

Form 9-331  
(May 1963)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIP DATE\*  
(Other instructions on reverse side)

Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

E. W. Mudge No. 3

SF 078064

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Carson Unit

8. FARM OR LEASE NAME

9. WELL NO.

12X - 13 (201)

10. FIELD AND POOL, OR WILDCAT

Bisti - Pictured Cliffs

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

Sec. 13, T25N  
R12W, NM, PM

12. COUNTY OR PARISH 13. STATE

San Juan

N.M.

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

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

1500' FNL & 800' FWL of Section 13, T25N, R12W, N.M.P.M.,  
San Juan County, New Mexico

14. PERMIT NO.

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

6379' KB

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

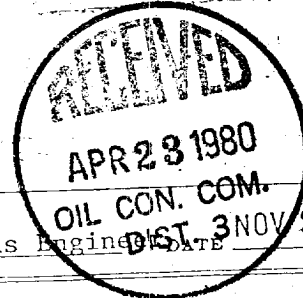
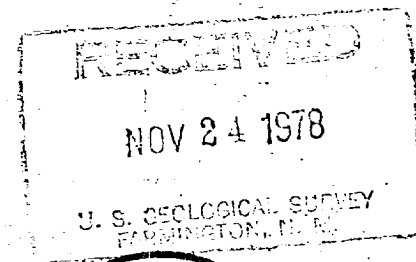
ALTERING CASING

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 prognosis



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

SIGNED

*R. Plauty*

TITLE Division Operations Engineer

(This space for Federal or State office use)

APPROVED

CC: NMO&GCC 1978

P. T. McGRAITH

DISTRICT ENGINEER

\*See Instructions on Reverse Side

OPERATOR

PROGNOSIS  
 PLUG AND ABANDONMENT  
 CARSON UNIT 12X-13 (201)  
 1500' FNL AND 800' FWL  
 SAN JUAN COUNTY, NEW MEXICO

PERTINENT DATA:

A.F.E.: 526581

Elev: 6379' KB  
 KB-GL 5'  
 TD: 1312' PBTD: 842'

7" Casing at 89', cement to surface.  
 4-1/2" casing at 1275', cement to surface.

Past and Current Status: Drilled in June 1977. August 1977 perforated Pictured Cliffs gas sand, no gas. Cemented well back to 842', perforated the Farmington sand, acidized and recovered small trace of gas. Well has 620' of tubing in it.

PROPOSED WORK: Plug and Abandon

Farmington

1. Move in rig.
2. Lower tubing to PBTD, load hole with mud. (Add 20 sacks aquagel plus 1 sack Benex per 100 bbls. of mud or 20 sacks salt gel per 100 bbls. mud.)
3. Spot 20 sacks Class "G" cement mixed with 1# flocele/sack over perforations and above perforations. Minimum requirements - 100' cement plug above perforations. Pull and lay down tubing. W.O.C. 12 hours.
4. Place 10 sack cement plug at surface.
5. Install permanent abandonment marker as follows:

Steel marker at least 4" 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.

Pictured Cliffs

1204'  
 1207'

4 1/2"  
 1275'  
 11.6"

*Handwritten:* JMT ccc  
 11/14/78 C.O.C.  
 EPB  
 11-13-78

*Signature:* G. L. Thompson  
 G. L. Thompson

NEW MEXICO

BISTI FIELD

Carson 12X-13 (#201)

(D) Bayless #1

1270' Pictured Cliffs Test

EL 6374' GR

7" csg @ 89'

6/2: "FR" 89/4/1/89. NU. Located 1500' FNL & 800' FWL, SW/4 NW/4 Section 13-T25N-R12W, San Juan County, New Mexico. Shell's Working Interest: 100%. Spudded @ 3 p.m. 6/1/77. Set 89' of 7" 23# csg @ 89' & cmt'd w/75 sx Class B cmt.

6/3: 600/4/2/511. Drlg.

Mud: (.452) 8.7 x 42 x 11

JUN 03 1977

Carson 12X-13 (#201)

(D) Bayless #1

1270' Pictured Cliffs Test

EL 6374' GR

7" csg @ 89'

6/4: 1016/4/3/416. Drlg.

Mud: (.478) 9.2 x 43 x 12

6/5: 1223/4/4/207. GIH w/bit. Drld to 1187. Ran core bbl. Cored 23' & bbl jammed. Rec'd 21' - cored to 1210. Ran core #3 to 1223'. Cut & rec'd 13'. Dev: 1/2 deg @ 1187'.

Mud: (.478) 9.2 x 43 x 8

6/6: 1302/4/5/79. Circ'g. Schl ran DIL/FDC/GR, CNL/FDC/GR, BHC/GR & 21 side wall smpls. Dev: 1/4 deg @ 1302'.

Mud: (.468) 9 x 56 x 10.8

JUN 06 1977

Carson 12X-13 (#201)

(D)

1270' Pictured Cliffs Test

EL 6374' GR

7" csg @ 89'

4-1/2" csg @ 1275'

TD 1312. PB 1275. MORT. Drld to 1312'. Ran 40 jts (1312') 4-1/2", K55, LT&C, used csg. Howco Plain GS @ 1308 & Insert @ 1275'. Howco cmt'd w/100 sx Halco lite foll'd by 80 sx Class B trt'd w/2% CaCl2. Bumped plug w/1500 psi, flood held. CIP 1:30 p.m. w/cmt to sfc. NU X-tree w/tbg spool in head. Released rig 3 p.m. 6/6/77. (Report discontinued until further activity)

JUN 07 1977

Carson 12X-13 (#201)

(D)

1270' Pictured Cliffs Test

EL 6374' GR

7" csg @ 89'

4-1/2" csg @ 1275'

TD 1312. PB 1275. (RRD 6/7/77) RU Farmington Well Service. Tested BOP's. Ran tbg open ended. Hit cmt @ 1234'. Circ w/KCL and CACL wtr. Tested csg to 1400. Ran CBL, CNL & PDC. Good bonding across Pictured Cliffs and Farmington Sand. Swabbed FL to 1150'. Ran 3-3/8" Hollow Carrier Gun Hyperjet 2. Perf'd 4 holes 1204-1207 (Pictured Cliffs). No gas shows. Set pkr @ 1191' & BP @ 1225'. Acidized w/3000 cu/ft N<sub>2</sub> followed w/250 gals HCl aereated w/1100 cu/ft N<sub>2</sub>/bbl. Flushed with Nitrogen. Formation broke down @ 1600. Treated @ 1200 @ 1 BM. Swabbed 1 bbl mud cut foamy fluid. Trace of gas. Waited 45 min. Swabbed 1/2 bbl foamy fluid, no gas. Installed pressure gauge on tbg. In 13 hrs press was 8 psi. Swabbed w/no recovery. Pulled BP & pkr. Spotted 35 sx cmt plug from 1225 to 750'.

AUG 26 1977

Carson 12X-13 (#201)

(D)

1270' Pictured Cliffs Test

EL 6374' GR

7" csg @ 89'

4-1/2" csg @ 1275'

AUG 29 1977

TD 1312. PB 1275. 8/26: Tagged cmt top @ 842'. RU Schl. Ran 3-3/8" Hollow Carrier Hyperjet 2. Perf'd 6 holes in Farmington Sand 707-713, and 4 holes 689-692. Had 1/4 bbl fluid entry in 5 min. Set Ret BP @ 745 & pkr @ 730'. Tested w/3000. Reset pkr @ 676'. Acidized 10 holes above as follows: 6000 cu ft N<sub>2</sub> followed w/400 gals 7-1/2% HCl containing 3 gals S-52B foaming agent. Areated w/1100 cu ft N<sub>2</sub>/bbl, flushed w/N<sub>2</sub>. SI 20 min. Opened well. Flowed 4 bbls foam, water and acid. Swabbed @ 1 bbl/hr. Trace of gas. Would not burn. Left well flowing for 4 hrs. Installed gauge. 8/27: After 12 hrs 70 psi on tbg. Blew down in 1 min. Would not flow. Swabbed and rec'd water w/trace gas (10 mcf day and 5 bbls wtr). 8/28: 70 psi on tbg after 17 hrs. Blew down in 1 min. Decreasing in wtr prod. Gas will not burn continuously.

Carson 12X-13 (#201)

(D)

1270' Pictured Cliffs Test

EL 6374' GR

7" csg @ 89'

4-1/2" csg @ 1275'

TD 1312. PB 1275. No report.

AUG 31 1977

Carson 12X-13 (#201)

(D)

1270' Pictured Cliffs Test

EL 6374' GR

7" csg @ 89'

4-1/2" csg @ 1275'

TD 1312. PB 1275. Pulled pkr & BP. Ran tbg OE to 620'.

SI well & TA'd.

(Report discontinued until further activity)

AUG 31 1977