

RELEASE 2-15-93

HEYCO

HARVEY E. YATES COMPANY

PETROLEUM PRODUCERS

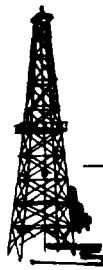
P.O. BOX 1933

ONE SUNWEST CENTRE

505/623-6601

FAX 505/622-4221

ROSWELL, NEW MEXICO 88202-1933



1993 FEB 1 AM 9 45

January 29, 1993

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

Re: Amended Request of 1/7/93 to Convert Caviness 11 Fed. #3
to a Water Disposal Well

Dear Mr. LeMay,

Please find enclosed three (3) copies of the revised portions of the original application of 1/7/93 for administrative approval to convert the above well to a water disposal well. HEYCO proposes to dispose of Bone Spring formation water into the upper Bone Spring formation instead of the lower Bone Spring.

Copies are being sent to each of the original mailing list. If there are any questions regarding this application for administrative approval, please contact my office at 505/623-6601.

Sincerely,

Tim Gum
Engineer

enclosures
TG/vt

TGOC

February 1, 1993

NEW MEXICO
OIL CONSERVATION
DIVISION
1993 FEB 1 10 51

Mr. William J. LeMay
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501

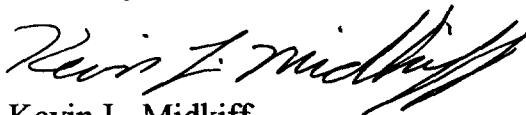
**Re: Meridian Oil's response to HEYCO's request to convert their Caviness
11 Federal #3 to a SWD well.
Mescalero Escarpe Field, Lea County, New Mexico**

Dear Mr. LeMay:

We recently received a revised notification from HEYCO that they plan to convert their Caviness 11 Federal #3 well to a water disposal well. Meridian Oil does not object to their current proposal as stated. The proposed disposal zone is not in the oil productive interval of the Bone Spring formation. Meridian Oil produces from a lower horizon in six wells offset to HEYCO's proposed conversion. We do not believe HEYCO's well will cause production problems in Meridian's Bone Spring wells.

If there are any questions regarding Meridian's position, please contact me at (915)-688-6828.

Sincerely,



Kevin L. Midkiff
Reservoir Engineer

28-Jan-93

HARVEY E. YATES COMPANY

WELLBORE SCHEMATIC & PROCEDURE SHEET

BY Tim Gum

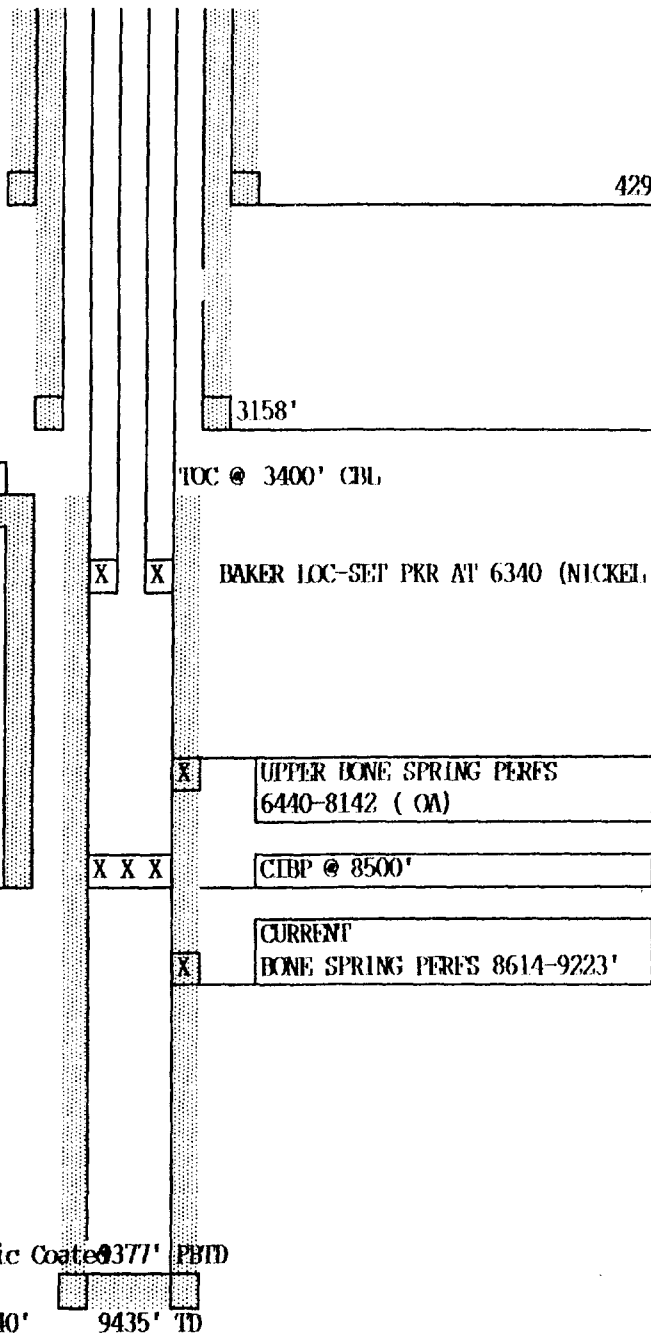
OPERATOR: HARVEY E. YATES COMPANY
 WELL NAME: CAVINESS 11 FEDERAL NO. 3
 LEASE #: NM-53381
 LOCATION: 990' ENL & 330' FWL
 SEC 11, T18S, R33E, LEA NM.
 FIELD: MESCALERO ESCARPE
 ELEVATION: 4043.4 GL 4056 KB

STUD DATE: 6/26/89

COMP DATE: 7/17/89

TD: 9,435

PBID: 9377'

REVISED PROPOSAL

PRODUCTION:

WT & GRD 51/2 17# & 20# N
 DEPTH 9435'
 SXS CMT 1675
 TOC 3400' CBL
 BIT SIZE 7 7/8"
 DV TOOL @
 MARKER JOINT

REVISED

SECTION III (B)

WELL DATA

1. Bone Spring, Mescalero Escarpe Pool
2. Injection Interval: 6440-8142' (oa)
3. Perfs: 8614-9223' (oa); Original PBTD: 9377'
4. No producing zones above or below injection interval.

REVISED

SECTION VII
INJECTION DATA

1. Estimated maximum daily rate of 500 BW
2. Closed system - Gas blanket
3. Maximum surface pressure of ¹²⁸⁴~~1628~~ psig at maximum rate
4. See attached water analysis
5. HEYCO proposes to dispose of produced Bone Spring formation water from operated leases.