

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NMSF078464

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

CAIN

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

BASIN DAKOTA

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

S25, T31N, R13W

12. COUNTY OR PARISH 13. STATE

SAN JUAN

NM

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

SNYDER OIL CORPORATION

3. ADDRESS OF OPERATOR

P.O. BOX 2038, FARMINGTON, NEW MEXICO 87499

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

At surface

1095' FNL & 1075' FEL

14. PERMIT NO.

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

5829' GL 7' 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.)\*

See attached plugging and abandonment report for Snyder Oil Corporation's  
Cain 1 (DK).

RECEIVED  
AUG 5 1993

OIL CONSERVATION  
DIVISION

070 FARMINGTON, NM

30 AUG -2 PM 1:52

RECEIVED  
BLM

Approved as to plugging of the well bore.  
Liability under bond is retained until  
surface restoration is completed.

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

SIGNED

*Wayne J. Conner*

TITLE

District Engineer

DATE

7/30/93

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED

AUG 05 1993

DISTRICT MANAGER

\*See Instructions on Reverse Side  
NMOCD

July 22, 1993

Page 1 of 2

Snyder Oil Corporation

**Cain #1**

1095' FNL, 1075' FEL

Sec. 25, T31N, R13W

San Juan County, NM

SF 078464

### **PLUG AND ABANDONMENT REPORT**

#### **Cementing Summary:**

- Plug #1** from 6753' to 6613' with 27 sxs Class B cement, squeezed 21 sxs below cement retainer and spot 6 sxs on top.
- Plug #2** from 5840' to 5684' with 12 sxs of Class B cement.
- Plug #3** from 4176' to 4026' with 20 sxs of Class B cement.
- Plug #4** from 3767' to 3616' with 29 sxs of Class B cement.
- Plug #5** from 2174' to 1625' with 169 sxs Class B cement, squeeze 155 sxs below cement retainer and outside 4-1/2" casing from 2174' to 1625'; then spot 14 sxs above cement retainer to 1972' inside casing.
- Plug #6** from 1725' to 1574' with 29 sxs Class B cement inside casing.
- Plug #7** from 350' to surface with 174 sxs Class B cement, circulate 1 bbl good cement.

#### **Plugging Summary:**

- 7-19-93 Drive rig and equipment to location. Rig up and spot equipment; lay bleed line to pit and bleed well down. Pump 20 bbls down tubing to kill well. ND wellhead, NU BOP. POH and LD 211 joints of 1-1/2" tubing. PU 4-1/2" cement retainer and 2" tubing work string; RIH to 6608' and set. Pressure test tubing to 1000#; held OK. Shut well in and SDFN.

July 22, 1993

Page 2 of 2

Snyder Oil Corporation

**Cain #1**

1095' FNL, 1075' FEL

Sec. 25, T31N, R13W

San Juan County, NM

SF 078464

**Plugging Summary (cont'd):**

- 7-20-93      Safety meeting. With cement retainer at 6608', establish injection rate into Dakota perforations of 3 bpm at 200#. Plug #1 from 6753' to 6613' with 27 sxs Class B cement, squeezed 21 sxs below cement retainer and spot 6 sxs on top. POH to 6474' and load hole with 200 bbls. water. Pressure casing to 500#. Spot 12 bbls 8.4# 40 vis mud from 6474' to 5822'. POH to 5840'. Plug #2 from 5840' to 5684' with 12 sxs of Class B cement. POH to 5620'. Spot 23 bbls 8.4# 40 vis mud from 5620' to 4152'. POH to 4176'. Plug #3 from 4176' to 4026' with 20 sxs of Class B cement. POH to 3988'. Spot 10 bbls 8.4# 40 vis mud from 3988' to 3740'. POH to 3767'. Plug #4 from 3767' to 3616' with 29 sxs of Class B cement. POH and LD tubing to 3579'. Mix and spot 57 bbls 8.4# 40 vis mud from 3579' to 2174'. POH and LD tubing. Perforate 4 holes at 2174'. Establish injection rate at 1-1/2 bpm at 800#. PU 7" cement retainer, RIH to 2099' and set. Shut in well and SDFN.
- 7-21-93      Safety meeting. With cement retainer at 2099', establish injection rate into holes at 2174' of 1-1/2 bpm at 800#. Plug #5 from 2174' to 1625' with 169 sxs Class B cement, squeeze 155 sxs below cement retainer and outside 4-1/2" casing from 2174' to 1625'; then spot 14 sxs above cement retainer to 1972' inside casing. POH to 1972' and spot 10 bbls 8.4# 40 vis mud to 1725'. POH to 1725'. Plug #6 from 1725' to 1574' with 29 sxs Class B cement inside casing. POH to 1509'. Mix and spot 45 bbls 8.4# 40 vis mud from 1509' to 399'. POH and LD tubing. Perforate 2 holes at 399'. Unable to establish circulation to surface with 800#. Discussed with BLM and received approval for procedure change. Perforate 2 holes at 350'. Establish circulation to bradenhead valve. Plug #7 from 350' to surface with 174 sxs Class B cement, circulate 1 bbl good cement. Shut in well and WOC; ND BOP, cut off wellhead. Install dry hole marker with 20 sxs cement. Rig down and prepare to move off location. Ron Snow with BLM on location during operations.