N. OIL CONS. COMMISSION
P.O. BOX 1980
HOBBS, NEW MEXICO 88240

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.
LC 0032573A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

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

8. Well Name and No.
Elliott A-15 No. 1

2. Name of Operator
Conoco, Inc.

9. API Well No.
30-015-10276

3. Address and Telephone No.
10 Desta Dr. Ste 100W, Midland, TX 79705

10. Field and Pool, or Exploratory Area
Penrose Skelly Graybg

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
330' FSL & 400' FEL
Sec. 15, T-22S, R-37E

11. County or Parish, State
Lea, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☒ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ 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.)*

It is proposed to plug and abandon this well according to the attached procedure:

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

Signed Jerry McHoover Title Sr. Conservation Coordinator Date 4/20/94

(This space for Federal or State office use)

Approved by Orig. Signed by Adam Salameh Title Petroleum Engineer Date 6/9/94

Conditions of approval, if any:

-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

(Rev. 5/23/94)

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.

ELLIOTT A-15 NO 1
PLUG AND ABANDONMENT

INTRODUCTION:
This water injection well was SI in September 1991 shortly after the lease line injection agreement with the offsetting Anadarko operated Langlie Mattix Penrose Sand Unit was terminated. The well is currently not in compliance with BLM/NMOCD regulations and will be permanently plugged and abandoned.

WELL DATA:
Location: 330' FSL & 400' FEL, Sec 15, T-22-S, R-37E, Lea County, New Mexico

EQUIPMENT:
Cement lined injection tubing and packer are still in hole.

CASING & TUBING SPECS:
All available data on the casing is indicated in the attached wellbore diagram. There is no information on the casing grades run. Due to the 1936 vintage of the pipe and the lack of data, use caution when pumping or pressuring-up on the tubulars.

The existing tubing in the well is 2 3/8" cement lined.

All cement tops indicated on the wellbore diagram are calculated based on conservative assumptions on casing ID's and cement yields. Based on the calculations, the cement used on the 16" and 8 5/8" casing did circulate to surface. **A pressure gauge should be installed and monitored on the 8 5/8" X 16" annulus during the P&A operations to ensure that the mechanical integrity is maintained. If pressure is noted and cannot be bled off, this annulus will have to be squeezed.** Based on calculations, the cement top on the 7" casing did not reach the 8 5/8" shoe, therefore the 7" will be perforated and squeezed as indicated in the recommended procedure below.

The 7" casing was last tested to 500 psi, above the injection packer at 3324' on 11-3-78. A casing leak survey was also conducted at the wellhead in June 1990 and no leaks were noted.

REGULATORY:
Regulatory (BLM & NMOCD) approval must be obtained for this work. Notify both BLM and NMOCD 24 hours prior to commencing work to allow them to witness the operations.

RECOMMENDED PROCEDURE:

1. MIRU workover rig. Bleed off any pressure. ND WH & NU BOPE. POOH with cement lined injection tubing.

2. RIH with workstring and 7" casing scrapers to top of 5 1/2" liner at 3370'. Circulate wellbore clean. POOH.

NOTE: 1. Use Class C cement mixed at 14.8 ppg with 2% $CaCL_2$ for all cement work except final surface plug which will contain 18% $CaCl_2$. Yield = 1.32 ft^3/sx.
2. For remainder of procedure use P&A brine - 10 ppg brine with 25 lbs/bbl of salt gel.

3. RIH with 7" cement retainer & set at 3350'. Squeeze liner and liner top with 200 sxs cement (+/- 300% excess to allow for cable tool drilled and nitro shot hole). Pick up workstring and spot 25 sx (140') cement cap on retainer. **Slowly** PUH well above top of cement @ +/- 3000', reverse cement out of workstring with 10 ppg P&A brine.

4. POOH laying down workstring to 2415'. Spot 25 sx (140') cement plug across the base of salt. POOH.

5. RU wireline. RIH and perforate 7" casing at 1140' (8 5/8" shoe) with 4 JSPF. RD wireline.

6. RIH with workstring and cement retainer. Set retainer at 1100'. Establish injection rate into perfs with water. Squeeze a total of 70 sxs cement below retainer, sting out of retainer and cap with a 25 sx (140' plug) inside 7" casing.

7. POOH laying down workstring to 1270'. Spot 25 sx (140') cement plug across the top of salt. POOH.

8. RU wireline. RIH and perforate 7" casing at 230' with 4 JSPF. RD wireline.

9. RIH with workstring to 230'. Close rams and establish circulation through perfs to surface in 7" X 8 5/8" annulus. Pump 70 sxs to circulate cement to surface in annulus and leave 7" casing plugged to surface. POOH laying down workstring.

10. Cut off casing 3' below surface. Weld 1/4" thick metal plate on wellbore. Install P&A marker with well name, location, and date inscribed on marker.

11. Restore location.

_____
Joel Porter

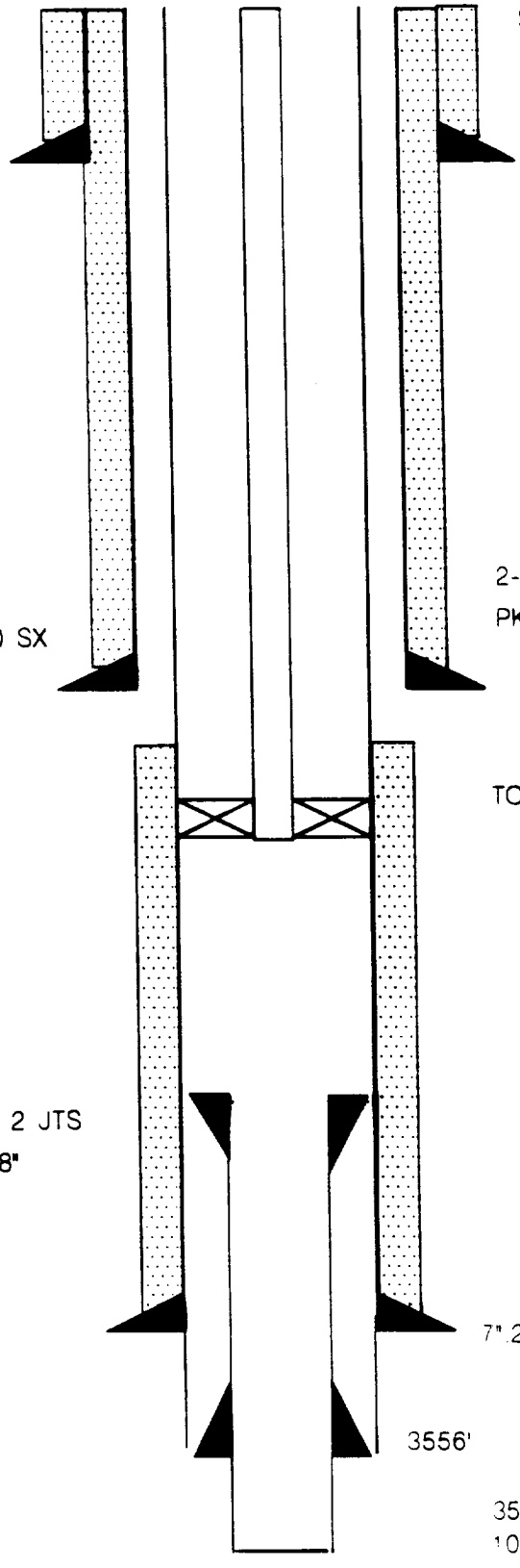
ATTACHMENTS:
1. **Cost Estimate**
2. **Well History**
3. **Current Wellbore Diagrams**
4. **Proposed P&A Wellbore Diagram**

WELLBORE DIAGRAM

ELLIOTT A-15 NO. 1

SEC 15-T22S-R37E

330' FSL, 400' FEL



ELEVATION: 3354' DF

"O"=10' AGL

SALT: 1203'-2345'

16",70#,@228',SHLW, W/110 SX

COMPLETED: 11/36

2-3/8",4.7#,J-55,CMT LINED TBG,
PKR SET @3324'W/12 PT TENSION

8-5/8",32#,SHLW, @1132' W/300 SX
IN 10" HOLE

TOC @ +/- 1245' (CALCULATED)

3370'-3556' UNCEMENTED
LINER,5-1/2",17#,SMLS,BOTTOM 2 JTS
PERFORATED, RAN LINER IN 6-5/8"
HOLE 11/04/36

7",24#, SMLS,@3411'W/300 SX

FILL @ 3615'

4-3/4" OH

3556'

3500'-3556' SHOT W/210 QTS NITRO
10/18/36

API# 30025-10276

TD: 3685'

BY: JOEL PORTER

DATE: 04/20/94

PROPOSED P&A

ELLIOTT A-15 NO. 1

SEC 15-T22S-R37E

330' FSL, 400' FEL

P&A MARKER

ELEVATION: 3354' DF

'O" = 10' AGL

PERF 230'. PUMP 70 SXS CMT SURFACE PLUG.

COMPLETED: 11/36

SALT: 1203'-2345'

16",70#,@228',SHLW, W/110 SX

P&A MUD

P&A MUD

140' CMT PLUG ACROSS TOP OF SALT 1270'-1130'

2-3/8",4.7#,J-55,CMT LINED TBG, PKR SET @3324'W/12 PT TENSION

8-5/8",32#,SHLW, @1132' W/300 SX IN 10" HOLE

PERF 1140'. CMT RETAINER @ 1100'. SQ PERFS WITH 70 SX CMT & CAP RET ~ 25 SXS

TOC @ +/- 1245' (CALCULATED)

P&A MUD

140' CMT PLUG ACROSS BASE OF SALT 2415'-2275'

P&A MUD

CEMENT RETAINER @ 3350'. SQ 200 SX CMT BELOW RETAINER CAP RETAINER W/ 25 SX (140')

3370'-3556' UNCEMENTED LINER,5-1/2",17#,SMLS,BOTTOM 2 JTS PERFORATED, RAN LINER IN 6-5/8" HOLE 11/04/36

7",24#, SMLS,@3411'W/300 SX

FILL @ 3615'

4-3/4" OH

3556'

3500'-3556' SHOT W/210 QTS NITRO 10/18/36

API# 30025-10276

TD: 3685'

BY: JOEL PORTER

DATE: 04/20/94