

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
**L. M. Phillips #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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME <b>Carson Unit</b>
2. NAME OF OPERATOR <b>Shell Oil Company</b>	8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR <b>1700 Broadway, Denver, Colorado 80202</b>	9. WELL NO. <b>23-19</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1980' FSL &amp; 1980' FWL of Sec. 19, T25N, R11W, NMPM, San Juan Co., New Mexico</b>	10. FIELD AND POOL, OR WILDCAT <b>Bisti</b>
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>6447' KB</b>
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 19, T25N, R11W, NMPM</b>
	12. COUNTY OR PARISH <b>San Juan</b>
	13. STATE <b>N. M.</b>

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<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. P. Flanigan*

TITLE **Division Operations Engr.**

DATE **SEP 26 1977**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: NMO&GCC

\*See Instructions on Reverse Side

$\frac{8\frac{5}{8}''}{101'}$

Plug and Abandonment  
Carson Unit 23-19  
Section 19, T 25N, R 11W  
San Juan County, New Mexico

Pertinent Data

TD: 4975' PBTD: 4974'  
 $\frac{8\frac{5}{8}''$  Csg. @ 101'

4 $\frac{1}{2}$ '' Csg. @ 4974' w/ 152 sax.

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

Elevation: 6447' KB

KB - CL = 9'  
Permanent Datum = KB

Past and current status: Presently T.A'd.  
Initial production: Pumped 17 BDO.

Proposed Work: Plug and Abandon

1. No equipment. Run tubing . openended, 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. w.o.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 4205'). Top of Manc. Shale 3823'. Do not spend more than 3 hrs. on attempt to pull casing. If unable to pull any cas go to step 8.
6. If casing is recoverable, place cement plugs by cementing through casing or running tubing inside of csg. if 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 11 $\frac{1}{2}$  to 1370'.
  - c. 150' plug across base of Ojo Alamo sand at 290'. (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.

4842'  
4863'  
4908'  
4920'  
4926'  
4940'  
4944'  
4955'

4 $\frac{1}{2}$ ''  
4974'  
9.5''

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 JSPP as follows:
- Fruitland Coal - Pictures Cliffs interval 1205' to 1206'.
  - Below Ojo Alamo sand from 390' to 391'.
9. Run tubing, spot a 50 sack Class "G" cement plug from 1205' to 565'.
10. Pull tubing to 400', close bradenhead, displace 20 sax through perforations 1205' to 1206'. WOC 2 hours.
11. Pull tubing to perforations 390' to 391'.
12. Load 4 1/2" casing with cement (± 30 sax) and pull tubing. With bradenhead open, displace 20 sax cement through perforations 390' to 391'.
13. Spot 10 sack plug at surface.
14. Install abandonment marker as outlined in step 7.

JAL  
COC:anf

J. A. Stanzione