

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AL PL CONS MISSION
BOX 1990
40000 NEW MEXICO 88240

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

3. Address and Telephone No.

10 Desta Dr. Ste 100W, Midland, TX 79705

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FNL & 1462' EEL
Sec. 33, T-17S, R-32E

5. Lease Designation and Serial No.

LC 058698A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

MCA Unit No. 77

9. API Well No.

300250064600

10. Field and Pool, or Exploratory Area

Maljamar Grayburg SA

11. County or Parish, State

Lea

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well has no further use as either a producer or an injector and it is proposed to plug and abandon the wellbore according to the attached procedure.

14. I hereby certify that the foregoing is true and correct

Signed Joseph M. Hoover

Title Sr. Conservation Coordinator

Date 7/6/93

(This space for Federal or State office use)

Approved by ASDA-384 ARE G. LABB

Title

Date AUG 6 - 1993

Conditions of approval, if any:

**MCA No. 77
Plug and Abandon**

Objective: The following procedure is recommended to plug and abandon the MCA No. 77 production well. The well has no future use at MCA.

WELL DATA

TD: 4150' PBSD: 4125'

Elevation: 4005' (GL) Zero: 0' (AGL)

LOCATION

1980' FNL, 1462' FEL, Sec. 33, T17-S, R32-E
Lea County, New Mexico

CASING

10" 24#, set at 20' with 12 sacks
5-1/2" 14#, J-55 set at 3481' with 250 sacks
(TOC est. at 2200')

PRODUCTION EQUIPMENT

3759' of 2 7/8" 6.5 # J-55 8-Rd tubing
62 - 3/4" rods
86 5/8" rods
2 x 2-1/2 x 16 RWBC Pump

TUBULAR SPECIFICATIONS

<u>SIZE</u> (IN)	<u>WT</u> (#/FT)	<u>GRADE</u> (API)	<u>ID</u> (IN)	<u>DRIFT</u> (IN)	<u>80% BURST</u> (PSIG)	<u>80% COLLAPSE</u> (PSIG)	<u>80% YIELD</u> (MLBS)	<u>CAPACITY</u> (BBL/FT)
5 1/2	17	J-55	4.892	4.767	4256	3928	183	.0232
2 7/8	6.5	J-55	2.441	2.347	5808	6144	80	.0058

ZONE TOPS

Grayburg 6th - 3852'
San Andres U7th - 4028'
San Andres L7th - 4091'
San Andres 9th - NR
9th Massive - NR

PERFORATIONS

Open hole shot sections:

3679'-3832' with 400 quarts

3997'-4150' with 400 quarts

MCA 77 Plug and Abandon

RECOMMENDED PROCEDURE:

Note:

1. All cement slurry used in this procedure shall be Class "C" neat mixed at 14.8 PPG.
 2. All mud shall be 10 PPG with 25 LBS gel/BBL of brine.
-
1. Move in steel tanks for containment of well fluids. Pump 10# gelled brine in well to kill well if necessary. Check well for pressure and rig up workover rig.
 2. Pull out of hole with rods and pump. Install BOP and test. Pick up 4-3/4" bit, scraper and 2-7/8" tubing and run to PBD of 4125'. Circulate hole full of P&A mud. Pull out of hole.
 3. Run in hole with mule shoe and spot an 860 sack Class "C" neat cement plug from 4125'-3280'. WOC and tag top of cement for depth verification.
 4. Pull up hole and spot a 150 sack Class "C" neat cement plug from 2330'-1125' to form a plug in the 5-1/2" casing across the salt section with a 200' overlap on top and base. WOC and tag top for verification.
 5. Run in hole with electric line and 4" 90° phasing squeeze gun and perforate the 5-1/2" casing at 1000' with at least four 0.50" holes. Pull out of hole with electric line and rig down.
 6. Establish an injection rate with fresh water by bullheading down the 5-1/2" casing taking returns on the 5-1/2" x 10" annulus. Follow with 500 sacks of Class "C" neat cement to form a plug from surface to 1000' and to circulate cement in the 5-1/2" x 8-5/8" annulus. WOC.
 7. Remove BOP and cut off all casing strings 3' below final restored ground level. Rig down and move off workover rig.
 8. Fill casing strings with cement, if necessary.
 9. Cover the wellbore with a 1/4" metal plate welded in place, or a cement cap extending radially at least 12" beyond the 8-5/8" casing and at least 4" thick.

MCA 77 Plug and Abandon

10. Erect an abandonment marker according to the following specifications.
- A. Marker must be at least 4" in diameter, 10' long with 4' above the restored ground level and embedded in cement.
 - B. Marker must be capped and inscribed with the following well information.

MCA No. 77
Sec. 33, T-17S, R-32E
Lea County, NM
Date

- C. Cut off dead-man anchors below ground level and remove markers. Fill in cellar with sand and contour to surrounding ground level.
- D. Remove all equipment, concrete bases and piping not in use.
- E. Clean and restore location to its natural state, and reseed.

Henry David 4-16-93
Sr. Production Engineer

Supervising Production Engineer

cc: JEP, HED, FILE
Donnie Rogers

MCA No. 77

1980' FNL, 1980' FEL
Sec. 23, T17S, R-32
LEA Co, New Mexico

Elevation: 4005' (GL) ZERO: 0' AGL

10"-24" set @ 20' w/ 12 sx

2 7/8" - 6.5#, J-55 Tbg. (3759')
SN @ 3759'

148 - 5/8" & 3/4" RODS w/ 2 x 1 1/2 x 10' RWEC
pump

Top SALT: 1325'

Base Salt: 2130'

5 1/2" - 14#, J-55 @ 3481' w/ 250 sx (EST. TDC @ 2200')

Open Hole Shot SECTION

3679' - 3832' w/ 400 gts

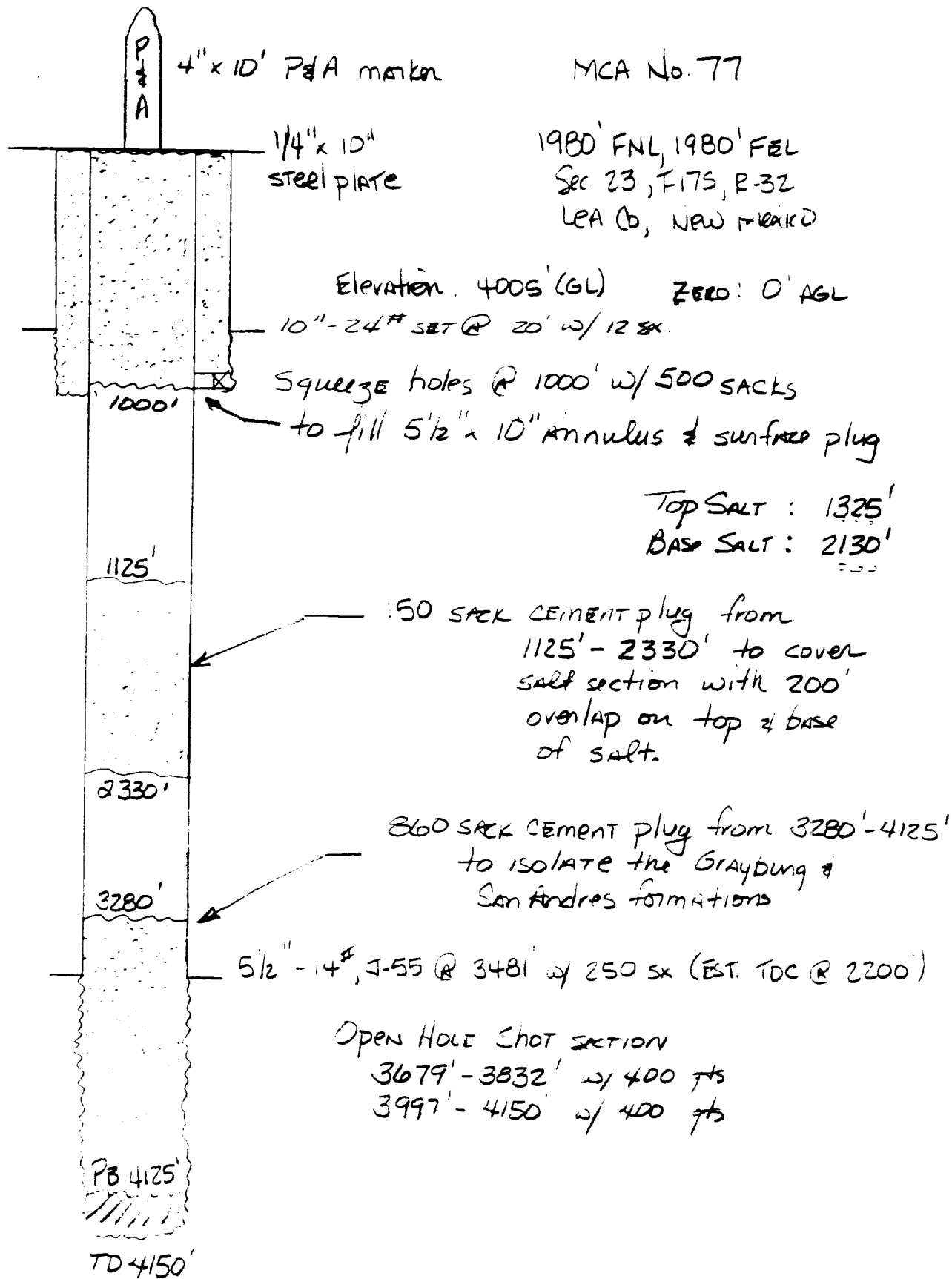
3997' - 4150' w/ 400 gts

PB 4125'

TD 4150'

Calculation Sheet

MCA 77
Present Wellbore



MCA 77
Proposed Wellbore