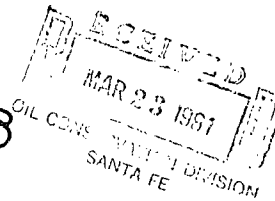




REGIONAL OFFICE
MIDLAND, TEXAS 79701



P.O. BOX 4067
1500 WEST WALL STREET

TEL. 915-684-5584
TWX. 910-895-5324

March 13, 1981

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

Attention: Mr. Richard L. Stamets

Re: Application to Convert State "C"
A/C-1 Well No. 3 to Salt Water
Disposal Service
Bagley Siluro Devonian Pool
Lea County, New Mexico

Gentlemen:

In support of our case No. 7186 (Docket No. 8-81), the following is additional information requested by the commission.

A Guiberson Uni-5-nickle plated packer with the following specifications will be used in the proposed disposal well.

Maximum Differential Pressure (anticipate Δp = 1500 to 2000 PSI)	6000 PSI
Mandrel Burst Pressures	
Tbg-Csg	9500 PSI
Csg-Tbg	8150 PSI
Tensile Load Strength-80%ult	102,500#

The injection interval of the proposed disposal well is 70' lower than the T.D. of the A. H. C. Mathers No. 1.

SubSea Depth

A.H.C. W.E. Mathers No. 1	-6710' (T.D.)
STC State "C" A/C-1 No. 3	-6780' to -7116' (Inj. Int.)



A DIVISION OF SUN OIL COMPANY (DELAWARE)

New Mexico Oil Conservation Commission
March 13, 1981
Page Two

As required by the Commission, the annulus will be loaded with corrosion resistant fluid and a pressure gauge installed on the wellhead to monitor any pressure changes.

Attached are three (3) copies of a revised wellbore sketch of the AHC Mathers No. 1 showing the cemented intervals in the lower wellbore.

If we can furnish any additional information in this matter, please advise.

Thank you for your consideration.

Yours very truly,

SUN TEXAS COMPANY



M. L. Schroeder
Midland Regional Engineer

SJG:cs:lw

Attachments

ELEVATION: 4254' DF

DHA

MATHERS, W.E.
1000 FAL. 662 TEL
SEC. 3 T-12S. R-33-E
BAGLEY PENN
LEA, NEW MEXICO

CMT P/G W 20' to Surf.

13 3/8" @ 307' w/225 SX

CMT P/G w/ 100 SX
250' - 350'

CMT P/G w/ 100 SX
950' - 1050'

8 5/8" @ 3863' w/1500 SX

CMT P/G w/ 35 SX
3813' - 3913'

EDS - Not Reported

* 8771 - 75' 8771 - 84' 9005 - 074 9011 - 25
w/1150 SX

* 8771 8771 - 1170 w/1150 SX

ED 8771 - 70' w/100 SX

* 8771 - 103' 8771 - 51 w/1150 SX

* 8771 - 103' 8771 - 1170 8771 - 1170 w/1150 SX

* 8771 - 1170 8771 - 1170 w/1150 SX

* 8771 - 1170 8771 - 1170 w/1150 SX

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* 8771 - 1170 8771 - 1170 w/1150 SX

* 8771 - 1170 8771 - 1170 w/1150 SX

* 8771 - 1170 8771 - 1170 w/1150 SX

CMT P/G w/ 35 SX
3950' - 4050'

CIP @ 8950' w/ 35 SX

PED

PED

BP - 9450'

Retainer

5 1/2" @ 10934' w/550 SX

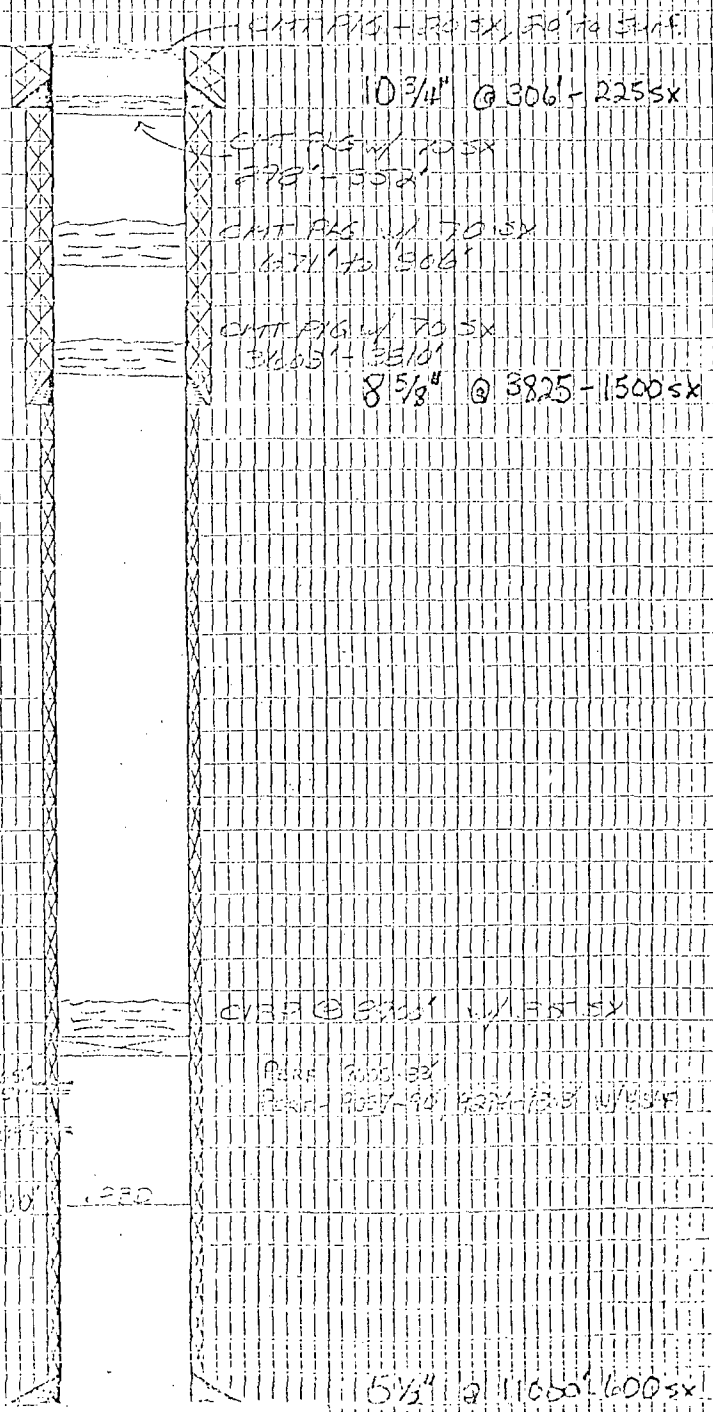
-10964

TD 10964'
OPR 10964'
CMT 9271'
P/G 9065'

Elevation: 1049 DF

PGA

AMERICAN
WD-2 BAGLEY
CGO FNI 1950 FNL
SEC. II T12-S, R-33-E
BAGLEY
N.M.A. NEW MEXICO



TD 11000
FSD 9,100