

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.

**SF078064**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

**Carson Unit**

8. FARM OR LEASE NAME

**Unit**

9. WELL NO.

**200**

10. FIELD AND POOL, OR WILDCAT

**Bisti Field**

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

**SW/4 SE/4 Section 13-  
T25N-R12W**

12. COUNTY OR PARISH 13. STATE

**San Juan**

**New Mexico**

**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 ☒ **Dry (P&A'd after completion attempt)**

2. NAME OF OPERATOR

**Shell Oil Company**

3. ADDRESS OF OPERATOR

**1700 Broadway**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

**1175' FSL and 1665' FEL Section 13**

14. PERMIT NO.

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

**6408 GL, 6419 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 ☐

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.)\*

**Per attached well history and Form 9-330 Well Completion Report  
and Log.**

**NOTE: Reserve pit has been filled, location cleared of junk  
and equipment and location is ready for inspection.**

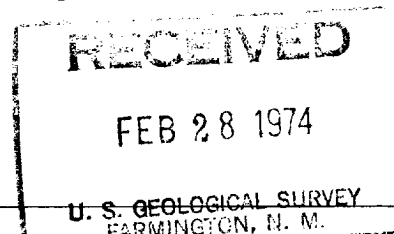
**Please forward two (2) approved copies to:**

✓ **Oil & Gas Conservation Commission**

**1000 Rio Brazos Road**

**Astec, New Mexico 87410**

**Attention Mr. E. C. Arnold, Supervisor & Oil & Gas Inspector**



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

SIGNED **J. S. Mize**

TITLE **Div. Operations Engineer**

DATE **2/25/74**

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE **MAR 1974**

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

**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 17:** Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.



SHELL OIL COMPANY  
FROM 3/5/73 - 2/14/74

LEASE CARSON UNIT  
DIVISION WESTERN  
COUNTY SAN JUAN

WELL NO. 34X-13 (#200)  
ELEV 6419 KE, 6408 GL  
STATE NEW MEXICO

NEW MEXICO

BISTI FIELD

CARSON UNIT

Unit 34X-13 (#200)  
(PDET) Young #1  
1300' Pictured Cliffs  
Test

"FR" MIRT.  
Located 1175' FSL and 1665' FEL (SW/4 SE/4) Section 13-  
T25N-R12W, San Juan, New Mexico.  
Elev: 6408 GL  
Shell Working Interest: 100%  
This exploratory test is designed to evaluate the  
shallow Pictured Cliffs sandstone in our Carson Unit-  
Bisti Field. The Pictured Cliffs is gas productive  
in West Kutz Field about 7 miles NE and downdip from  
the Carson Unit. MAR 5 1973

Unit 34X-13 (#200)  
(PDET) Young #1  
1300' Pictured Cliffs  
Test  
8-5/8" csg @ 326'

330/3/1/330. WOC. Dev: 1/4" @ 330. Started drlg  
mousehole and mudding up @ 2 PM. Spudded 12 1/4" hole  
@ 4 PM, 3/5/73. Ran 11 jts 8-5/8", 24#, K-55, ST&C  
csg (343.26') w/Halco shoe @ 326, Baker centralizer  
@ 317.99, Baker insert float @ 263.57. Cmtd w/225  
sx Halco Class "A" cmt w/3% CaCl<sub>2</sub>. Plug down @ 4 AM,  
3/6. Good returns throughout job. Cmt circ. Float  
did not hold. MAR 6 1973  
Mud: Gel and wtr

Unit 34X-13 (#200)  
(PDET) Young #1  
1300' Pictured Cliffs  
Test  
8-5/8" csg @ 326'

1330/3/2/1000. Logging CNL-FDC/GR w/cal. Reached TD  
@ 12:30 AM, 3/7. Ran DIL/SP. MAR 7 1973  
Mud: 8.9 x 50 x 6

Unit 34X-13 (#200)  
(PDET)  
1330' Pictured Cliffs  
Test  
4 1/2" csg @ 1324'

TD 1330. MORT. Ran 42 jts (1347.43') 4 1/2", 9.5#, K-55  
csg w/shoe @ 1324', Baker centralizers @ 1316, 1251,  
1165 and 1121, insert float @ 1290. With 20 bbls 3%  
KCL wtr ahead, Halco cmtd w/100 sx Class "A" w/10% NaCl  
and 1% CFR-2. Displaced w/21 bbls 3% KCL wtr. Recipro-  
cated and bumped plug w/1750 psi @ 6:45 PM, 3/7, float  
held. Released rig @ 8 PM, 3/7/73. (RDUFA) MAR 8 1973



Unit 34X-13 (#200)  
(PDET)  
1330' Pictured Cliffs  
Test  
4½" csg @ 1324'

TD 1330. (RRD 3/8/73). Prep to sd frac. Installed 4½" 2000 psi orbit valve and tree. Press tested csg to 2500 psi for 15 min, OK. Installed flowline to battery. RU Schl and perf'd 2 shots/ft @ 1234-1256 (22 shots) w/3-3/8" hollow carrier gun w/13.5 gr Hyperjet charges. Set water tank and filled w/wtr in preparation for sd frac. MAR 21 1973

Unit 34X-13 (#200)  
(PDET)  
1330' Pictured Cliffs  
Test  
4½" csg @ 1324'

TD 1330. Prep to blow down well w/Newsco. RU Dowell. Broke fm down @ 11 B/M rate w/1800 psi. Initial press broke to 900 psi. Pmpd 2000 gal Wide Frac 4 @ 1000 psi followed by 18,000 gal Wide Frac 4 containing 1#/gal 20-40 sd. Inj rate 15 B/M @ 1000 psi. Flushed w/850 gal wtr. Fluid contained 2% KCl. ISIP 1000 psi. MAR 21 1973

N<sub>2</sub>.

Unit 34X-13 (#200)  
(PDET)  
1330' Pictured Cliffs  
Test  
4½" csg @ 1324'

TD 1330. Prep to inject wtr. Opened well w/zero press. RU Newsco and started pmpg nitrogen at rate of 200 cu ft/min. Rec'd 20 BW at rate of 1 B/M, w/rate decr to 1 G/M for 5 min. Shut off Newsco and bled well to zero in 5 min. Resumed pmpg nitrogen @ 200 cu ft/min for 30 min. Well flwd wtr at rate of 1.5 G/M and decr to <1 G/M. Incr inj rate to 600 cu ft/min for 15 min w/very sli incr in wtr. Slowed inj rate back to 200 cu ft/min for 15 min. SD 5 hrs then resumed inj nitrogen @ 200 cu ft/min rate. Well flwd 10 BW in 2 min, decr to 1 G/M for 15 min. SD and left well on 1" chk overnight. MAR 23 1973

Unit 34X-13 (#200)  
(PDET)  
1330' Pictured Cliffs  
Test  
4½" csg @ 1324'

TD 1330. No report. MAR 26 1973



Unit 34X-13 (#200)  
(PDET)  
1330' Pictured Cliffs  
Test  
4½" csg @ 1324'

TD 1330. PB 1283.  
3/24: Prep to inj nitrogen. Well press zero. Inj N<sub>2</sub> through 1" tbg @ 200 cu ft/min. Rec'd 15 BW and no gas. SI 5 hrs. Inj N<sub>2</sub> and rec'd 10 BW and no gas. SI 6 hrs and inj N<sub>2</sub>, rec'g 12 BW.  
3/25: SI. Well press zero. Inj N<sub>2</sub> and rec'd approx 15-18 BW w/no indication of gas. Checked PBD @ 1283. Pulled Newsco tbg. Closed 4½" orbit valve and installed 4" bullplug and gauge in top of valve. Closed flowline chk. Released Newsco @ 10 AM, 3/24/73.  
Correction to status on report of 3/23: Prep to inj nitrogen instead of wtr. MAR 27 1973  
(RDUFA)

Unit 34X-13 (#200)  
(PDET)  
1330' Pictured Cliffs  
Test  
4½" csg @ 1324'

Unit 34X-13 (#200)  
(PDET)  
1330' Pictured Cliffs  
Test  
4½" csg @ 1324'

TD 1330. PB 1272. (RRD 3/27/73)  
6/30: FL approx 100' above perfs. RU Dresser-Atlas  
and ran tracer survey over perf'd interval 1234-56.  
Fluid entering fm @ 1265. PBTD @ 1272. (RDUFA) JUL 2 1973

TD 1330. PB 1272. (RRD 7/2/73). WELL PLUGGED AND  
ABANDONED. MI Halliburton and plugged well as follows:

<u>Interval</u>	<u>Sx Cmt</u>	<u>Type Cmt</u>
1024-1275	20	Reg cmt w/2% CaCl2 & 1/4#/sk Flocele
5-100	10	Reg cmt w/2% CaCl2 & 1/4#/sk Flocele

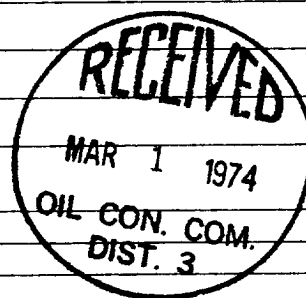
Cut off csg 5' below GL. Installed dry hole marker 3'  
into 4½" csg and welded plate around marker and top of  
8-5/8" csg. Released Hal. P&A complete @ 7 PM, 2/12/74.  
Elev: 6419 KB, 6408 GL.  
Log Top: PICTURED CLIFFS SS 1231' (+5188)  
This exploratory test encountered 18' net sandstone in  
the objective Pictured Cliffs w/8' exhibiting greater  
than 20% porosity and a calculated maximum  $S_g$  of 61%.  
Completion attempts, after fracture treatment, failed  
to establish gas production; however, tracer survey  
suggests fractured treatment below objective. Further  
evaluation by drilling an additional well is being  
considered.  
FINAL REPORT.

FEB 14 1974



## CASING AND CEMENTING

Field Bisti Well Carson Unit 34X-13 (#200)  
Job: 8-5/8 " O.D. Casing/Liner. Ran to 325.99 feet (KB) on March 6, 1973  
Jts. Wt. Grade Thread New Feet From To  
11 24# K-55 8rd Yes 343.26 CHF 325.99



### Casing Hardware:

Float shoe and collar type Halco  
Centralizer type and product number Baker  
Centralizers installed on the following joints Baker @ 317.99

Other equipment (liner hanger, D.V. collar, etc.) Baker Insert Float @ 263.57

### Cement Volume:

Caliper type \_\_\_\_\_ . Caliper volume \_\_\_\_\_  $\text{ft}^3$  + excess over caliper  
\_\_\_\_\_  $\text{ft}^3$  + float collar to shoe volume \_\_\_\_\_  $\text{ft}^3$  + liner lap \_\_\_\_\_  $\text{ft}^3$   
+ cement above liner \_\_\_\_\_  $\text{ft}^3$  = \_\_\_\_\_  $\text{ft}^3$  (Total Volume).

### Cement:

Preflush—Water 20 bbls, other \_\_\_\_\_ Volume \_\_\_\_\_ bbls  
First stage, type and additives Class A w/3%  $\text{CaCl}_2$  . Weight \_\_\_\_\_ lbs/gal, yield \_\_\_\_\_  
 $\text{ft}^3/\text{sk}$ , volume 225 sx. Pumpability \_\_\_\_\_ hours at \_\_\_\_\_  $^{\circ}\text{F}$ .  
Second stage, type and additives \_\_\_\_\_ . Weight 15.9 lbs/gal, yield 1.18  
 $\text{ft}^3/\text{sk}$ , volume \_\_\_\_\_ sx. Pumpability \_\_\_\_\_ hours at \_\_\_\_\_  $^{\circ}\text{F}$ .

### Cementing Procedure:

~~Pump~~/reciprocate Reciprocated up to bump plug  
Displacement rate \_\_\_\_\_  
Percent returns during job \_\_\_\_\_  
Bumped plug at 4 AM/PM with 600 psi. Bled back 1/2 bbls. Hung csg  
with \_\_\_\_\_ lbs on slips.

### Remarks:

Cement circulated - good returns. Float did not hold since we did not drop ball.

Drilling Foreman Dick Landers  
Date 3/7/73

## CASING AND CEMENTING

Field Bisti Well Carson Unit 34X-13 (#200)

Job: 4 1/2 " O.D. Casing/liner. Ran to 1324 feet (KB) on March 7, 1973

Jts.	Wt.	Grade	Thread	New	Feet	From	To
					10	KB	CHF
						CHF	

42	9.5#	K-55	ST&C	Yes	1347.43	0	1323.25
Baker Shoe					.75	1323.25	1324

### Casing Hardware:

Float shoe and collar type Baker shoe @ 1323.25 and Insert Collar @ 1290

Centralizer type and product number \_\_\_\_\_

Centralizers installed on the following joints Baker @ 1316, 1251, 1165 and 1121

Other equipment (liner hanger, D.V. collar, etc.) \_\_\_\_\_

### Cement Volume:

Caliper type \_\_\_\_\_ . Caliper volume \_\_\_\_\_ ft<sup>3</sup> + excess over caliper  
\_\_\_\_\_ ft<sup>3</sup> + float collar to shoe volume \_\_\_\_\_ ft<sup>3</sup> + liner lap \_\_\_\_\_ ft<sup>3</sup>  
+ cement above liner \_\_\_\_\_ ft<sup>3</sup> = \_\_\_\_\_ ft<sup>3</sup> (Total Volume).

### Cement:

Preflush-Water \_\_\_\_\_ bbls, other 3% KCl water 20 bbls Volume \_\_\_\_\_ bbls

First stage, type and additives Class A . Weight 15.6 lbs/gal, yield \_\_\_\_\_

ft<sup>3</sup>/sk, volume 100 sx. Pumpability \_\_\_\_\_ hours at \_\_\_\_\_ °F.

Second stage, type and additives \_\_\_\_\_ . Weight \_\_\_\_\_ lbs/gal, yield \_\_\_\_\_

ft<sup>3</sup>/sk, volume \_\_\_\_\_ sx. Pumpability \_\_\_\_\_ hours at \_\_\_\_\_ °F.

### Cementing Procedure:

~~Down~~/reciprocate 30 min

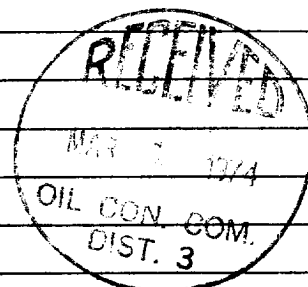
Displacement rate \_\_\_\_\_

Percent returns during job \_\_\_\_\_

Bumped plug at 6:45 ~~AM~~/PM with 1750 psi. Bled back 1/2 bbls. Hung csg  
with \_\_\_\_\_ lbs on slips.

### Remarks:

Good circulation throughout job. Float held.



Drilling Foreman Dick Landers  
Date 3/8/74