

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.
L.M. Phillips No. 7
NM 070322
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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Water Injection</u>		7. UNIT AGREEMENT NAME <u>Carson Unit</u>	
2. NAME OF OPERATOR <u>Shell Oil Company</u>		8. FARM OR LEASE NAME	
3. ADDRESS OF OPERATOR <u>1700 Broadway, Denver, Colorado 80202</u>		9. WELL NO. <u>31-10</u>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) <u>At surface</u> <u>660' FNL & 1980' FEL of Sec. 10, T25N,</u> <u>R12W, NMPM, San Juan Co., N.M.</u>		10. FIELD AND POOL, OR WILDCAT <u>Bisti</u> 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Sec. 10, T25N,</u> <u>R12W, NMPM</u>	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <u>6240' DF</u>	12. COUNTY OR PARISH <u>San Juan</u>	13. STATE <u>N.M.</u>

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(Other) <input type="checkbox"/>	

(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. Planting TITLE Division Operations Engr. DATE 6/17/77

(This space for Federal or State office use)

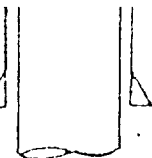
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

CC: NMOCC

Olaf

*See Instructions on Reverse Side

28" $8\frac{5}{8}$ "
237'



Prognosis
Plug and Abandonment
Carson Unit 31-10
Section 10, T 25 N, R 12 W
San Juan County, New Mexico

Pertinent Data

TD: 4995' PBTD: 4933'

$8\frac{5}{8}$ " Csg. @ 237'

$4\frac{1}{2}$ " Csg. @ 4988' w/ 200 sax.

$7\frac{7}{8}$ " Hole

Elevation: 6243' KB

KB - GL = 12'

Permanent Datum = KB

Past and current status: *Presently T.A'd.*
Conv. to injector 1/62. Has drill pipe as casing.
Has 3' of ML pay.

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. *wcc 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 3910'). Top of Mancos Shale 3811'. 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 $4\frac{1}{2}$ " casing. (50' in casing, 100' in open hole)
 - b. 200' plug from top of Fruitland Coal at 1100' to 1300'.
 - * c. ~~150' plug across base of Ojo Alamo sand at~~ . (100' below base of sand and 50' above base of sand).
 - d. 100' plug across shoe of $8\frac{5}{8}$ " casing (30' in casing, 70' in open hole).
 - e. 10 sack plug at surface.

$4\frac{1}{2}$ "
4988'
16.6"

PBTD
@ 4933'

* Ojo Alamo behind $8\frac{5}{8}$ " casing.

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 1140' to 1141'.
 - b. Below Ojo Alamo sand from _____ to _____.
9. Run tubing, spot a 50 sack Class "G" cement plug from 1140' to 410'.
10. Pull tubing to $\pm 400'$, close bradenhead, displace 20 sax through perforations 1140' to 1141'. WOC 2 hours.
11. ~~Pull tubing to perforations _____ to _____.~~ Ojo Alamo sand cased off.
12. Load _____ " casing with cement (\pm _____ sax) and pull tubing. With ~~bradenhead open, displace 20 sax cement through perforations _____ to _____.~~
13. Spot 10 sack plug at surface.
14. Install abandonment marker as outlined in step 7.

COC:maf

J. A. Stanzione