

- AMENDED -
#28

UNITED STATES

SUBMIT IN DUPLICATE*

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Shell Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 831 Houston, TX 77001 ATTN: C.E. Tixier RM. #1916

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 790' FNL + 1100' FEL Sec. 10

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

NM-070322

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

CARSON UNIT

8. FARM OR LEASE NAME

Unit

9. WELL NO.

202

10. FIELD AND POOL, OR WILDCAT

Bisti Pictured Cliffs

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

Sec. 10
NE 1/4 NE 1/4 T25N R12W

12. COUNTY OR PARISH

SAN JUAN

13. STATE

New Mexico

15. DATE SPUDDED

3-18-80

16. DATE T.D. REACHED

3-25-80

17. DATE COMPL. (Ready to prod.)

7-18-80

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

6236' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

1208'

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

FRUITLAND: TOP @ 1070' PICTURED CLIFFS: TOP @ 1113'

26. TYPE ELECTRIC AND OTHER LOGS RUN

PDC/DIL

27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	23 lb	135'	8 3/4"	50 SK	
2 7/8"	6.5 lb	1208'	5 1/2"	230 SK	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

1115-1117 14 SHOTS
1122-1126

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
GROSS PERFS	250 GALS 15% HCL
GROSS PERFS	250 GALS 12-3 MUO ACID
GROSS PERFS	166 GALS 15% HCL

33.* PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

7-18-80

24

< 85

FLOW, TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

< 15 psi

< 90

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

SOLD

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

ACCEPTED FOR RECORD

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED C. E. Tixier

TITLE DIVISION PROD. ENGINEER

DATE 3-30-81

FARMINGTON DISTRICT

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

KB

- AMENDED -
#28

NMOCC

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 33, 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 35.

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 33. 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: "Sacks 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			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Kirkland	178'	
				FARMINGTON	583'	
				Fruitland	1070'	
				RETURCO CLIFFS	1113'	

NEW MEXICO

BISTI FIELD

Shell-Carson 202
(D) Wilson #4
1200' Pictured Cliffs Test
\$ 2M
WI - 100%
GR 6232'

Status: 100% rigged up. Prep. to mix spud mud.

MAR 18 1980

NEW MEXICO

BISTI FIELD

Shell-Carson 202
(D) Wilson #4
1200' Pictured Cliffs Test
\$7M/\$33M
WI - 100%
GR 6232'
7" csg at 135'

145/145//1/5. Status: Nipple up.
Ran 7" csg to 135'.
Spudded at 7:00 AM, 3-18-80
Location: 790 FNL, 1100 FEL.
Section 10, T25N, R12W
San Juan County, NM

MAR 20 1980

NEW MEXICO

BISTI FIELD

Shell-Carson 202
(D) Wilson #4
1200' Pictured Cliffs Test
\$11M/\$33M
WI - 100%
GR 6232'
7" csg @ 135'

145/0//2/5. Status: Shut down for night.
W.O. cmt & build choke manifold & kill line.

MAR 20 1980

NEW MEXICO

BISTI FIELD

Shell-Carson 202
(D) Wilson #4
1200' Pictured Cliffs Test
\$13M/\$33M
WI - 100%
GR 6232'
7" csg @ 135'

145/0//3/5. Status: Shut down for night.
Work on choke manifold; repair drum; changeout
drilling line. Test csg to 1000 psi, test BOP.

MAR 21 1980

NEW MEXICO

BISTI FIELD

Shell-Carson 202
(D) Wilson #4
1200' Pictured Cliffs Test
\$19M/\$33M
WI - 100%
GR 6232'
7" csg @ 135'

3-22-80

380/235//4/5. Status: Shut down for night.
Drill out shoe & cmt. Trip in to shoe & secure
for night.
Mud: (.452) 8.7

3-23-80

900/520//5/5. Status: Shut in for night.
Drilling & pull into shoe to secure rig.
Mud: (.447) 8.5 x 31 x 15.6

3-24-80

1212/312//6/5. Status: Shut in for night.
Rig up loggers. Hit bridge at 644' w/DIL tool.
TIH, wash thru interval, pull into shoe & secure
for night.
Mud: (.530) 10.2 x 45 x 15

NEW MEXICO

BISTI FIELD

Shell-Carson 202

(D) Wilson #4

1200' Pictured Cliffs Test

\$26M/\$33M

WI - 100%

GR 6232'

7" csg @ 135'

1212/0//7/5. Status: TIH.

Ran logs. Trip to shoe & shut in BOP.

Mud: (.536) 10.3 x 45 x 15.5

MAR 25 1980

NEW MEXICO

BISTI FIELD

Shell-Carson 202

(D) Wilson #4

1200' Pictured Cliffs Test

\$32M/\$33M

WI - 100%

GR 6232'

7" csg @ 135'

TD 1208/0//8/5. Status: Moving to Carson 203.

Ran 1208' 2-7/8" 6.5# K-55 tubing. Cmt w/130 sx

65/35 Poz, 6% gel, 6-1/4#/sx Flocele. Tail w/100 sx

50/50 Poz, 2% gel. Bumped plug w/6.9 bbls fresh

water. 100% returns throughout job. Released

rig at 3:30 PM, 3-25-80.

Cost \$32,375.

A MAR 25 1980

CONTRACT: FARMINGTON WELL SERV.
RIG NO.: 16
FIELD: BISTI
LEASE: CARSON UNIT
WELL NO.: 202
COUNTY: SAN JUAN
STATE: NEW MEXICO
DATE: JULY 11, 1980

REMARKS: AFE 579351

Move in and rigged up Farmington Well Service. Installed swabbing lubricator. Hit fluid level at 900'. Swabbed dry. Rigged up Dowell and pumped 2 bbls. 15% HCl acid in well. Rigged up Blue Jet perforators and ran 2-1/8" retrievable formed wire perforating gun loaded w/22 gram charges and perf'd P.C. interval 1115', 1117' and 1122' to 1126'. Pressure buildup before perforating 40 psi in 10 minutes, after perforating 30 psi in 3 minutes. Ran swab and swabbed 3 ± bbls. Well dry. Pressure buildup 250 gals. 15% HCl followed by 250 gals. 12-3 Mud acid followed by 166 gals. 15% HCl acid and displaced acid to perfs w/MSR fluid. Pumped treatment at 1/4 BPM w/240 psi. ISIP 240 psi, 5 min. 115 psi, 15 min 0 psi. Total load to recover 23 bbls. Swabbed 8 ± bbls. fluid. Well dry. Pressure buildup 80 psi in 15 min., 130 psi in 30 min. SDFN.

UNIT OR RIG COST FOR TODAY:	\$1365.61
OTHER COSTS FOR TODAY:	\$2384.00
TODAYS TOTAL COST:	\$3750.00
CUMULATIVE TOTAL COST:	\$3750.00

MISCELLANEOUS COSTS:	
DOWELL	\$1627.00
BLUE JET PERFORATORS:	\$ 756.52

CONTRACT: FARMINGTON WELL SERV.
RIG NO.: 16
FIELD: BISTI
LEASE: CARSON UNIT
WELL NO.: 202
COUNTY: SAN JUAN
STATE: NEW MEXICO
DATE: JULY 12, 1980

REMARKS:

Bled well down from 180 psi to $\emptyset$ at 3:30 A and 7:30 A. Ran swab bit fluid level at 700'. Swabbed 2+ bbls. Well dry. Pressure buildup 30 psi in 3 min. Small amount of fluid entering well bore. Continued swabbing. Recovered approximately 11 bbls. of 23 bbl. load. Increased pressure buildup from 30 psi in 3 min. to 40 psi in 3 min., 60 psi in 5 min. Rigged down Farmington Well Service. Well buildup to 180 psi in 45 minutes.

Surface pressure buildup:

5 min. SI -	70 psi
10 min. SI -	103 psi
15 min. SI -	130 psi
20 min. SI -	148 psi
25 min. SI -	158 psi
30 min. SI -	167 psi
35 min. SI -	172 psi
1 hr. SI -	180 psi

UNIT OR RIG COST FOR TODAY:	(820)
	\$817.03
TODAYS TOTAL COST	(820)
	\$817.00
CUMULATIVE TOTAL COST	\$4570.00

CONTRACT: FARMINGTON WELL SERV.
RIG NO.: 16
FIELD: BISTI
LEASE: CARSON UNIT
WELL NO.: 202
COUNTY: SAN JUAN
STATE: NEW MEXICO
DATE: JULY 18, 1980

REMARKS:

Moved in and rigged up Farmington Well Service. Swabbed 2+ bbls. fluid. Well dry. Rigged down Farmington Well Service. Remaining load to recover 10 ± bbls.

Flow rate low. Estimated rate was less than 90 MCFPD.

7-19-80 1 min. SI - 30 psi
 2 min. SI - 45 psi
 3 min. SI - 57 psi
 4 min. SI - 67 psi
 5 min. SI - 75 psi
 6 min. SI - 80 psi
 7 min. SI - 85 psi
 8 min. SI - 90 psi
 9 min. SI - 95 psi
 10 min. SI - 98 psi
 15 min. SI - 109 psi
 20 min. SI - 115 psi
 25 min. SI - 119 psi
 30 min. SI - 122 psi

UNIT OR RIG COST FOR TODAY:	\$ 569.33
TODAYS TOTAL COST	\$ 570.00
CUMULATIVE TOTAL COST	\$5140.00