

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM CONS COMMISSION  
Drawn: DD  
Artesia, NM 88210

SEP - 7 '94

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

O. C. D.  
Artesia, NM

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

SOCORRO PETROLEUM COMPANY

3. Address and Telephone No.

20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA (405) 552-4530

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

705' FSL & 660' FEL, Sec 18-T17S-R31E

5. Lease Designation and Serial No.

LC-029395-A

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

TURNER "A" #29

9. API Well No.

30-015-05226

10. Field and Pool, or Exploratory Area

GRAYBURG-JACKSON (SEVEN RIVERS)

11. County or Parish, State

EDDY COUNTY, NM

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

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)\*

Propose to plug & abandon this wellbore as follows:

Set CIBP in 7" production casing @ 1800' and dump 35' of cement on top of plug utilizing a dump bailer. Will then perforate 8 squeeze holes at approximately 1300' (base of salt @ 1250') and set cement retainer at approximately 1250'. Will squeeze salt section well w/100 sacks of "Class " cement. A bradenhead squeeze will then be performed by pumping 150 sx of Class "C" cement down the 7" production casing through holes at 226'. Sufficient volume of cement will be pumped to fill this 7" X 9 5/8" annular space with cement. If cement circulates to surface the 9 5/8" casing will be shut in and cement will be squeezed around the 9 5/8" casing shoe. Surface plugs will be set in the production casing. All casing will be cut off 4' below ground level and dry hole marker installed.

This procedure has been verbally approved by the BLM's Shannon Shaw.

8/15/94

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

Signed

*Jo Ann Hooks*

Title

Jo Ann Hooks

ENGINEERING TECHNICIAN

Date

AUGUST 12, 1994

(This space for Federal or State office use)

(ORIG. SGD.) JOE G. LARA

Title

PETROLEUM ENGINEER

Date

9/2/94

Approved by  
Conditions of approval, if any:

See attached

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

# ENGINEERING CHART

SHEET NO

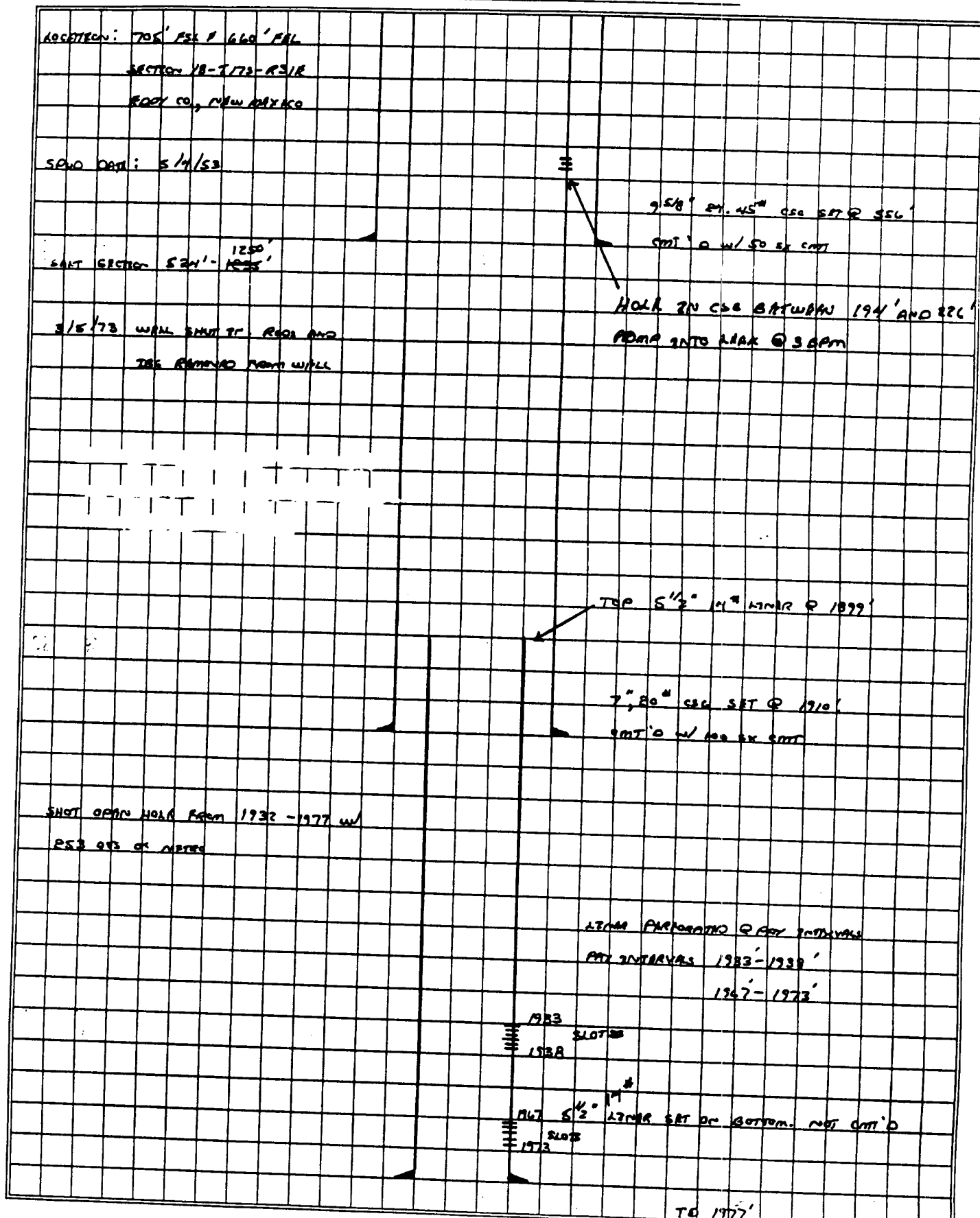
OF

FILE

DATE 6/11/54

BY R. JACKSON

SUBJECT: TURNER "A" 29



BUREAU OF LAND MANAGEMENT  
CARLSBAD RESOURCE AREA

Permanent Abandonment of Wells on Federal Lands

Conditions of Approval

1. Approval: Plugging operations shall commence within 90 days from the approval date of plugging procedure.
2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Eddy County call (505)887-6544 ; for wells in Lea County call (505) 393-3612.
3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet ; and a 5M system for a well not deeper than 22,727 feet.
4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks ( 50 pounds each ) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.
5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C" , for up to 7,500 feet of depth, mixed at 14.8 lbs./gal. with 6.3 gallons of fresh water per sack or class "H" , for deeper than 7,500 feet plugs, mixed at 16.4 lbs./gal. with 4.3 gallons of fresh water per sack.
6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer; such as metes and bounds).
7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

Following the submittal and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION

Drawer DD

Artesia, NM 88210

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SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Socorro Petroleum Company

3. Address and Telephone No.

20 N. Broadway, Suite 1500, Oklahoma City, OK 73102 (405) 552-4560

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

705' FSL & 660' FEL  
Sec. 18-T17S-R31E

5. Lease Designation and Serial No.

LC-029395-A

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Turner "A" #29

9. API Well No.

30-015-05226

10. Field and Pool, or Exploratory Area

Fren Seven Rivers

11. County or Parish, State

Eddy County, New Mexico

JUL 15 '94

O. C. D.  
ARTESIA, NM

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

TYPE OF SUBMISSION

- ☒ Notice of Intent  
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TYPE OF ACTION

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☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Temporarily Abandon

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)\*

Plans are to temporarily abandon this wellbore by first plugging back with sand to 1850' (approximately 50' above the top of the 5 1/2" liner) and then spotting 30 sacks of Class "C" cement containing 2% CaCl in the 7" production casing @ 1840'. The top of the cement plug should be at 1680'±. After allowing the cement to set for 24 hours, the cement plug and 7" production casing will be tested to 500 psi. This test will be witnessed by a BLM representative.

In lieu of plugging this well, it is requested that it be granted a temporarily abandon status following the above described work including the passing of a 500 PSIG Mechanical Integrity Test. This wellbore is located within an active Grayburg-Jackson waterflood project and is a deepening candidate during the infill development program now being evaluated and implemented. The well's current completion interval, the Seven Rivers, also appears to have secondary recovery potential. Plugging this well would necessitate it being redrilled at a future date.

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

Signed Randy Jackson

Title Randy Jackson, District Engineer

Date 6/14/94

(This space for Federal or State office use)

(ORIG. SGD.) JOE G. LARA

Approved by

Title PETROLEUM ENGINEER

Date 7/13/94

Conditions of approval, if any:

Sec. attached. Test to be performed within 90 days.

BUREAU OF LAND MANAGEMENT  
CARLSBAD RESOURCE AREA

Temporary Abandonment of Wells on Federal Lands

Conditions of Approval

According to 43 CFR 3162.3-4-c, " No well may be temporarily abandoned for more than 30 days without the prior approval of the authorized officer".

Temporary Abandonment (TA) status approval requires a successful casing integrity test as follows:

1. Contact the appropriate BLM office at least 24 hours prior to the scheduled Casing Integrity Test. For wells in Eddy County call (505) 887-6544 ; for wells in Lea County call (505) 393-3612.
2. A bridge plug or packer shall be set at a maximum of 50 feet above any open perforations or open hole.
3. All downhole production/injection equipment (tubing, rods, etc.) shall be removed from the casing if they are not isolated by a packer.
4. The production casing shall be filled with corrosion inhibited fluid and pressure tested to 500 psi. The casing shall be capable of holding this pressure for at least 30 minutes with a 10% allowable leak-off.

Wells that successfully pass the casing integrity test will be approved for Temporary Abandonment (TA) status for 12 months provided that the operator:

1. Submits a subsequent Sundry Notice requesting TA approval,
2. Attaches a clear copy or the original of the pressure test chart,
3. And attaches a detailed justification why the well should not be plugged and abandoned.

The TA status could be extended without another casing integrity test provided there was no leak-off during the test.

If the well does not pass the casing integrity test, then the operator shall within 30 days submit to BLM for approval one of the following:

1. A procedure to repair the casing so that a TA approval can be granted.
2. A procedure to plug and abandon the well.