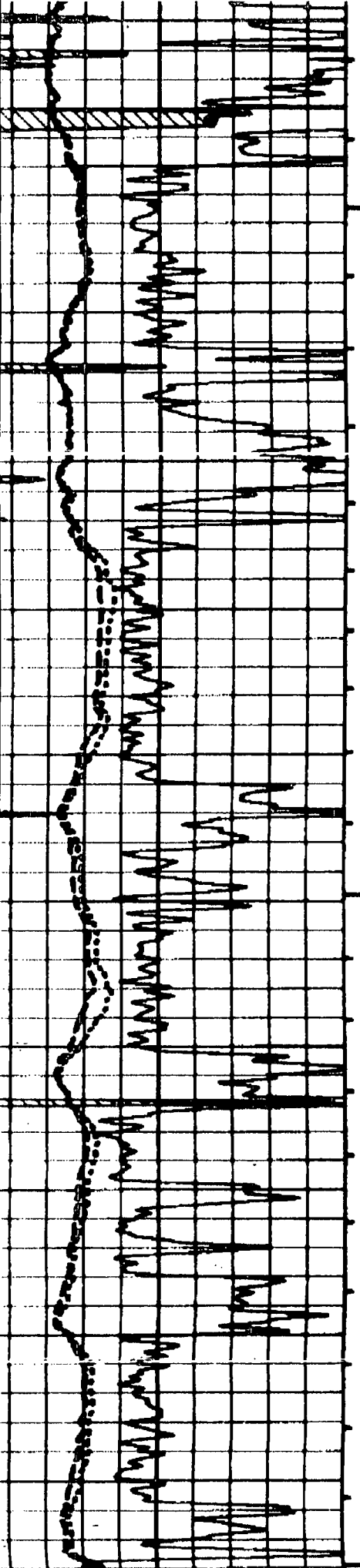
4600

4700

4800

4900





4800

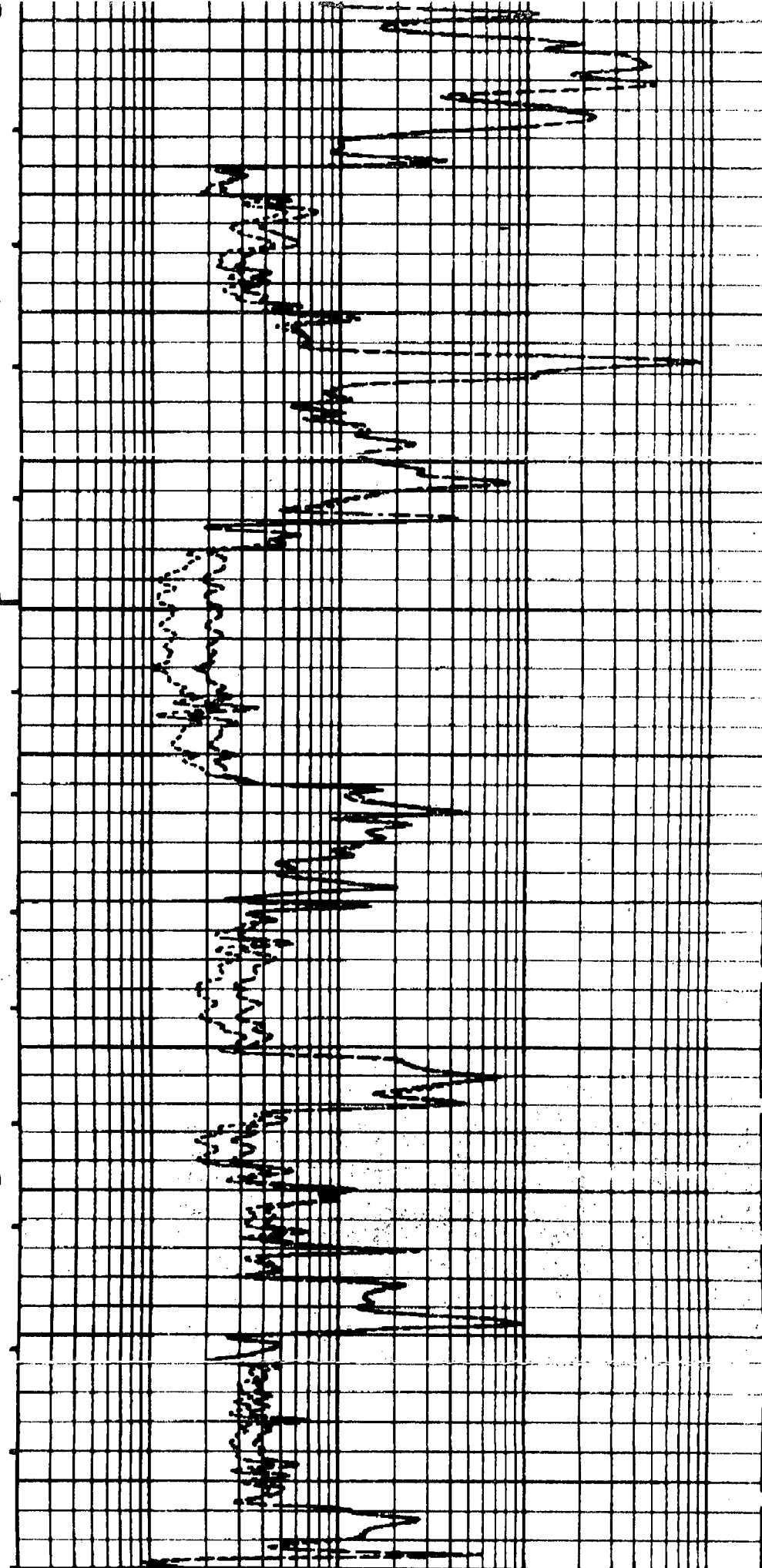
4900

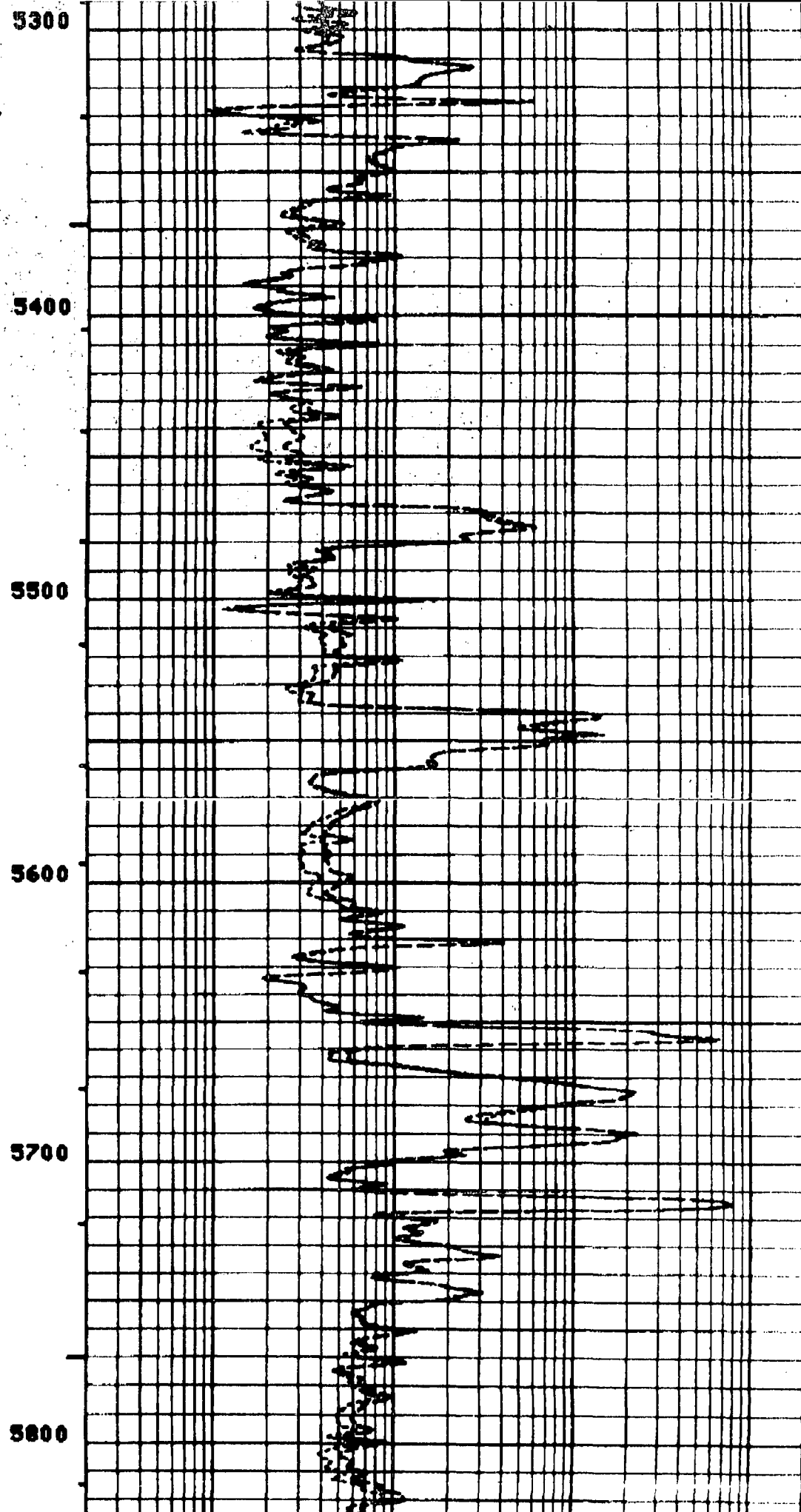
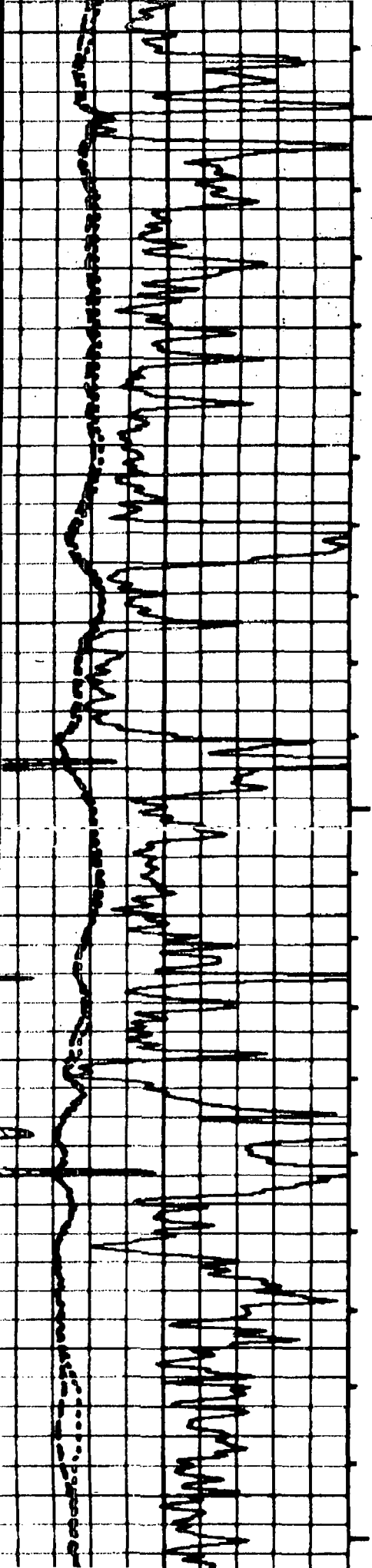
5000

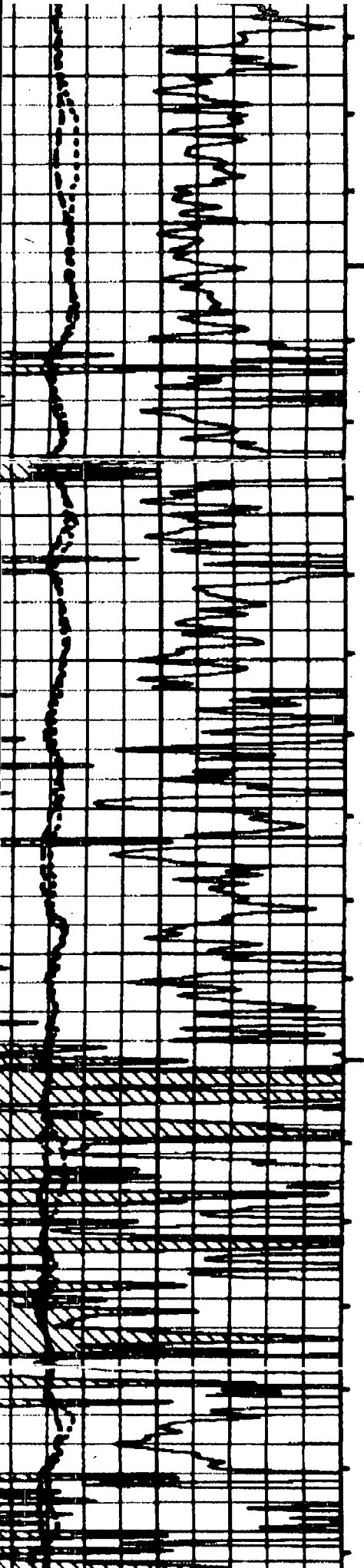
5100

5200

5300







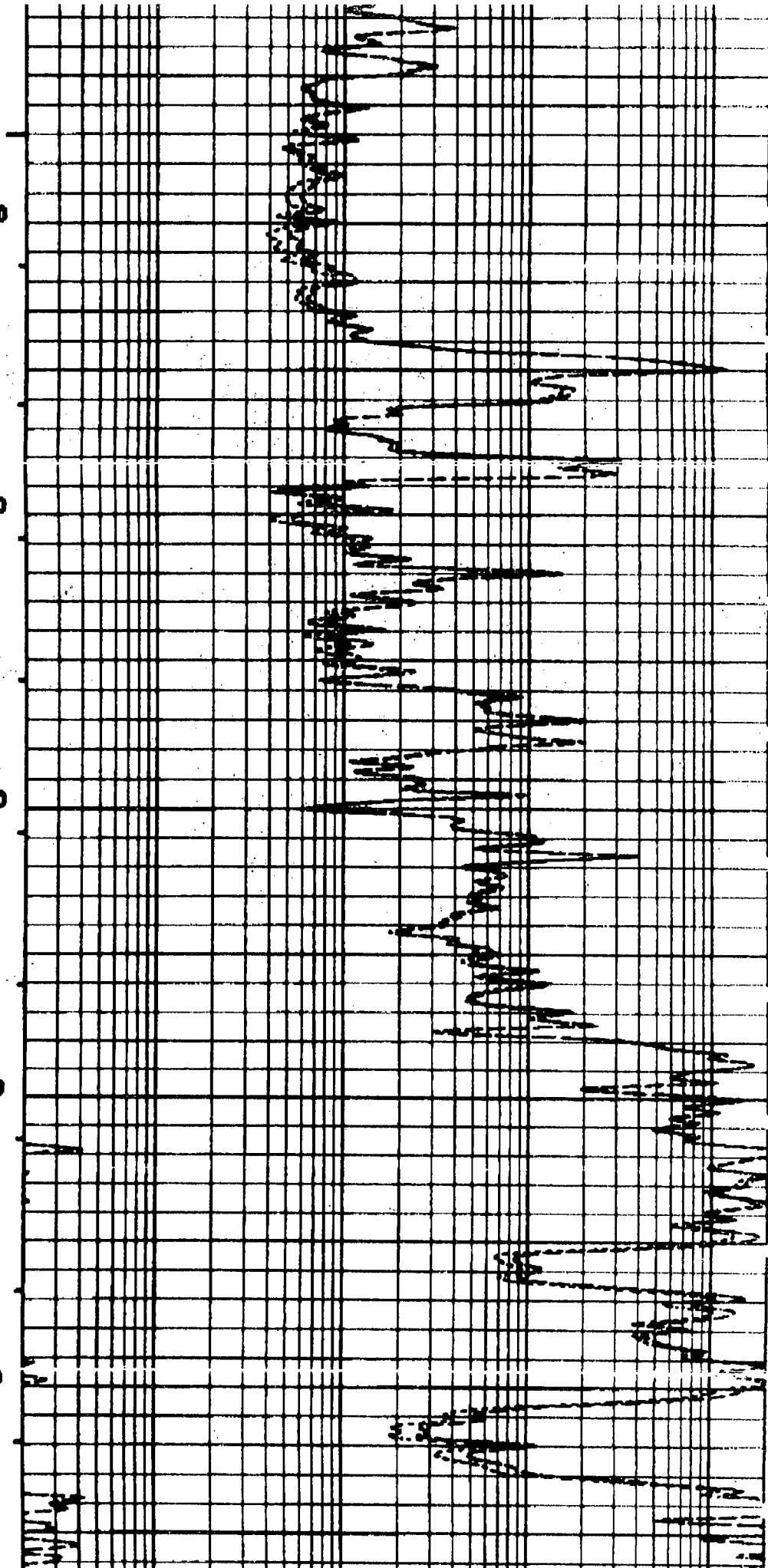
5800

5900

6000

6100

6200



# **XI.**

## **Fresh Water Sample Analyses**

# HALLIBURTON

## PERMAIN BASIN OPERATIONS LABORATORY WATER ANALYSIS REPORT HOBBS, NEW MEXICO

COMPANY Marbob

REPORT W09-059

DATE July 30, 2009

DISTRICT Hobbs

Stock Tank Water

NE 1/4 NW 1/4 Sec. 5 - 26s - 28e

SUBMITTED BY \_\_\_\_\_

WELL Stock Tanks DEPTH \_\_\_\_\_ FORMATION \_\_\_\_\_  
COUNTY \_\_\_\_\_ FIELD \_\_\_\_\_ SOURCE \_\_\_\_\_

SAMPLE	5-26S-28C	C-2160 5-S	C03413	
Sample Temp.	70 °F	70 °F	70 °F	°F
RESISTIVITY	15.8	3.41	3.41	
SPECIFIC GR.	1.000	1.002	1.002	
pH	8.57	8.12	7.89	
CALCIUM	700 mpl	1,000 mpl	1,150 mpl	mpl
MAGNESIUM	390 mpl	750 mpl	750 mpl	mpl
CHLORIDE	45 mpl	1,222 mpl	316 mpl	mpl
SULFATES	Light mpl	Moderate mpl	Moderate mpl	mpl
BICARBONATES	170 mpl	366 mpl	292 mpl	mpl
SOLUBLE IRON	0 mpl	0 mpl	0 mpl	mpl
KCL	Negative	Negative	Negative	
Sodium	mpl	mpl	mpl	0 mpl
TDS	mpl	mpl	mpl	0 mpl
OIL GRAVITY	@ °F	@ °F	@ °F	@ °F

REMARKS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

MPL = Milligrams per liter

Resitivity measured in: Ohm/m2/m

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 Co.

ANALYST: JH



# New Mexico Office of the State Engineer

## Point of Diversion by Location

(with Drilling Information)

(acre ft per annum)		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)		(in feet)	
WR File Nbr	Sub basin	Use	Diversion	County	POD Number	Grant	Source	q q q q	Depth
C 02478	STK	3	ED	C 02478			6416 4	2 1 05 26S 28E	Well
									Water
									100

Record Count: 1

**POD Search:**

POD Basin: Carlsbad

**PLSS Search:**

Section(s): 4-9

Township: 26S

Range: 28E

**Sorted by:** File Number

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.





# *New Mexico Office of the State Engineer*

## **Point of Diversion by Location**

(with Drilling Information)

**POD Search:**

POD Basin: Carlsbad

**PLSS Search:**

Section(s): 31-33

Township: 25S

Range: 28E

No PODs found.



**marbob**  
energy corporation

August 18, 2009

Artesia Daily Press  
P. O. Box 190  
Artesia, NM 88211-0190

Re: Legal Notice  
Water Disposal Well

Gentlemen:

Enclosed is a legal notice regarding New Mexico Oil Conservation Division C-108  
Application for Authorization to Inject for a salt water disposal well.

Please run this notice and return the proof of notice to the undersigned at Marbob  
Energy Corporation, P. O. Box 227, Artesia, NM 88211-0227.

Sincerely,

Brian Collins  
Petroleum Engineer

BC/dlw

enclosure

**ARTESIA DAILY PRESS**  
**LEGAL NOTICES**

Marbob Energy Corporation, Post Office Box 227, Artesia, New Mexico, 88211-0227, has filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the SRO 5 SWD#1, is located 1980' FNL 1980' FEL, Sec. 5, Township 26 South, Range 28 East, Eddy County, New Mexico. Disposal water will be sourced from area wells producing from the Delaware and Bone Spring formations. The disposal water will be injected into the Devonian formation at a depth of 4100-5500' at a maximum surface pressure of 820 psi and a maximum rate of 5000 BWPD. Any interested party who has an objection to this must give notice in writing to the Oil Conservation Division, 1220 South Saint Francis Street, Santa Fe, New Mexico, 87505, within fifteen (15) days of this notice. Any interested party with questions or comments may contact Brian Collins at Marbob Energy Corporation, Post Office Box 227, Artesia, New Mexico 88211-0227, or call 575-748-3303.

Published in the Artesia Daily Press, Artesia, New Mexico  
\_\_\_\_\_, 2009.



August 11, 2009

New Mexico State Land Office  
P. O. Box 1148  
Santa Fe, NM 87504-1148

Re: Application to Inject  
SRO 5 SWD #1  
Township 26 South, Range 28 East, NMPM  
Section 5: 1980 FNL 1980 FEL, Unit G  
Eddy County, New Mexico

Ladies and Gentlemen:

Enclosed for your review is a copy of Marbob Energy Corporation's application to convert the referenced well to salt water disposal. As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as an operator or surface owner. Any objections must be submitted in writing to NMOCD, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within fifteen (15) days of receipt of this letter.

Please do not hesitate to contact us should you have any questions.

Sincerely,

Brian Collins  
Petroleum Engineer

BC/dlw  
enclosure

**Jones, William V., EMNRD**

---

**From:** Debora Wilbourn [geology@marbob.com]  
**Sent:** Thursday, September 03, 2009 3:35 PM  
**To:** Jones, William V., EMNRD; Kathy Grantham  
**Subject:** Affidavits of Publication  
**Attachments:** Affidavit of Publication.pdf; Affidavit of Publication.pdf

SRO 5 Unit SWD #1  
SRO 10 Unit SWD #1

Debora L Wilbourn, GeoTech  
[geology@marbob.com](mailto:geology@marbob.com)  
Marbob Energy Corporation  
PH 575-748-3303

---

This inbound email has been scanned by the MessageLabs Email Security System.

---

# Affidavit of Publication

NO. 20831

STATE OF NEW MEXICO

County of Eddy:

GARY D. SCOTT being duly

sworn, says: That he is the PUBLISHER of The

Artesia Daily Press, a daily newspaper of general  
circulation, published in English at Artesia, said county  
and county and state, and that the here to attached

## Legal Notice

was published in a regular and entire issue of the said  
Artesia Daily Press, a daily newspaper duly qualified  
for that purpose within the meaning of Chapter 167 of  
the 1937 Session Laws of the state of New Mexico for

1 Consecutive week/days on the same  
day as follows:

First Publication September 1, 2009

Second Publication \_\_\_\_\_

Third Publication \_\_\_\_\_

Fourth Publication \_\_\_\_\_

Fifth Publication \_\_\_\_\_

Subscribed and sworn to before me this

1 Day September 2009



OFFICIAL SEAL  
Jo Morgan  
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 2/26/2012

Jo Morgan  
Notary Public, Eddy County, New Mexico

## Copy of Publication:

Marbob Energy  
Corporation, Post Office  
Box 227, Artesia, New  
Mexico, 88211-0227,  
has filed Form C-108  
(Application for  
Authorization to Inject)  
with the New Mexico Oil  
Conservation Division  
seeking administrative  
approval for a salt water  
disposal well. The pro-  
posed well, the SFD-3  
SWD#1, is located  
1980' FNL 1980' FEL,  
Sec. 5, Township 28  
South, Range 28 East,  
Eddy County, New  
Mexico. Disposal water  
will be sourced from  
area wells producing  
from the Delaware and  
Bone Spring formations.  
The disposal water will  
be injected into the  
Delaware formation at a  
depth of 4100-5500' at  
a maximum surface  
pressure of 820 psi and  
a maximum rate of  
5000 BWP/D. Any inter-  
ested party who has an  
objection to this must  
give notice in writing to  
the Oil Conservation  
Division, 1220 South  
Saint Francis Street,  
Santa Fe, New Mexico,  
87505, within fifteen  
(15) days of this notice.  
Any interested party  
with questions or com-  
ments may contact  
Brian Collins at Marbob  
Energy Corporation,  
Post Office Box 227,  
Artesia, New Mexico  
88211-0227, or call  
575-748-3308.

Published in the Artesia  
Daily Press, Artesia,  
NM September 1, 2009  
Legal No. 20831

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION  
P.O. Box 2083  
Santa Fe, New Mexico 87504-2083

WELL API NO.

30-015-26105

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.  
V-1085

7. Lease Name or Unit Agreement Name

East Apple State Unit

8. Well No.  
1

9. Pool name or Wildcat  
Delaware River-Bone Springs  
Unders. Delaware Pool

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. Type of Well:

OIL

WELL ☒

GAS

WELL ☐

OTHER

Approved by Order

DHC-808

2. Name of Operator

YATES PETROLEUM CORPORATION

3. Address of Operator

105 South 4th St., Artesia, NM 88210

4. Well Location

Unit Letter G : 1980 Feet From The North Line and 1980 Feet From The East Line

Section 5 Township 26S Range 28E NMPM Eddy County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3026' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Downhole Commingle ☒

12. 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.

7-23-91. POOH w/rods, pump and tubing. WIH w/overshot. Pulled RBP to 5050'. Went back in hole w/on/off tool. Latched onto RBP @ 6000'. Opened by-pass. POOH with RBP. Put well on pump.

Well is commingled by Administrative Order DHC-808 producing from perforations as follows:

Delaware perforations: 4765-5145'

Bone Spring perforations: 6812-7955'

Assignment of allocation of production will be as follows:

Delaware Pool: Oil 65%, Gas 0%

Bone Spring Pool: Oil 35%, Gas 100%

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

SIGNATURE

TITLE

Production Supervisor

DATE 8-16-91

TYPE OR PRINT NAME

Juanita Goodlett

TELEPHONE NO. 505/748-1471

(This space for State Use)

ORIGINAL SIGNED BY

MIKE WILLIAMS

APPROVED BY

SUPERVISOR, DISTRICT II

TITLE

DATE

SEP 24 1991

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

AUG 29 '89

O. C. D.

WELL API NO.  
30-015-26105

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.  
V-1085

7. Lease Name or Unit Agreement Name

East Apple State Unit

8. Well No.  
1

9. Pool name or Wildcat  
Wildcat

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. Type of Well:  
OIL WELL ☒ GAS WELL ☐ OTHER ☐ Change well status to oil.

2. Name of Operator  
YATES PETROLEUM CORPORATION

3. Address of Operator  
105 South 4th St., Artesia, NM 88210

4. Well Location  
Unit Letter G : 1980 Feet From The North Line and 1980 Feet From The East Line

Section 5 Township 26S Range 28E NMPM Eddy County

10. Elevation (Show whether DP, RKB, RT, GR, etc.)  
3026' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Perforate, Treat ☒

12. 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.

7-18-89. Acidized perms 6812-26' w/2000 gals 15% NEFE acid and 10 ball sealers. (Amended)  
7-21-89. Acidized perms 6209-18' w/1500 gals 7½% Spearhead acid. (Amended treatment report.)  
7-28-89. Frac'd perms w/20000 gals 40# Mini-Max III and 40000# 20/40 sand + 50 tons CO2.

Recovered load and tested well.

8-8-89. Set cement retainer at 7138'. Cemented w/75 sx Class C. Squeezed to 2500 psi.  
8-10-89. Drilled retainer and 15' cement. Circulated. Drilled thru perms 6209-18'. Cleaned out to RBP at 6270'. Circulated sand off top of plug. Pulled RBP from 6270'. WIH and perforated 7621-39' w/12 .42" holes as follows: 7621, 22, 23, 24, 25, 30, 31, 32, 33, 35, 36, and 7639'. Dropped bar. No show at surface. Acidized perms 7621-7639' (12 holes) w/1500 gals 7½% Spearhead acid.  
8-23-89. WIH and perforated 7911-7955' w/17 .42" holes as follows: 7911, 12, 13, 14, 16, 17, 18, 19, 45, 46, 47, 48, 49, 50, 53, 54 and 7955'. Acidized perms 7911-7955' w/2000 gals 7½% Spearhead acid.

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

SIGNATURE Juanita Goodlett TITLE Production Supervisor DATE 8-25-89

TYPE OR PRINT NAME Juanita Goodlett TELEPHONE NO. 505/748-1471

(This space for State Use)

ORIGINAL SIGNED BY  
MINERALS AND  
ENERGY DISTRICT II

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE AUG 29 1989

CONDITIONS OF APPROVAL, IF ANY:



Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO.

30-015-26105

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

V-1085

7. Lease Name or Unit Agreement Name

East Apple State Unit

8. Well No.

1

9. Pool name or Wildcat

Wildcat

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 RECEIVED  
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

JUL 20 '89

2. Name of Operator

YATES PETROLEUM CORPORATION

3. Address of Operator

105 South 4th St., Artesia, NM 88210

ARTESIA, OFFICE

4. Well Location

Unit Letter G : 1980 Feet From The North Line and 1980 Feet From The East Line

Section 5

Township 26S

Range 28E

NMPM

Eddy

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3026' GR

11.

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Production Casing, Perforate, Treat ☒

12. 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.

TD 8300'. Reached TD 10:00 PM 6-15-89. Ran 198 joints 5-1/2" as follows: 17 joints 5 1/2" 17# J-55 LT&C; 142 joints 5 1/2" 15.5# J-55 and 39 joints 5 1/2" 17# J-55 LT&C casing set 8300'. Float shoe set 8300', float collar set 8258'. DV tool set 5380'. Cemented in two stages as follows: Stage I - 385 sx Super "H", 5#/sx Salt, 5#/sx Hiseal, 1/2#/sx Celloseal (yield 2.03, wt 12.0). PD 1:20 PM 6-17-89. Opened DV tool and circulated 4-1/2 hrs. Stage II - 590 sx Super "H", 5#/sx Salt, 5#/sx Hiseal, 1/2#/sx Celloseal (yield 2.03, wt 12.0). PD 6:45 PM 6-17-89. Bumped plug to 1000 psi for 30 minutes, released pressure float and casing held OK. WOCU 17 days. Drilled out DV tool at 5380' and cleaned out hole to 8250'. Tested casing to 1000 psi. Perforated 7115-7136' w/16 .41" holes as follows: 7115-25' (11 Holes-1 SPF); 7132-36' (5 holes-1 SPF). Treated perforations 7115-7136' w/ 1500 gals 7 1/2% Spearhead acid and 15 ball sealers. Frac perforations 7115-7136' w/20000 gals Mini-Max 40, 50000# 20/40 sand and 55 tons of CO2. WIH and perforated 6812, 13, 15, 17, 18, 19, 20, 23, 24, 26'(10-.41" holes) 6209-6218' (10-.41"holes-1SPF). Treat perms w/2000 gal

I hereby certify that the information above is true and complete to the best of my knowledge and belief. NEFE acid and 10 ball sealers.

SIGNATURE

*Juanita Goodlett*

TITLE

Production Supervisor

DATE

7-19-89

TYPE OR PRINT NAME

Juanita Goodlett

TELEPHONE NO. 505/748-1471

(This space for State Use)

ORIGINAL SIGNED BY

*Juanita Goodlett*

APPROVED BY

*Juanita Goodlett*

TITLE

DATE

JUL 21 1989

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

OCT -3 '89

YATES PETROLEUM CORPORATION

EAST APPLE STATE UNIT #1, V-1085  
Unit G, 1980' FNL & 1980' FEL  
Sec. 5-T26S-R28E, Eddy County, NM

C. C. D.  
ADDRESS ONLY

DRILL STEM TESTS

DST #1 4975-5003' DELAWARE: TIMES: TO 15', SI 60'; TO 60", SI 180".  
Opened with very weak blow, less than 1" in bucket. SI. Reopened with  
no blow in bucket. RECOVERY - 3' (100%) oil on top. Bottom recovered  
267' (100%) drilling mud, CI 50,000. SAMPLER: .1 cfg, 1900 cc mud at  
70 psi. Rw .12 @90°, CI 50,000. BHT: 110°. PRESSURES: IHP 2278,  
IFP 41-50, ISIP 2278, FFP 59-106, FSIP 2278, FHP 2278.

DST #2 7060-7139' (79') BONE SPRINGS: TIMES: TO 15", SI 60"; TO  
60", SI 180"; TO 60", SI 30". Opened tool on bubble hose to bottom  
bucket, increased to 2.25 psi. SI 60 minutes. Opened 2nd flow with  
36 oz, increased to 40 oz in 10 mins then decreased to 34 oz in 60 mins.  
SI 60 mins. Opened for final flow with 63 oz then decreased to 5 oz. SI  
30 mins. RECOVERY: 90' drilling fluid and 5' oil (39 API @60°). SAMPLER:  
.2 cfg, 300 cc mud and 26 psi. PRESSURES: IHP 3348, IFP 135-102, ISIP  
760; 2nd FP 92-98, 2nd SIP 1769; FFP 107-102, FSIP 426, FHP 3363.

DST #3 7976-7789' 2ND BONE SPRING (187'): TO 15", good blow to bottom  
of bucket from 1 oz to 3 oz. SI 60". TO 60" - good blow, 2 oz. SI 180".  
FF TO 60" - good blow, 1 oz. SI 30". RECOVERY: 38' gas cut drilling  
mud, Rw .12 at 60°, CL 80000. SAMPLER: .03 cfg, 1550 cc mud total (1300  
cc gas cut drilling mud + 250 cc oil gas cut) at 65 psi, Rw .11 at 60°,  
CI 80000. PRESSURES: BOTTOM: IHP 3688, 1st FP 140-128, 1st SI 278,  
2nd FP 115-115, 2nd SI 465, FFP 115-78, FSIP 190, FHP 3688.

**Jones, William V., EMNRD**

---

**From:** Jones, William V., EMNRD  
**Sent:** Tuesday, September 15, 2009 1:13 PM  
**To:** 'Brian Collins'  
**Cc:** Ezeanyim, Richard, EMNRD  
**Subject:** SWD application from Marbob: SRO 5 SWD #1 30-015-26105

Hello Mr. Brian:

Only a couple questions:

1. The ½ mile Midland map shows OGX and Yates as lessees within ½ mile of this well. Please ask your Landman and let me know if Marbob is now the lessee or controls the minerals in the Delaware in this well and in the surrounding ½ mile including all the old Yates and OGX acreage?
2. As part of the conversion procedure, the OCD requires a CIBP within 200 feet of the lowermost injection perforation – one was not shown on your diagram.
3. It appears that portions of this proposed Delaware interval was producing (per DHC-808). Do you know anything about the cumulative production from this interval?

Take Care,

William V. Jones PE  
New Mexico Oil Conservation Division  
1220 South St. Francis  
Santa Fe, NM 87505  
505-476-3448

**Jones, William V., EMNRD**

---

**From:** Ross Duncan [rduncan@marbob.com]  
**Sent:** Wednesday, September 16, 2009 1:53 PM  
**To:** Jones, William V., EMNRD  
**Cc:** 'Brian Collins'  
**Subject:** FW: SWD application from Marbob: SRO 10 SWD #1 30-015-25864

William:

Please see below for information regarding your questions to Brian Collins on the SRO 10 SWD #1 and SRO 5 SWD #1:

SRO 10 SWD #1 – We have YPC under a Joint Operating Agreement, Marbob as Operator, covering the lands and depths in question.

SRO 5 SWD #1 – We have YPC and Legend (Legend purchased OGX) under a Joint Operating Agreement, Marbob as Operator, covering the lands and depths in question.

Please let me know if you need anything else.

Thanks,  
Marbob Energy Corporation

Ross Duncan

---

**From:** Brian Collins [mailto:bcollins@marbob.com]  
**Sent:** Wednesday, September 16, 2009 9:57 AM  
**To:** Ross Duncan  
**Subject:** Fw: SWD application from Marbob: SRO 10 SWD #1 30-015-25864

----- Original Message -----

**From:** Jones, William V., EMNRD  
**To:** Brian Collins  
**Cc:** Ezeanyim, Richard, EMNRD ; Reeves, Jacqueta, EMNRD  
**Sent:** Wednesday, September 16, 2009 9:05 AM  
**Subject:** SWD application from Marbob: SRO 10 SWD #1 30-015-25864

Hello Brian:

You must have found the logs for this one – I see a resis log on the web site.

Only a notice question for this one:

The ½ mile Midland map shows Yates as lessee within ½ mile of this well. Please ask your Landman and let me know if Marbob is now the lessee (or controls the minerals) in the Delaware in this well and in the surrounding ½ mile including all the old Yates acreage?

Regards,

William V. Jones PE  
New Mexico Oil Conservation Division  
1220 South St. Francis  
Santa Fe, NM 87505

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the MessageLabs Email Security System.

---

This inbound email has been scanned by the MessageLabs Email Security System.

---

## Jones, William V., EMNRD

---

**From:** Brian Collins [bcollins@marbob.com]  
**Sent:** Wednesday, September 16, 2009 9:25 AM  
**To:** Jones, William V., EMNRD  
**Subject:** Re: SWD application from Marbob: SRO 5 SWD #1 30-015-26105

Will:

1. Our land guys will send you an explanation of the lease/operator situation.
2. If you incorporate CIBP requirement into SWD order, I'll put it in the conversion procedure.
3. The cumulative Delaware production was 2364 BO/ 0 MCF/ 40497 BW.

Let me know if you need anything else. Take care.

Brian Collins  
Marbob Energy  
[bcollins@marbob.com](mailto:bcollins@marbob.com)

----- Original Message -----

**From:** Jones, William V., EMNRD  
**To:** Brian Collins  
**Cc:** Ezeanyim, Richard, EMNRD  
**Sent:** Tuesday, September 15, 2009 1:12 PM  
**Subject:** SWD application from Marbob: SRO 5 SWD #1 30-015-26105

Hello Mr. Brian:

Only a couple questions:

1. The ½ mile Midland map shows OGX and Yates as lessees within ½ mile of this well. Please ask your Landman and let me know if Marbob is now the lessee or controls the minerals in the Delaware in this well and in the surrounding ½ mile including all the old Yates and OGX acreage?
2. As part of the conversion procedure, the OCD requires a CIBP within 200 feet of the lowermost injection perforation – one was not shown on your diagram.
3. It appears that portions of this proposed Delaware interval was producing (per DHC-808). Do you know anything about the cumulative production from this interval?

Take Care,

William V. Jones PE  
New Mexico Oil Conservation Division  
1220 South St. Francis  
Santa Fe, NM 87505  
505-476-3448

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has

been scanned by the Sybari - Antigen Email System.

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the MessageLabs Email Security System.

---

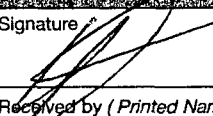
This inbound email has been scanned by the MessageLabs Email Security System.

---

SRO 5 SWD #1  
1980 FNL 1980 FEL  
SEC. 5-T26S-R28E  
EDDY COUNTY, NM

Proof of Notice of surface owner

RECEIVED  
2009 SEP - 3 P 12

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<input checked="" type="checkbox"/> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. <input checked="" type="checkbox"/> Print your name and address on the reverse so that we can return the card to you. <input checked="" type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits.		A. Signature <b>X</b>  <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to:  <b>NM STATE LAND OFFICE P O BOX 1148 SANTA FE NM 87504-1148</b>		B. Received by (Printed Name)  <b>SEP 02 2009</b>	C. Date of Delivery  <b>AUG 28 2009</b>
		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
2. Article Number (Transfer from service label)		<b>7006 0810 0000 8979 6988</b>	

PS Form 3811, February 2004 **DW** Domestic Return Receipt **SRO 5** 102595-02-M-1540



Injection Permit Checklist (8/14/09)

Case \_\_\_\_\_ R-\_\_\_\_\_ SWD 1192 WFX \_\_\_\_\_ PMX \_\_\_\_\_ IPI \_\_\_\_\_ Permit Date 9/16/09 UIC (J.A.S.)

# Wells 1 Well Name: SRO 5 SWD #1

API Num: (30-) 015-26105 Spud Date: 1989 New/Old N (UIC primacy March 7, 1982)

Footages 1980 FNL/1980 FEL Unit G Sec 5 Tsp 26S Rge 28E County EDDY

Operator: Marbor Energy Corp. Contact Brian Collins

OGRID: 14049 RULE 5.9 Compliance (Wells) 1/1274 (Finan Assur) OK OK

Operator Address: P.O. Box 227, Arden NM 88211-0227

Current Status of Well: PEA

Planned Work to Well: Re-entering Planned Tubing Size/Depth: 2 7/8 @ 4050'

	Sizes Hole.....Pipe	Setting Depths	Cement Sx or Cf	Cement Top and Determination Method
Existing <input checked="" type="checkbox"/> Surface	<u>17 1/2 13 3/8</u>	<u>450</u>	<u>500</u>	<u>CIRC</u>
Existing <input checked="" type="checkbox"/> Intermediate	<u>11 8 5/8</u>	<u>2340</u>	<u>1000</u>	<u>CIRC</u>
Existing <input checked="" type="checkbox"/> Long String	<u>7 7/8 5 1/2</u>	<u>8300</u>	<u>975</u>	<u>1200' F.P.</u>

DV Tool 5380 Open Hole Total Depth 8300'

Well File Reviewed ☒

Diagrams: Before Conversion ☒ After Conversion ☒ Elogs in Imaging File: ☒

Intervals:	Depths	Formation	Producing (Yes/No)
Above (Name and Top)			
Above (Name and Top)			
Injection..... Interval TOP:	<u>4100</u>	<u>Del</u>	
Injection..... Interval BOTTOM:	<u>5500</u>	<u>Del</u>	
Below (Name and Top)			

820 PSI Max. WHIP  
Open Hole (Y/N) \_\_\_\_\_  
Deviated Hole? \_\_\_\_\_

Sensitive Areas: Capitan Reef Cliff House Salt Depths

.... Potash Area (R-111-P) Potash Lessee Noticed?

Fresh Water: Depths: \_\_\_\_\_ Wells Yes Analysis? Yes Affirmative Statement ☒

Disposal Fluid Sources: Del/B.S. Analysis? \_\_\_\_\_

Disposal Interval Production Potential/Testing/Analysis Analysis: \_\_\_\_\_

Notice: Newspaper(Y/N) \_\_\_\_\_ Surface Owner SLO. Mineral Owner(s) \_\_\_\_\_

RULE 26.7(A) Affected Parties: Kate TOGX = ? ?

Area of Review: Adequate Map (Y/N) ☒ and Well List (Y/N) ☒

Active Wells 0 Num Repairs 0 Producing in Injection Interval in AOR \_\_\_\_\_

..P&A Wells 0 Num Repairs 0 All Wellbore Diagrams Included? \_\_\_\_\_

Questions to be Answered:

Statement about ownership  
Del Prod History

Required Work on This Well: \_\_\_\_\_ Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_

AOR Repairs Needed: \_\_\_\_\_ Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_

\_\_\_\_\_ Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_