

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 078063

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 ☒ Water Injector

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

1980' FNL & 660' FWL of Sec. 20, T25N,  
R11W, NMPM, San Juan Co., N.M.

14. PERMIT NO.  
15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6459.6' K.B.

7. UNIT AGREEMENT NAME  
Carson Unit

8. FARM OR LEASE NAME

9. WELL NO.  
12-20

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

OR NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐  
☐

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

☐  
☐  
☒  
☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

☐  
☐  
☐

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

☐  
☐  
☐

(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 pertinent to this work.)\*

See attached abandonment prognosis

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

SIGNED

*R. Plaudy*

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

8 5/8"  
210'  
2 7/8"

LOGS  
Plug and Abandonment  
Carson Unit 12-20  
Section 20, T 25 N, R 11 W  
San Juan County, New Mexico

Pertinent Data

TD: 5065' PBTD: 4961'  
8 5/8" Csg. @ 210'

4 1/2" Csg. @ 5060' w/ 150 sax.

7 7/8" Hole

Elevation: 6460' KB

KB - GL = 9'

Permanent Datum = KB

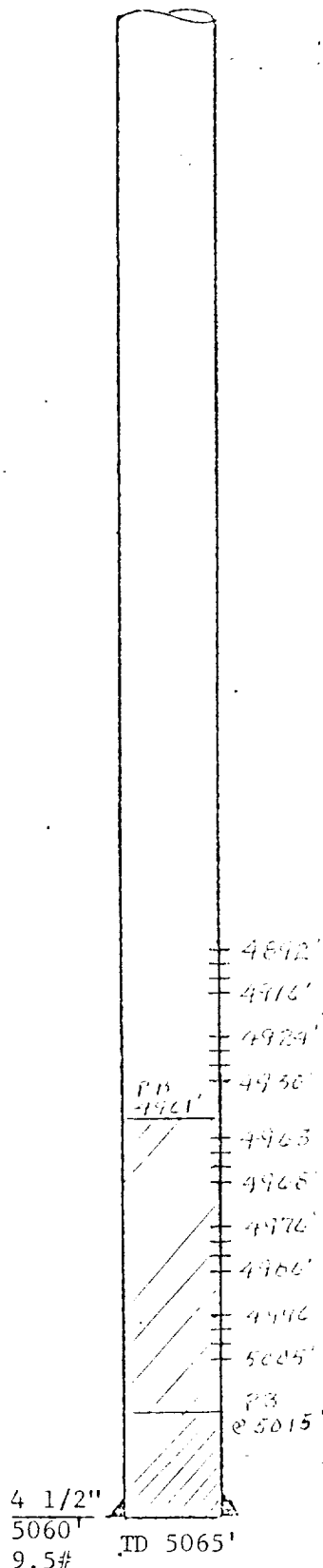
Past and current status: Presently T. A.'d.

Converted to W.I. 1966. AFE in File to Plug back.

No record of work. Profile survey indicates PB at 4961'

Proposed Work: Plug and Abandon

1. ~~Has tubing~~. If tubing is opened, lower to PBTD, 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 20 sax Class "G" cement mixed w/1# flocele/sack over perforations and above perforations. Minimum requirements - 100' cement plug above perforations. WOC 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 4235'). Top of Mancos Shale 3889'. 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 4 1/2" casing. (50' in casing, 100' in open hole).
  - b. 200' plug from top of Fruitland Coal at 1160' to 1360'.
  - c. 150' plug across base of Ojo Alamo sand at 350'. (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 4 1/2" casing w/4 JSPF as follows:

- a. Fruitland Coal - Pictures Cliffs interval 1220' to 1221'.
- b. Below Ojo Alamo sand from 450' to 451'.

- 9. Run tubing, spot a 50 sack Class "G" cement plug from 1220' to 590'.
- 10. Pull tubing to  $\pm 400'$ , close bradenhead, displace 20 sax through perforations 1220' to 1221'. WOC \_\_\_\_\_ hours.
- 11. Pull tubing to perforations 450' to 451'.
- 12. Load 4 1/2" casing with cement ( $\pm$  35 sax) and pull tubing. With bradenhead open, displace 20 sax cement through perforations 450' to 451'.
- 13. Spot 10 sack plug at surface.
- 14. Install abandonment marker as outlined in step 7.

*COC*  
COC:maf

J. A. Stanzione