NM O&G Comm.

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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 (Rocky Mtn Div. Production)

3. ADDRESS OF OPERATOR
730 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 1175' FNL and 665' FEL Sec 13

5. LEASE DESIGNATION AND SERIAL NO.

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
NW/4 SE/4 Section 13-T25N-R12W

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6408 GL

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) To Provide Basic Well Data			X
(Other)	☐			(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.) *

As per attached Well Log and History to Date and Casing and Cementing Detail

RECEIVED
JAN 11 19[illegible]
OIL CON. COM.
DIST. 3

RECEIVED
JAN 7 1974
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

✓ Please forward (2) approved copies to:

Oil and Gas Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico 87410

Attention Mr. E. C. Arnold, Supvr. & Oil & Gas Inspector

Note: Notice of Intention to P & A was submitted November 6, 1973; when all work is completed, the Subsequent Report of Abandonment will be filed in addition to the Form 9-330 (Well Log & History)

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

SIGNED Orig Signed by J.M. Ige TITLE Division Operations Engr. DATE Jan. 4, 1974

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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.

☆ U.S. GOVERNMENT PRINTING OFFICE: 1972-782-241/207 REGION NO. 8

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 12¼" 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% $CaCl_2$. 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 4½" csg @ 1324'	TD 1330. MORT. Ran 42 jts (1347.43') 4½", 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. Reciprocated 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 2 1 1973

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

TD 1330. Prep to blow down well w/Nowsco. 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 2 2 1973

N_2.

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

TD 1330. Prep to inject wtr. Opened well w/zero press. RU Nowsco 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 Nowsco 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 2 3 1973

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

TD 1330. No report. MAR 2 6 1973

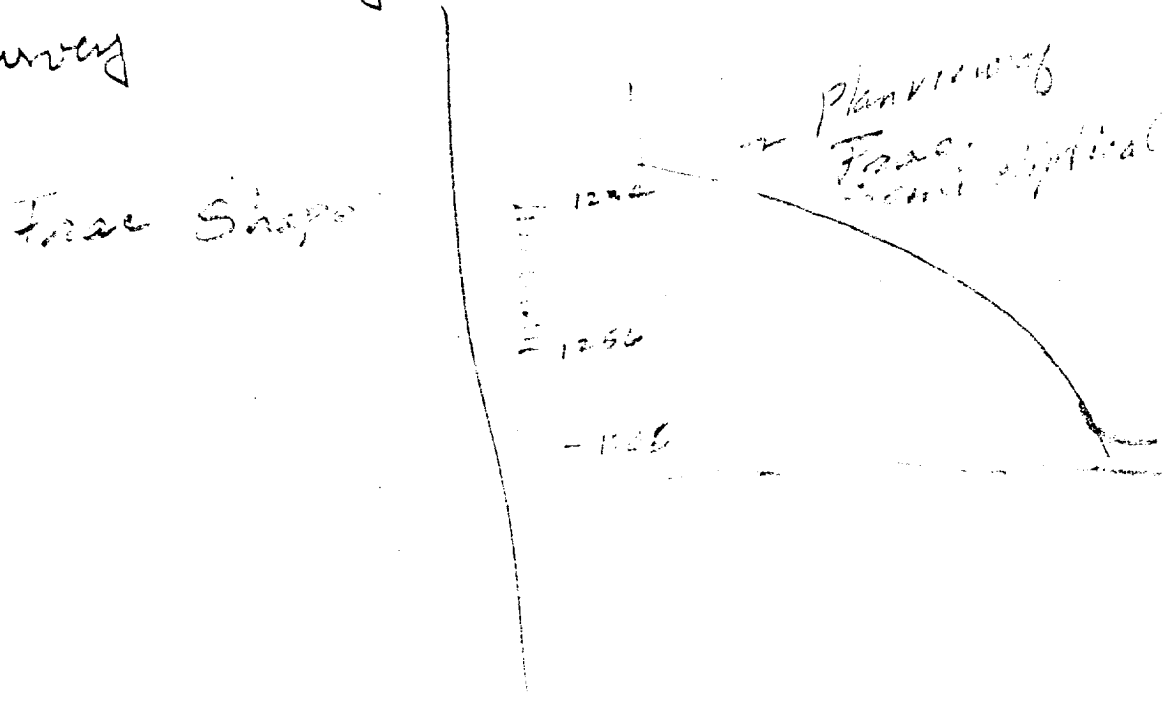
Unit 34X-13 (#200)
(PDET)
1330' Pictured Cliffs
Test
4½" csg @ 1324'

TD 1330. PB 1283.
3/24: Prep to inj nitrogen. Well press zero. Inj N_2 through 1" tbg @ 200 cu ft/min. Rec'd 15 BW and no gas. SI 5 hrs. Inj N_2 and rec'd 10 BW and no gas. SI 6 hrs and inj N_2, rec'g 12 BW.
3/25: SI. Well press zero. Inj N_2 and rec'd approx 15-18 BW w/no indication of gas. Checked PBTD @ 1283. Pulled Nowsco tbg. Closed 4½" orbit valve and installed 4" bullplug and gauge in top of valve. Closed flowline chk. Released Nowsco @ 10 AM, 3/24/73.
Correction to status on report of 3/23: Prep to inj nitrogen instead of wtr. MAR 2 7 1973
(RDUFA)

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

* Ran G R Correlation Log. Loaded hole w/ wtr F. L. Contunually dropping. Ran tracer survey



RM-62 (9-67)

Glasgow
Colfax

CASING AND CEMENTING

Field Bisti Well Carson Unit 34X-13 KB to CHF 10

Shoe joint started in hole at 4130 M (Date) 3-7-73

Ran 42 jts. 4½, Smls, STEC 8rd casing to 1324

Jts.	Wt.	Grade	ST&C LT&C	New	Feet	From	To
42	9.5	K-55	STEC	✓	1347.43	0	1323.25
		Baker Shoe			.75	1323.25	1324

good circulation Throughout Job
& float held

12' KB to GL D.F.

Total

Collar at

Baker Insert Collar at 1290.00

Baker Shoe at 1323.25

No. Make & Type:

Baker 4 Centralizers: Spaced 1316 ' from 1251 - 1165 ;
Spaced 1121 ' from - ; Spaced ' from -
; Spaced ' from -
Scratchers: Spaced ' from - ; Spaced '
from - .

Cementing: Broke circulation at M psi. Reciprocated and circulated 30
min. with 20 3% KCL bbls (Salt) Water ahead cemented through shoe at 1324 ' with 100
sx Class A cement, * % gel, salt saturated, .
Wt. 15.6 - #/gal. Mixing complete in 30 min. Pressure: Max 1750 ;
Min. ; Avg. . Plug down M - . Pressure:
Max ; Min ; Avg. . Pressure to psi in
min. . Bled back ½ bbls.

SHELL OIL CO.
RM-62 (Rev. 8-72)

CASING AND CEMENTING

Field Bisti Well Carson Unit 34X-13

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
					10	KB	CHF
11	24	K-55	8 rd.	L	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 _____ ft^3 + excess over caliper _____ ft^3 + float collar to shoe volume _____ ft^3 + liner lap _____ ft^3 + cement above liner _____ ft^3 = _____ ft^3 (Total Volume).

Cement:
Preflush–Water 20 bbls, other _____ Volume _____ bbls
First stage, type and additives 225 sx Class A w/ 3% CaCl
_____. Weight _____ lbs/gal, yield _____ ft^3/sk, volume _____ sx. Pumpability _____ hours at _____ °F.
Second stage, type and additives _____
_____. Weight 15.9 lbs/gal, yield 1.18 ft^3/sk, volume _____ sx. Pumpability _____ hours at _____ °F.

Cementing Procedure:
~~Rotate~~/reciprocate Reciprocated up to bump plug.
Displacement rate _____
Percent returns during job _____
Bumped plug at 4 AM/~~PM~~ with 600 psi. Bled back ½ bbls. Hung csg with _____ lbs on slips.

Remarks:
Cement Circulated – good returns
float did not hold because we did not drop ball

Drilling Foreman Dick Fondren
Date 3-7-73