

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

E.W. Mudge No. 1

SF 078061

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER Fresh Water Source

2. NAME OF OPERATOR

Shell Oil Company

3. ADDRESS OF OPERATOR

1700 Broadway, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

44.6' FNL & 2105.2' FWL of Sec. 20, T25N,
R11W, NMPM, San Juan Co., N.M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

64.8' K.B.

7. UNIT AGREEMENT NAME

Carson Unit

8. FARM OR LEASE NAME

9. WELL NO.

4-20 Water well

10. FIELD AND POOL, OR WILDCAT

Bisti

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 20, T25N,
R11W, NMPM

12. COUNTY OR PARISH

San Juan

13. STATE

N.M.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

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☐
☐
☐

PULL OR ALTER CASING

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☐
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☐
☐

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

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☐
☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

17. 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 perti-
nent to this work.)*

See attached abandonment prognosis



18. I hereby certify that the foregoing is true and correct:

SIGNED

R. Planty

TITLE Division Operations Engr.

DATE

JUN 29 1977

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: NMOCC

*See Instructions on Reverse Side

Plug and Abandonment
Carson Unit 4-20-4'S
Section 26, T 25N, R 11W
San Juan County, New Mexico

Pertinent Data

TD: 3856' PSTD: -

10 3/4" Csg. @ 72'

7" Csg. @ 3847' w/ 275 sax.

9" Hole

Elevation: 6418' KB

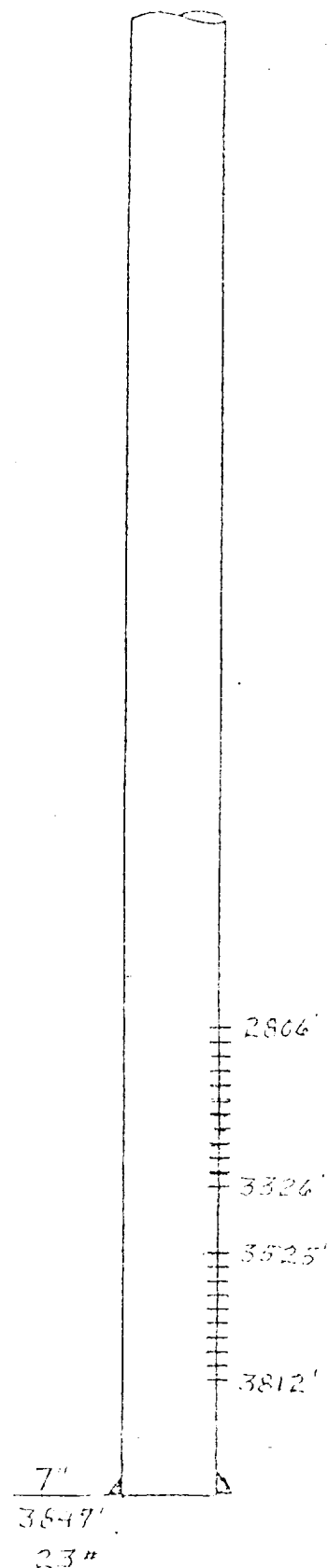
KB - GL = 9'

Permanent Datum = KB

Past and current status: Presently shut-in.
Initially pumped 3400 BWD.

Proposed Work: Plug and Abandon

1. Pull equipment. If tubing is openended, lower to PSTD, load hole with mud. (Add 20 sax aquagel + 1 sack Benes per 100 bbls of mud or 20 sax salt gel per 100 bbls mud).
2. Spot 220 sax Class "G" cement mixed w/1# flocele/sack over perforations and above perforations. Minimum requirements - 100' cement plug above perforations. w.c.c. 12 hrs
3. Pull tubing.
4. Rig up casing pullers. Determine casing free point.
5. Attempt to shoot and pull casing at free point (theoretical cement top at 2010'). Top of Mancos Shale . Do not spend more than 3 hrs. on attempt to pull casing. If unable to pull any casing, go to step 8.
6. If casing is recoverable, place cement plugs by cementing through casing or running tubing inside of csg. as it is pulled. Spot Class "G" cement plugs as follows:
 - a. 150' plug across stub of 7" casing. (50' in casing, 100' in open hole)
 - b. 200' plug from top of Fruitland Coal at 1140' to 1340'.
 - c. 150' plug across base of Ojo Alamo sand at 300'. (100' below base of sand and 50' above base of sand).
 - d. 100' plug across shoe of 8-5/8" casing (30' in casing, 70' in open hole).
 - e. 10 sack plug at surface.



7. Install permanent abandonment marker as follows:

Steel marker at least 4 inches in diameter set in concrete and extending at least 4' above mean ground level. The name and number of the well and its location (Unit letter, section, township and range) shall be welded, stamped, or otherwise permanently engraved into the metal marker.

(Continuation from Step 5)

8. Perforate 7" casing w/4 JSPF as follows:
- a. Fruitland Coal - Pictures Cliffs interval 1160' to 1161'.
 - b. Below Ojo Alamo sand from 400' to 401'.
9. Run tubing, spot a 100 sack Class "G" cement plug from 1160' to 630'.
10. Pull tubing to $\pm 400'$, close bradenhead, displace 40 sax through perforations 1160' to 1161'. WOC 2 hours.
11. Pull tubing to perforations 400' to 401'.
12. Load 7" casing with cement (\pm 66 sax) and pull tubing. With bradenhead open, displace 35 sax cement through perforations 400' to 401'.
13. Spot 10 sack plug at surface.
14. Install abandonment marker as outlined in step 7.

CCC
COC:mef

J. A. Stanzione