

DATE IN 1/26/10	SUSPENSE	ENGINEER WS	LOGGED IN 1-27-10	TYPE SWD-1195-A	APP NO. 1002737495
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ABOVE THIS LINE FOR DIVISION USE ONLY

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



Marbob Energy

**ADMINISTRATIVE APPLICATION CHECKLIST** SR016 SWD #1

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

30-015-21398

**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] **OPERATOR/Applicant** Name: \_\_\_\_\_ OGRD: \_\_\_\_\_  
 (If one well) Lease/Well Name: \_\_\_\_\_  
 Well API No. 30- \_\_\_\_\_

[2] **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

*Amendment To Lower  
Bottom Disposal Interval*

[3] **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  
U.S. Bureau of Land Management  
 [E] ☐ Notification and/or Concurrent Approval by SLO  
Commissioner of Public Lands, State Land Office  
 [F] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,  
 [G] ☐ Waivers are Attached

[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.

Print or Type Name	Signature	Title	Date
		e-mail Address	



RECEIVED  
2010 JAN 26 AM 8 29

January 20, 2010

Mr. Will Jones  
New Mexico Energy, Minerals & Resources Department  
Oil Conservation Division  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505

RE: Request to Amend C-108  
Administrative Order SWD-1195  
Marbob Energy SRO 16 SWD No. 1  
1980' FNL, 1980' FEL  
Unit G, Section 16, T26S-R28E  
Eddy County  
API #30-015-21398

Dear Mr. Jones:

Marbob Energy requests approval to modify the captioned SWD Order -1195 to increase the bottom of the Devonian open hole injection interval from 15100' to 15400', a 300' increase in depth. While deepening to the originally proposed TD of 15100', we encountered 200' of slow drilling, tight limestone. This effectively reduced our proposed open hole disposal interval by 200'. We decided to drill the well 300' deeper in hopes of getting back into porous dolomite to ensure that we will have a high capacity, long term Devonian SWD well that justifies the over \$3,000,000 we have spent on it. We did get into porous dolomite in the bottom portion of the well as hoped.

We believe that we are still in the Devonian formation and did not see any significant shows while deepening below the intended target depth (mudlog is attached). There are no producing intervals below the Pennsylvanian aged Morrow in this area. This well was originally drilled as a Devonian test in 1974. The Devonian tested water on a DST and the well was plugged.

A copy of our newspaper notice request and letters to the State Land Office and Yates Petroleum Corporation are attached. Please email me at [bcollins@marbob.com](mailto:bcollins@marbob.com) or call me at 575-748-3303 if you have questions.

Sincerely,

Brian Collins  
Petroleum Engineer

BC/dlw  
Attachments

**Jones, William V., EMNRD**

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**From:** Brian Collins [bcollins@marbob.com]  
**Sent:** Monday, January 18, 2010 6:53 AM  
**To:** Jones, William V., EMNRD  
**Subject:** SRO 16 SWD 1 Order SWD-1195

Will:

We encountered less dolomite and more limestone than expected when drilling the Devonian from 14572-15100' as originally permitted. We're drilling a little deeper to see if we can pick up some more dolomite and I was wondering how you wanted me to handle modifying the C-108 on this well. I'm going to re-submit the newspaper notice and the letter notifying the State Land Office today or tomorrow. We will not complete the well or inject any water until we get final approval from you.

We've drilled deeper (I'll find out this morning how deep we went and let you know) because we've sunk about \$3,500,000 into this well and we have to use the drilling rig for deepening due to the depth of the well. I'll be on a frac job today and can be reached on my cell phone at 575-748-5558 if you need to visit with me. Thanks.

Brian Collins  
Marbob Energy  
[bcollins@marbob.com](mailto:bcollins@marbob.com)  
575-748-3303

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This inbound email has been scanned for malicious software and transmitted safely to you using Webroot Email Security.

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January 20, 2010

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

Re: Administrative order SWD-1195  
Application to Inject  
SRO 16 SWD #1  
Township 26 South, Range 28 East, NMPM  
Section 16: 1980 FNL 1980 FEL, Unit G  
Eddy County, New Mexico

Ladies and Gentlemen:

We are giving you a courtesy notification that we have increased the depth of the bottom of the Devonian disposal interval from 15100' to 15400' to ensure we have enough dolomite present for SWD service. We encountered approximately 200' of tight limestone in the original proposed interval and needed to drill deeper to get back into porous dolomite.

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

Sincerely,

Brian Collins  
Petroleum Engineer

BC/dlw  
enclosure



January 20, 2010

Yates Petroleum Corporation  
104 S. 4<sup>th</sup> St.  
Artesia, NM 88210

Re: Administrative order SWD-1195  
Application to Inject  
SRO 16 SWD #1  
Township 26 South, Range 28 East, NMPM  
Section 16: 1980 FNL 1980 FEL, Unit G  
Eddy County, New Mexico

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

Sincerely,

Brian Collins  
Petroleum Engineer

BC/dlw  
enclosure

**Jones, William V., EMNRD**

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**From:** Debora Wilbourn [geology@marbob.com]  
**Sent:** Monday, February 01, 2010 1:43 PM  
**To:** Jones, William V., EMNRD  
**Subject:** SRO 16 SWD #1 - Amended depth  
**Attachments:** Affidavit of Publication - amend depth.pdf; Proof of Notice NMSL & YPC - amended.pdf

Will,

Here are the proofs of notice and the Affidavit of Publication for the referenced well.

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

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This inbound email has been scanned for malicious software and transmitted safely to you using Webroot Email Security.

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**Marbob**

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**From:** "Debora Wilbourn" <geology@marbob.com>  
**To:** "Artesia Daily Press Legals" <legals@artesianews.com>  
**Sent:** Wednesday, January 20, 2010 2:16 PM  
**Attach:** Legal Notice.doc  
**Subject:** SRO 16 SWD #1

Jo,

Could you please run this legal ASAP?

Thanks,

Debora L Wilbourn, GeoTech

[geology@marbob.com](mailto:geology@marbob.com)

Marbob Energy Corporation

PH 575-748-3303

**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 16 SWD #1, is located 1980' FNL 1980' FEL, Sec. 16, 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 14525-15400' at a maximum surface pressure of 2905 psi and a maximum rate of 20,000 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  
\_\_\_\_\_, 2010

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JAN 29 2010

# Affidavit of Publication

NO. 20991

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 January 22, 2010

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Subscribed and sworn to before me this

22 Day January 2010



OFFICIAL SEAL  
Jo Morgan  
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 6/26/2012

*Jo Morgan*  
Notary Public, Eddy County, New Mexico

## Copy of Publication:

### LEGAL NOTICE

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 dis-  
posal well. The proposed  
well, the SRO 16 SWD #1, is  
located 1980' FNL 1980' FEL,  
Sec. 16, Township 26 South,  
Range 28 East, Eddy County,  
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2905 psi and a maximum rate  
of 20,000 BWPD. Any inter-  
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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 inter-  
ested 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,  
January 22, 2010.  
Legal No. 20991

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

JAN 28 2010

NM STATE LAND OFFICE  
P O BOX 1148  
SANTA FE NM 87504-1148

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes  
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number

7006 0810 0000 8979 7046

(Transfer from service label)

PS Form 3811, February 2004 DW Domestic Return Receipt SRO 16-Depth

102595-02-M-1540

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

YATES PETROLEUM CORPORATION  
105 S 4TH ST  
ARTESIA NM 88210

JAN 26 2010

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes  
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

Article Number

7006 0810 0000 8979 7039

(Transfer from service label)

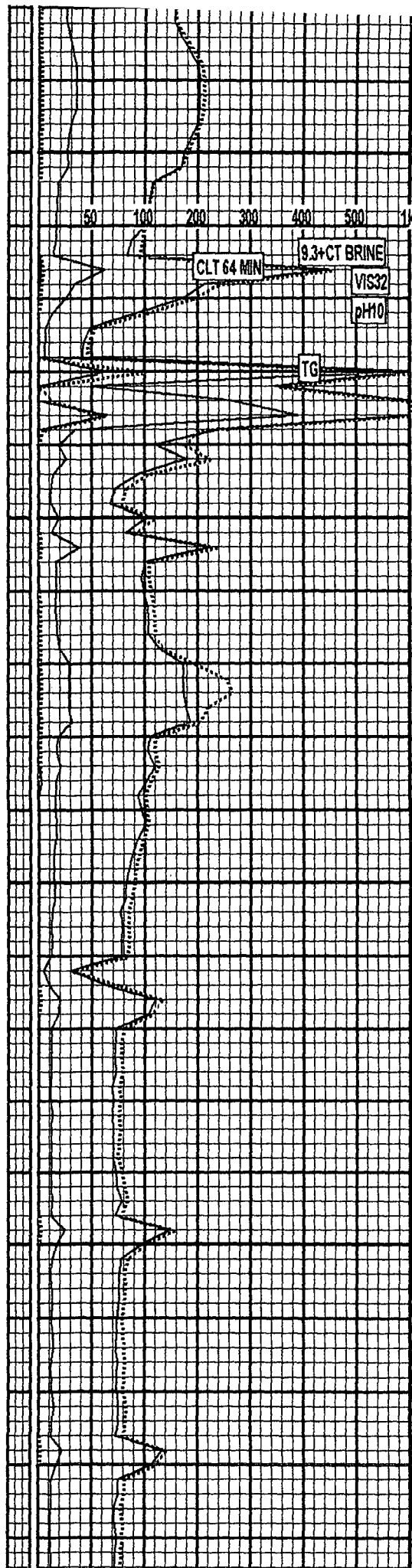
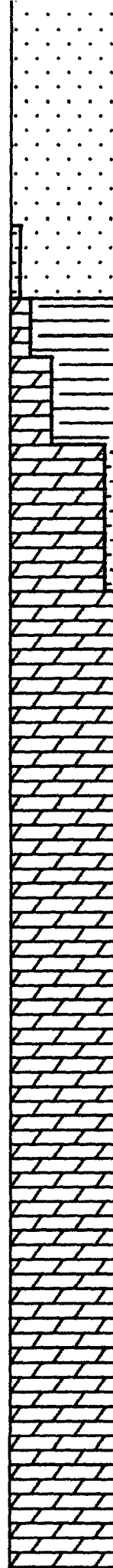
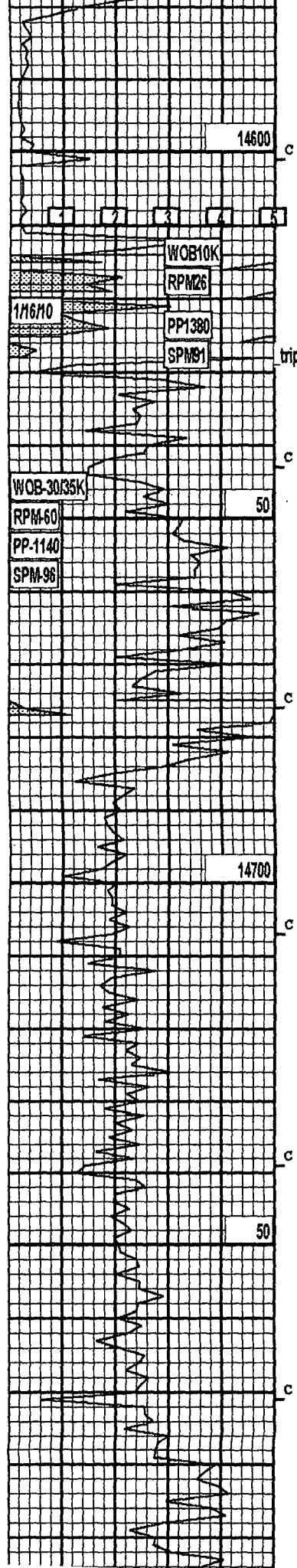
PS Form 3811, February 2004 DW Domestic Return Receipt SRO 16-Depth

102595-02-M-1540

**(432) 528-4228**

Geologist: BRENT MAY Engineer: SHERYL BAKER

Drilling Rate MIN/FT	Via Por Tr f p g	Lithology	% Oil Flu Tr pfg pg	Cut Tr pg	Total Gas/Chromatograph	Descriptions/Remarks
<div> <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> </div> <div>12/27 &amp; 28/09</div> <div>50</div>					<div> <div>50</div> <div>100</div> <div>200</div> <div>300</div> <div>400</div> <div>500</div> <div>1k</div> </div>	14570' REENTER JAKE HARMON, WELL PLUGGED IN THE LATE 70s, ORIGINAL TD



1/8", Varel, DH1GMRS, jets open

\*\*\*\*\*

CEMT:

SH:dkgy gy bk,blky  
hd to frm,diss pyr,  
carb,calc ip

\*\*\*\*\*

14629' TOOH bit 10, TIH  
NB11, 6&1/8", HFC, STX50DX  
JETS 3X16

\*\*\*\*\*

DOL:wh crm tn,micro to  
fxln,hd to frm,cln to  
sl/arg,succ ip, tr pyr,  
faint mnrl fluor

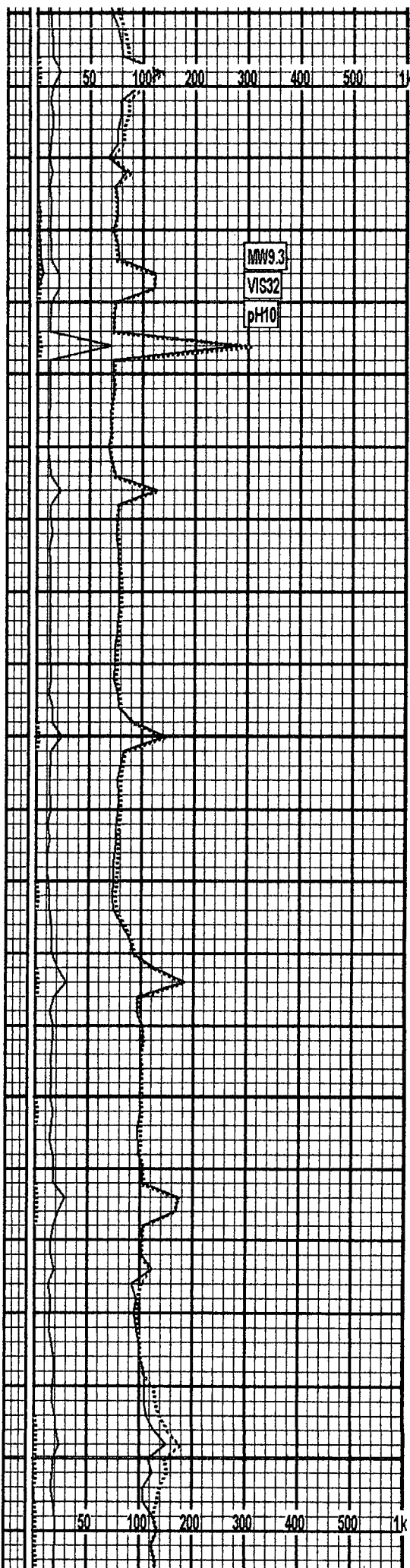
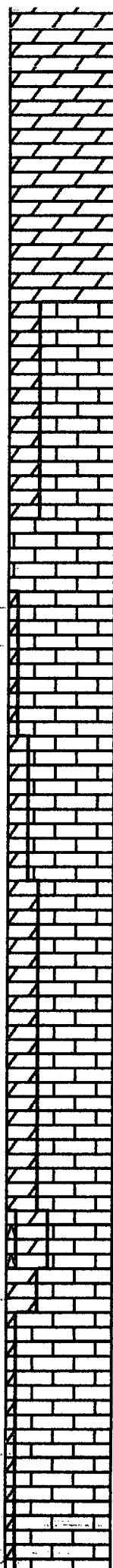
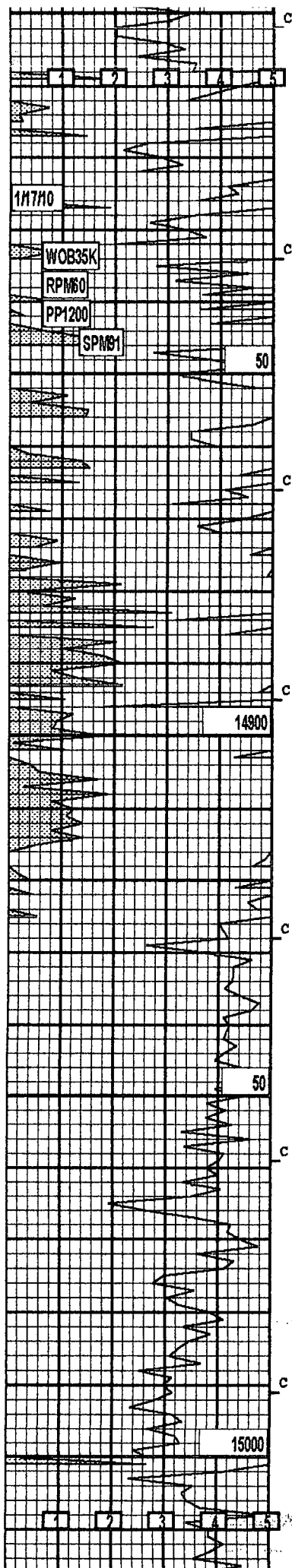
DOL:wh trnsf tn,micro  
to fxln,sft to hd,cln,  
succ,faint mnrl fl

DOL:wh tn crm,micro to  
vxln,hd to sft,succ ip,  
occ dns,cln

DOL:wh tn bn,micro to  
fxln,hd to sft,succ ip  
cln

DOL:wh trnsf occ crm,  
micro to fxln,hd to sft  
succ ip,cln

DOL:wh trnsf crm tn,  
micro to fxln,hd to sft  
succ ip,cln



DOL:wh bn trns1,micro to  
fxln,hd to sft,succ  
ip,sm dns,cln

LS:bn tn,micro to vfx,  
hd to sft,cln,slr dolo  
ip,no fl

LS:ltbn tn crm,micro to  
vfx,hd to sft,cln,tr  
dolomitic,no fl

DOL:wh crm,micro to  
fxln,hd to frm,limy  
sl/succ ip,no fl

LS:tn crmwh,micro to  
vfx,hd to sft, tr chlky  
sm dolomitic ip, tr pyr  
no fl

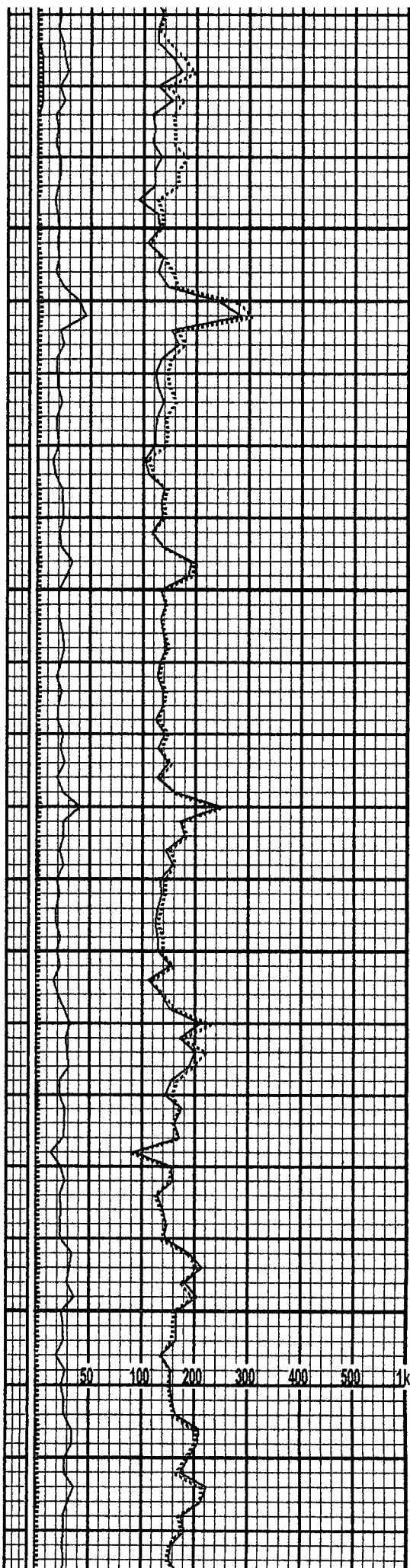
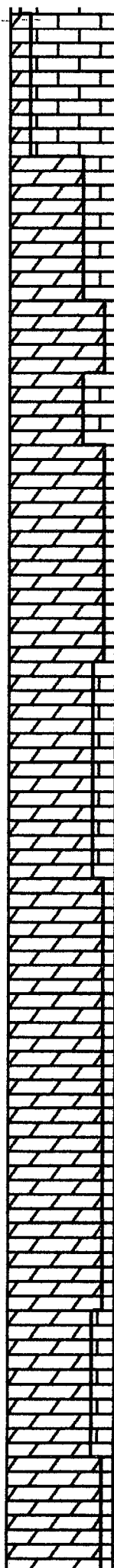
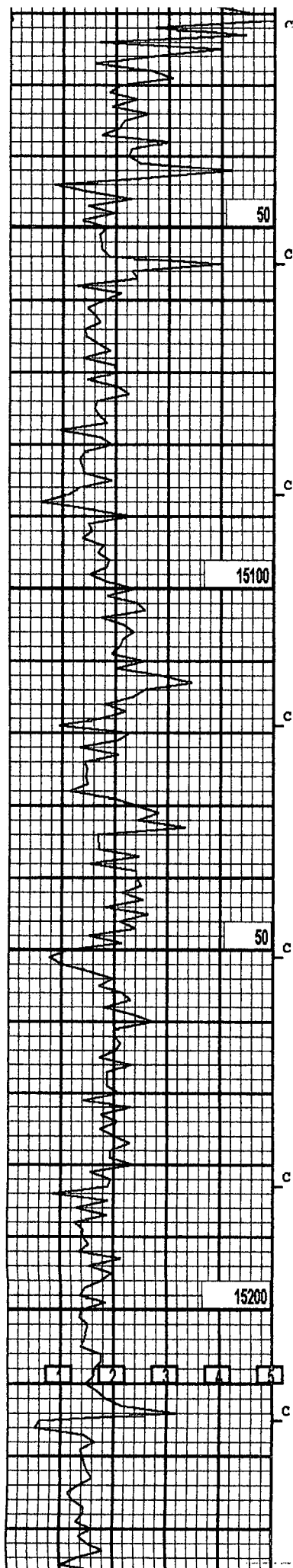
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fxln,sft to hd,succ ip,  
limy,no fl

CHT:mlkywh,tnsl,tr pyr  
calc ip

LS:wh crm tn,micro to  
vfx,hd to sft & chlky,  
dolomitic ip,cln,  
no fl

DOL:wh crm,micro to vfx  
hd to fmodst,sl/succ  
limy,no fl

Top Limb  
14840'



DOL:wh trnsl,micro to  
fxln,hd t sft,sli limey  
succ ip,no fl

LS:bn tn crm,micro to  
fxln,hd to sft &chlky  
dolo ip,cln,no fl

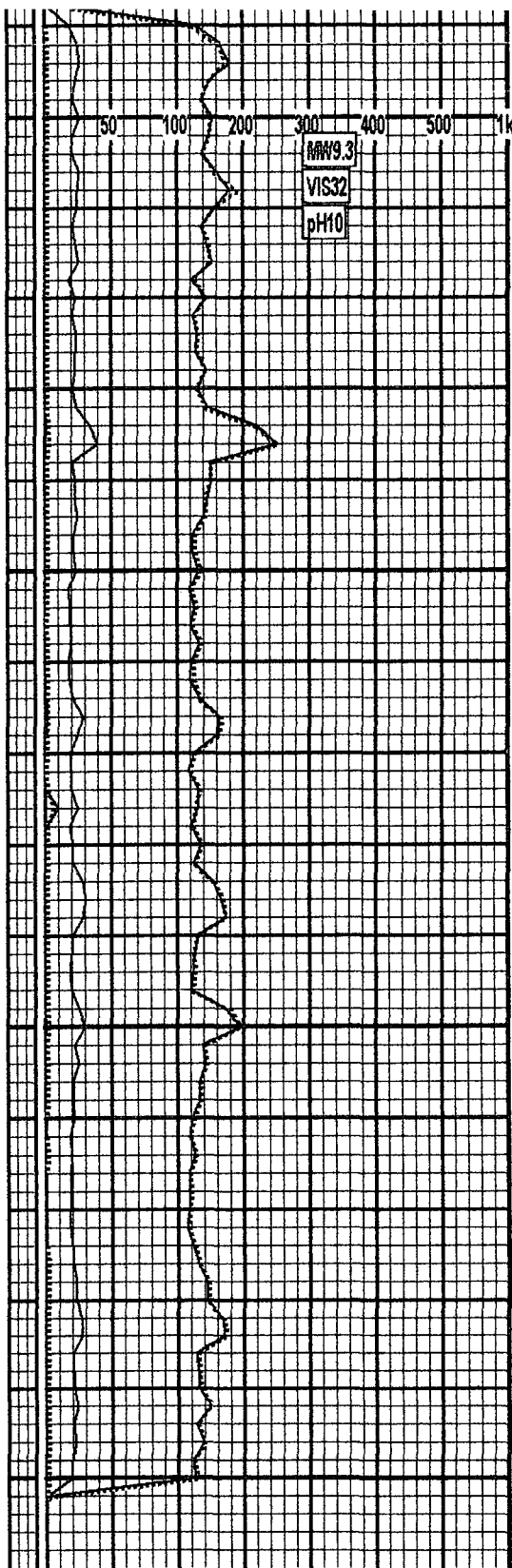
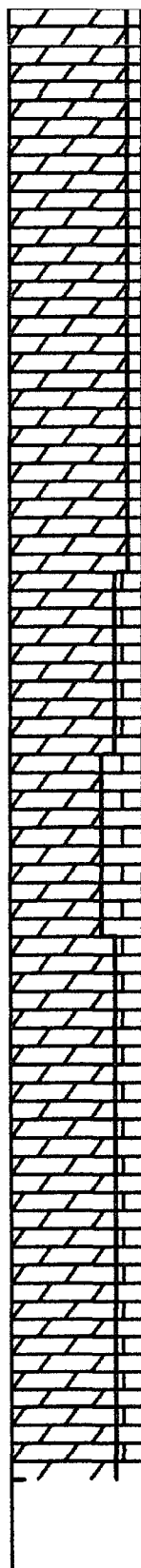
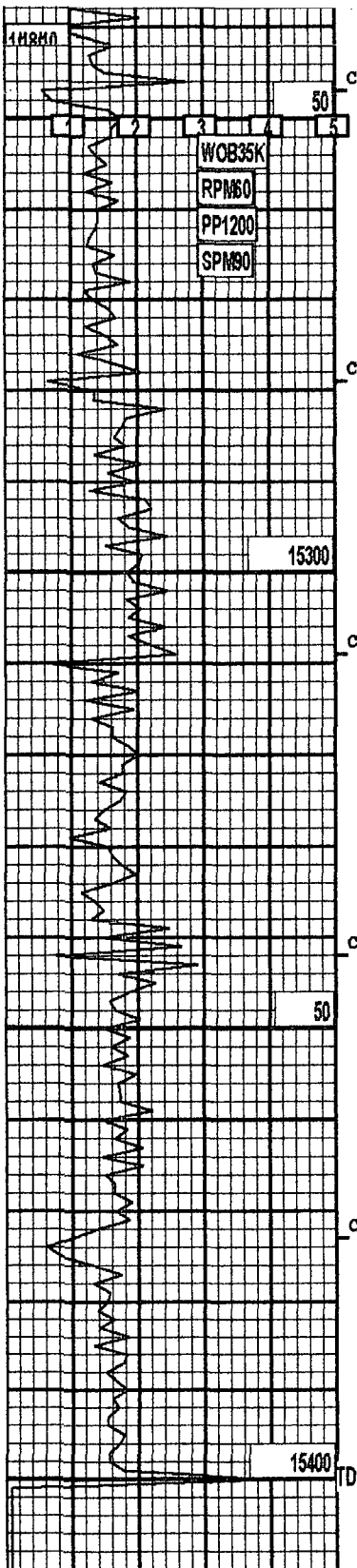
DOL:wh trnsl,micro to  
fxln,hd to sft,succ ip,  
limey,cln,fnt scatered  
mnrl fl

DOL:wh trnsl,micro to  
fxln,hd to sft,succ ip,  
sli limey,cln,no fl

LS:wh bn crm,micro  
to fxln,hd to sft &  
chlky,succ ip,cln,no  
fl

DOL:wh trnsl,micro to  
fxln,hd to sft,succ ip,  
cln,sli limey,no fl

Base Lim  
15040'



DOL:wh trns1,micro  
to vxln,hd to sft,succ  
ip,cln,sli limey,no fl

LS:bn tn crm,micro to  
vfx,hd to sft & chlky,  
succ ip,dolomitic ip,  
cln,no fl

DOL:wh trns1,micro to  
fxln,pred hd,dns,cln,  
no fl,sli limey

DOL:wh,micro tofxln  
hd to mod sft,sl/succ  
text,cln,limy ip, no  
fl

\*\*\*\*\*  
Drillers TD 15,400'