

PKRVO304425810

AMEND SWD  
WVS

814/852  
~~2/27/03~~  
-NA-

105 S. 4th Str.  
Artesia, NM 88210

**Yates Petroleum Corporation**

# Fax

To: Mr Will Jones / David Catarach From: Sam Brandon

Fax: 505 476 3462 Date: 2-12-03

Phone: 505 476 3448 Pages: 5 (incl. this pg)

Re: Archimedes #1 CC:

Urgent     For Review     Please Comment     Please Reply     Please Recycle

•Comments:

30-015-10414

MARTIN YATES, III  
1912 - 1988  
FRANK W. YATES  
1988 - 1988



105 SOUTH FOURTH STREET  
ARTESIA, NEW MEXICO 88210-2118  
TELEPHONE (505) 748-1471

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TREASURER

February 12, 2003

Mr. David Catanach  
Mr. William V. Jones Jr.  
State of New Mexico  
Oil Conservation Division  
2040 S. Pacheco Street  
Santa Fe, New Mexico 87505-5472

Dear Mr. Catanach and Mr. Jones:

Yates Petroleum Corporation respectfully requests to make a modification to Administrative Order SWD-814, for the Archimedes No. 1, located in Sec. 18, Township 21S, Range 24E, Eddy County, New Mexico.

When we moved on the well to begin to prepare it for deepening to the Devonian, it was discovered that the existing 7" casing had developed a hole due to corrosion at approximately 6700'. We have repaired the hole and returned the casing to its original ID. Other perforated intervals have been squeezed. The casing has been tested to 600 psi and found to have integrity.

Our original plans were to set a 4½" liner from the planned TD of 11000' to about 9250'. We would perforate the liner in the Devonian, then run 4½" plastic coated tubing to the top of the liner.

Due to the problems with the 7" casing at approximately 6700', we would now prefer to bring the liner top to approximately 6000'. This would serve to isolate the questionable casing and all squeezed perforations above the injection interval. Plastic coated 4½" tubing will be run to the top of the liner. A diagram of the proposed installation is included with this letter.

In addition to the request for modification of the Administrative order, we also would like to request an additional 90 day extension of Administrative Order SWD-814, which expires April 3, 2003. Due to the additional time necessary because of the unanticipated repairs, the drilling rig scheduled to deepen the well is now not available until the end of March. Once the deepening is completed, we will immediately commence completion operations, testing and disposal.

Thank you for your consideration in this matter. Please call me at (505) 748-4281 if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Sam Brandon". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Sam Brandon  
Operations Engineer

Well Name: Archimedes ARE St. Com No. 1 Field: Indian Basin

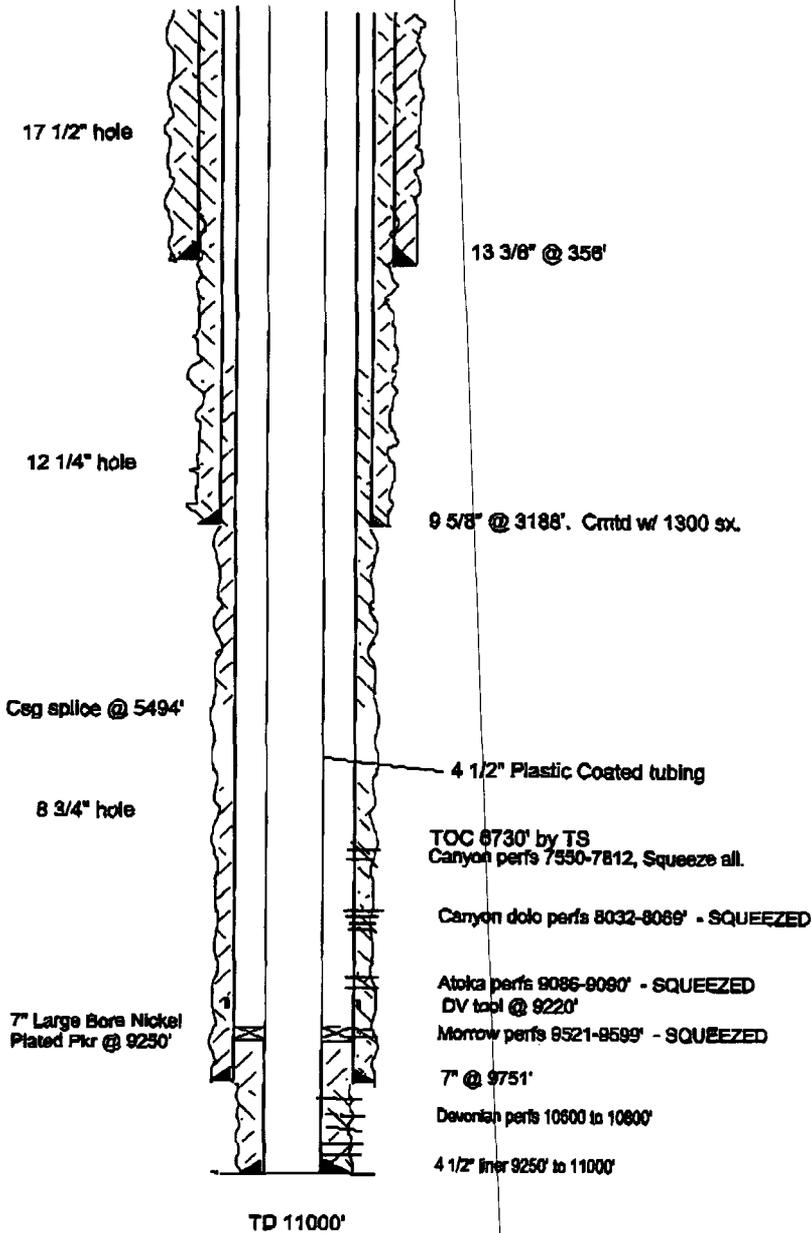
Location: 1650' FSL & 1980' FEL Sec. 18-21S-24E Eddy Co, NM

GL: 3811' Zero: AGL: KB: 3838'

Spud Date: Completion Date:

Comments:

Casing Program	
Size/Wt/Grade/Conn	Depth Set
13 3/8" 48#	356'
9 5/8" 36 & 40#	3188'
7" 23 & 26#	9751'
4 1/2" 11.6# N80	9500' to 11000'



Original Proposed Configuration

SKETCH NOT TO SCALE

DATE: \_\_\_\_\_

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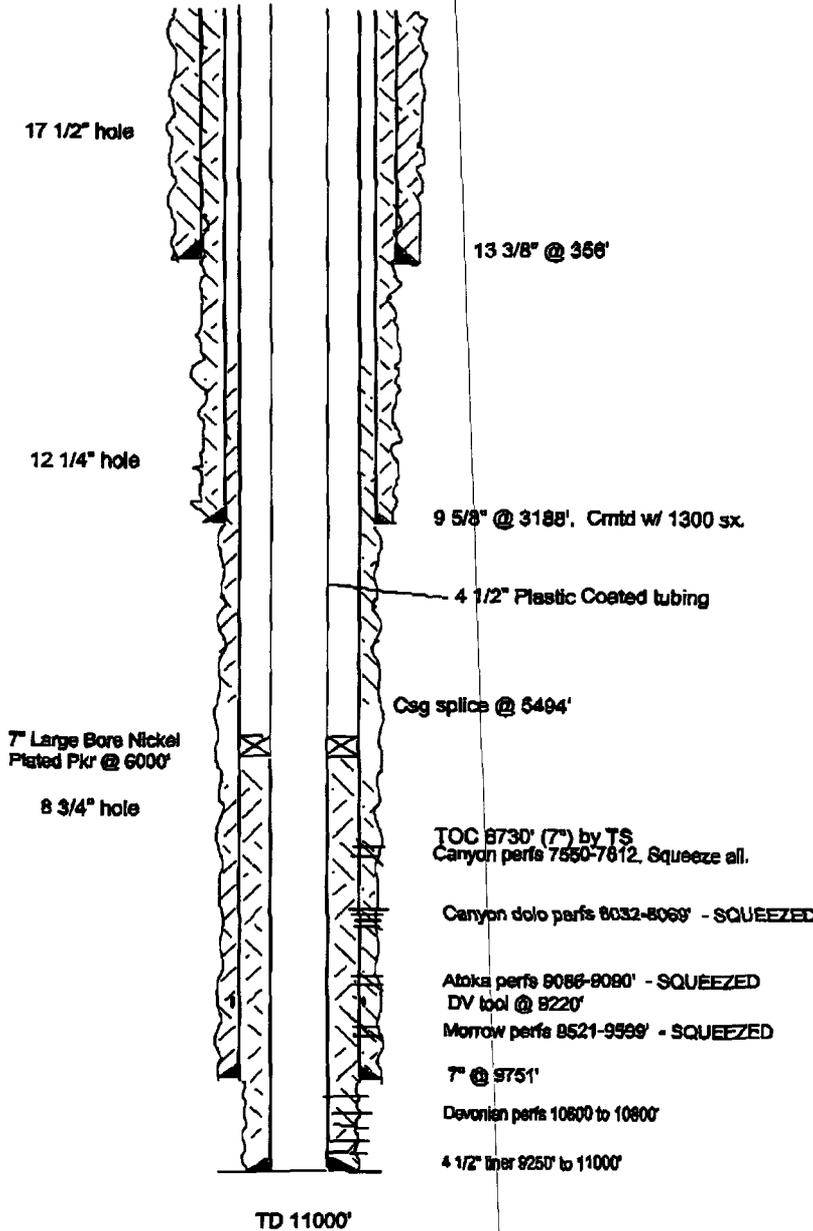
Location: 1650' FSL & 1980' FEL Sec. 18-21S-24E Eddy Co, NM

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Comments: \_\_\_\_\_

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Revised Proposed Configuration

TOC 8730' (7") by TS  
Canyon perms 7550-7612, Squeeze all.

Canyon dolo perms 8032-8069' - SQUEEZED

Atoka perms 8086-8080' - SQUEEZED  
DV tool @ 8220'

Morrow perms 8521-9569' - SQUEEZED

7" @ 9751'

Devonian perms 10600 to 10800'

4 1/2" liner 9250' to 11000'

TD 11000'

SKETCH NOT TO SCALE

DATE: \_\_\_\_\_