

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other JAN 14 1982  
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVER. ☐ Other OIL CON. COM.  
3. NAME OF OPERATOR SHELL OIL COMPANY  
4. ADDRESS OF OPERATOR P.O. Box 831 Houston, TX 77001 ATTN: P.G. Gelling AM #6459 WCK  
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):  
At surface 1500' FNL & 800' FNL SEC. 13  
At top prod. interval reported below  
At total depth

14. PERMIT NO.

DATE ISSUED

U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

6. LEASE DESIGNATION AND SERIAL NO. SF 078064  
7. IF INDIAN, ALLOTTEE OR TRIBE NAME  
8. UNIT AGREEMENT NAME CARSON Unit  
9. FARM OR LEASE NAME  
10. WELL NO. 201 (12x13)  
11. FIELD AND POOL, OR WILDCAT Bisti  
12. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SW/4 NW/4 T2S N12W  
13. COUNTY OR PARISH  
14. STATE  
15. DATE SPUDDED 6-1-77  
16. DATE T.D. REACHED 6-6-77  
17. DATE COMPL. (Ready to prod.) 8-28-77  
18. ELEVATIONS (OF, EEL, RT, GR, ETC.) \* 6379' KB  
19. ELEV. CASINGHEAD  
20. TOTAL DEPTH, MD & TVD 1312'  
21. PLUG BACK T.D., MD & TVD 1275'  
22. IF MULTIPLE COMPL., HOW MANY \*  
23. INTERVALS DRILLED BY  
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) \*  
25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN PICTURED CLIFFS TOP @ 1204'  
27. TYPE ELECTRIC AND OTHER LOGS RUN DIL/FDC/GR CNL/FDC/GR BHC/GR 21 SIDE WALL SAMPLES  
28. WAS WELL CORED YES

29. CASING RECORD (Report all strings set in well)  
Casing Size Weight, lb./ft. Depth Set (MD) Hole Size Cementing Record Amount Pulled  
7" 23# 89' 8 3/4" 75 SX  
4 1/2" 1275' 180 SX

30. LINER RECORD  
Size Top (MD) Bottom (MD) Sacks Cement Screen (MD)  
31. TUBING RECORD  
Size Depth Set (MD) Packer Set (MD)

32. PERFORATION RECORD (Interval, size and number)  
1204-1207 4 holes  
707-713 6 holes  
689-692 4 holes  
33. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
Depth Interval (MD) Amount and Kind of Material Used  
1204-1207 250 GALS HCL w/1100 CWFT N<sub>2</sub>/661  
689-713 400 GALS HCL w/1100 CWFT N<sub>2</sub>/661

34. PRODUCTION  
Date First Production 8-26-77 Production Method (Flowing, gas lift, pumping—size and type of pump) FLOWING Well Status (Producing or shut-in) P & A  
Date of Test NO TEST Hours Tested NO TEST Choke Size NO TEST Prod'n. for Test Period NO TEST Oil—BSL NO TEST Gas—MCF NO TEST Water—BSL NO TEST Gas—Oil Ratio  
Flow. Tubing Press. Casing Pressure Calculated 24-Hour Rate Oil—BSL Gas—MCF Water—BSL Oil Gravity-API (CORR.)

35. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY  
36. LIST OF ATTACHMENTS

37. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED J. F. N. KELL DORE TITLE DIVISION PROD. ENGINEER DATE 1-5-82

\*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOC

FARMINGTON DISTRICT

BY

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 83, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 85.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 83. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Seals Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|-----------|-----|--------|-----------------------------|
|           |     |        |                             |
|           |     |        |                             |
|           |     |        |                             |
|           |     |        |                             |

## 38. GEOLOGIC MARKERS

| NAME           | MEAS. DEPTH | TOP | TRUE VERT. DEPTH |
|----------------|-------------|-----|------------------|
| RETURNED CLIPS | 1204        |     |                  |
| FRUITLAND      | 890         |     |                  |
| FARMINGTON     | 640         |     |                  |
| KIRTLAND       | 260         |     |                  |

NEW MEXICO  
BISTI FIELD

Carson 12X-13 (#201) 6/2: "FR" 89/4/1/89. NU. Located 1500' FNL & 800' FWL,  
(D) Bayless #1 SW/4 NW/4 Section 13-T25N-R12W, San Juan County, New  
1270' Pictured Cliffs Test Mexico. Shell's Working Interest: 100%. Spudded @  
EL 6374' GR 3 p.m. 6/1/77. Set 89' of 7" 23# csg @ 89' & cmt'd  
7" csg @ 89' w/75 sx Class B cmt. JUN 03 1977  
6/3: 600/4/2/511. Drlg.  
Mud: (.452) 8.7 x 42 x 11

Carson 12X-13 (#201) 6/4: 1016/4/3/416. Drlg.  
(D) Bayless #1 Mud: (.478) 9.2 x 43 x 12  
1270' Pictured Cliffs Test 6/5: 1223/4/4/207. GIH w/bit. Drld to 1187. Ran core  
EL 6374' GR bbl. Cored 23' & bbl jammed. Rec'd 21' - cored to 1210.  
7" csg @ 89' 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) TD 1312. PB 1275. MORT. Drld to 1312'. Ran 40 jts  
(D) (1312') 4-1/2", K55, LT&C, used csg. Howco Plain GS @  
1270' Pictured Cliffs Test 1308 & Insert @ 1275'. Howco cmt'd w/100 sx Halco lite  
EL 6374' GR foll'd by 80 sx Class B trt'd w/2% CaCl2. Bumped plug  
7" csg @ 89' w/1500 psi, fload held. CIP 1:30 p.m. w/cmt to sfc. NU  
4-1/2" csg @ 1275' 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) TD 1312. PB 1275. (RRD 6/7/77) RU Farmington Well  
(D) Service. Tested BOP's. Ran tbg open ended. Hit cmt  
1270' Pictured Cliffs Test @ 1234'. Circ w/KCL and CACL wtr. Tested csg to 1400.  
EL 6374' GR Ran CBL, CNL & PDC. Good bonding across Pictured Cliffs  
7" csg @ 89' and Farmington Sand. Swabbed FL to 1150'. Ran 3-3/8"  
4-1/2" csg @ 1275' 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 aerated 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.

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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