

CONFIDENTIAL  
UNIT STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on  
reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.  
NM-61604

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  
MURPHY OPERATING CORPORATION

3. ADDRESS OF OPERATOR  
P. O. Drawer 2648, Roswell, New Mexico 88201

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

455' FNL & 2310' FEL, Sec. 20, T-18S, R-33E  
Unit Ltr. B

14. PERMIT NO.

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

3860' RKB - 2842' GR

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
SOUTH CORBIN FEDERAL

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT  
Undesignated

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA  
Sec. 20, T-18S, R-33E

12. COUNTY OR PARISH  
Lea

13. STATE  
New Mexico

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.)

6-28-86 Tried to load tbgs. w/45 bbls. 2% KCl water. Tbg. would not load. RU elev. & TIH w/rods to fish out standing valve. Reset standing valve, loaded tbg. w/43.3 bbls. 2% KCl water. Press. up on tbg. to 500# psi. Pumped 3000 gals. 7.5% MSRI00 plus ammonia chloride. Flushed w/113 bbls. 2% KCl water. Tbg. press. @ 1080# psi & csg. press. @ 1250# psi before acid got to perfs. After acid got to perfs., tbg. press. dropped to 490# psi & csg. press. dropped to 680# psi. Averaged @ about 2.4 BPM, average press. @ 1200# psi. ISIP @ 1350# on csg. & 1200# psi on tbg. Opened well immediately back to frac tank & flowed back 13.5 bbls. of fluid for a total of 276 bbls. left to rec. after acid clean up job. RU swab line, started swabbing & rec. a total of 176 bbls. of acid clean up water with a trace of oil and no gas. SDFN. 100 bbls. of clean up acid water left to rec. & have 404 bbls. frac water from frac job left to rec.

ACCEPTED FOR RECORD

*SWD*  
JUL 9 1986

CARLSBAD, NEW MEXICO

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

SIGNED Lois N. Brown  
Lois N. Brown

TITLE Production Clerk

DATE July 1, 1986

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

CONFIDENTIAL

Form 3160-5  
November 1983)  
Formerly 9-331)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
ROSEMBO, NEW MEXICO 88240

SUBMIT IN TRIPL  
(Other Instructions  
Reverse Side)

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

5. LEASE DESIGNATION AND SERIAL NO.

NM-61604

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

South Corbin Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

Sec. 20, T-18S, R-33E

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR  
MURPHY OPERATING CORPORATION

3. ADDRESS OF OPERATOR  
P. O. Drawer 2648, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface  
455' FNL & 2310' FEL (Unit Ltr. B)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3842' GR - 3860' KB

## 10. 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)

(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.)\*

6-16-86 Pump parted, well shut dn. Pump was stuck. RU PU. Tried to unseat pump & could not. Picked up back off tool, made back off on rods. TOH w/rods made back off on top of pump. RU tbg. elev. Pulled out 9 stands of tbg. Tbg. was full of fluid. RU swabb line. Swb. tbg. dry dn. to 4 stands from the pump. SDFN.

6-17-86 Tbg. press. zero psi. Fished out of hole w/tbg. SLM @ 7449.87'. Layed dn. tbg. anchor, perf. sub & mud jt. RU logging truck. TIH with perf. guns @ 7418'. Tied back collar 7294' and perf. as follows: 1 shot @ 7358', 7360', 7363', 7366', 1 J.S.P.F. Old perfs. @ 7337', 7338', 7339', 7344', 7346', 7347', 7349', 7355', 8 holes. Grand total = 12 holes. RD log truck. TIH w/pin point pkr. to 7373'. Broke dn. perfs. as follows:

7366' broke dn. @ 1900 psi, pump rate @ 1.6 BPM, pumped 2.3 bbls. acid in perf.  
7363' broke dn. @ 1700 psi, pump rate @ 1 BPM, pumped 4 bbls. acid in perf.  
7360' broke dn. @ 1700 psi, pump rate @ 1 BPM, pumped 4 bbls. acid in perf.  
7358' broke dn. @ 1700 psi, pump rate @ 1 BPM, pumped 4 bbls. acid in perf.  
7355' broke dn. @ 1100 psi, pump rate @ 1 BPM, pumped 1-1/2 bbls. acid in perf.  
7349' broke dn. @ 1100 psi, pump rate @ 1 BPM, pumped 1-1/2 bbls. acid in perf.

Broke dn. new perfs to 7349'. Pin point pkr. quit working. Pulled out of hole w/2 stands & SDFN.

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

CONTINUED ON PAGE 2

SIGNED

*Lois N. Brown*  
Lois N. Brown

TITLE Production Clerk

DATE June 23, 1986

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JUN 30 1986

\*See Instructions on Reverse Side  
CARLSBAD, NEW MEXICO

to send notification to make to any department or agency of the



MURPHY OPERATING CORPORATION  
UNITED BANK PLAZA, SUITE 300  
400 NORTH PENNSYLVANIA AVENUE  
POST OFFICE BOX 2648  
ROSWELL, NEW MEXICO 88202-2648

TELEPHONE  
505 623-7210

Form 3160-5 - Sundry Notices and Reports on Wells  
June 23, 1986  
Page 2

South Corbin Federal #1  
Federal Lease No. NM-61604  
Sec. 20, T-18S, R-33E,  
Lea County, New Mexico

6-18-86 SITP @ 0 psi. TIH w/2 stands. RU swabb line, TIH & fished top standing valve out of pin point pkr. Found paraffin on standing valve. Ordered out 250 gals. Xylene to add to 2000 gals. 15% NEFE acid. Flushed tbgs. w/2 bbls. acid & Xylene mixed. Dropped standing valve. Standing valve still would not hold. RU swabb line. TIH, fished standing valve, layed dn. standing valve. TIH & fished holding valve. TOH w/3 jts. 2-7/8" tbgs. & set pkr. @ 7283'. Completed acid job as follows: pumped 2000 gals. 15% NEFE, 250 gals. Xylene mixed w/acid. Dropped 30 ball sealers, well balled off. Flushed 43.3 bbls. 2% KCl water. Avg. press. @ 3558#, max. press. @ 6000#. Avg. rate @ 3.9 BPM. Max. rate @ 4.1 BPM. Total load to rec. 92 bbls. ISIP @ 2950#. In 5 min. it was @ 1450#. RU & swabb 125 bbls. fluid. Rec. all load. Unseated pkr. TOH w/70 stands 2-7/8" tbgs. & SDFN.

6-19-86 Finished out of hole with pin point pkr. Layed dn. same. TIH to 7059.50'. Nippled up WH & completed frac job as follows:

Stage 1: pumped pad 20,000 gals. cross-link 30# gel.  
Stage 2: 5000 gals. 1 lb. 20/40 sand.  
Stage 3: 5000 gals. 2 lbs. 20/40 sand.  
Stage 4: 5000 gals. 3 lbs. 20/40 sand.  
Stage 5: 5000 gals. 4 lbs. 20/40 sand.  
Stage 6: 5000 gals. 5 lbs. & 6 lbs. 20/40 sand.  
Stage 7: Sand screened off. SD job. Went to flush.

Flushed btm. of tbgs. w/107 bbls. 2% KCl gel 30# water. Waited 1 hr. Started flowing well back. Flowed well back on 12/64" choke. Rec. 145 bbls. frac water. Avg. rate @ 30 BPM; max. rate @ 31 BPM. Avg. press. @ 6000# psi; max. press @ 9000# psi.

REC-24-189  
FEB 29 1988  
OCCO  
HOBBS OFFICE

CONFIDENTIAL

Form 3160-5  
November 1983)  
Formerly 9-331)UNIT STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT IN TRIPLI  
(Other instructions  
verse side)Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NM-61604

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

South Corbin Federal

9. WELL NO.

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Sec. 20, T-18S, R-33E

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

1. OIL ☒ GAS ☐ OTHER ☐

2. NAME OF OPERATOR

MURPHY OPERATING CORPORATION

3. ADDRESS OF OPERATOR

P. O. Drawer 2648, Roswell, New Mexico 88201

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

455' FNL &amp; 2310' FEL, Section 20, T-18S, R-33E

14. PERMIT NO.

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

3842' G.R.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROMISED 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.)

4-19-86 RU csg. crew & ran 5-1/2" 17# csg.; TD 11,392'. Ran 5-1/2" 17# csg. as follows: 29 jts. S-95 17# LT&C - 1204.88'; 291 jts. N-80 17# LT&C - 10232.42' = 320 jts. total footage 11437.30'. Set @ 11,391' (1 ft. off btm.). Ran #1 btm. D.V. tool @ 10187.92'; Ran #2 top D.V. tool @ 7005.59'. Completed cmt. job in 3 stages. Ran 58 cent. spaced throughout well. Stage #1: 20 bbls. mud flush; 300 sx. Class "H" with 5/10 of 1% Halad-22A, 4/10 of 1% CFR-3 and 5 lbs. KCL per sx. Displaced w/30 bbls. 2% KCL water and 233 bbls. drlg. mud. Plug dn. @ 12:15 a.m. Opened D.V. tool w/1800 PSI, circ. 6 hrs. Stage #2: 20 bbls. mud flush, 650 sx. 50/50 POZ Mix "A" and Class "H" with 5/10 of 1% Halad-9 and 3/10 of 1% CFR-3 per sx. Displaced w/80 bbls. 2% KCL water and 157 bbls. drlg. mud. Plug dn. @ 7:45 a.m. Closed D.V. tool w/2000 PSI. D.V. tool holding. Dropped bomb open tool w/1700 PSI. Circ. 5 hrs. Stage #3: 20 bbls. mud flush, 1560 sx. 50/50 POZ Mix "A" and Class "H" with 5 lbs. salt and 3/10 of 1% CFR-3 per sx. Displaced w/163 bbls. 2% KCL water. Bumped D.V. tool @ 2:30 P.M. w/all float equipment holding. Set slips and jet pits. Rel. rig @ 8:30 P.M. 4-18-86. WOC and set anchors.

4-26-86 Started drilling @ 11,178' dn. to 11,356' as follows: Bottom Hole assembly @ 197.98'; 357 jts. + 20' (358 jts. in hole) 11,158'; New plug back depth 11,356'. Displaced hole with 245 bbls. 2% KCL water. TOH to log. Logged well throughout night. SD pulling unit. Logger's TD - 11,354'.

CONTINUED -

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

SIGNED

*Lois N. Brown*  
Lois N. Brown

TITLE

Production Clerk

DATE May 21, 1986

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

TITLE

DATE

MAY 27 1986

\*See Instructions on Reverse Side

CARLSBAD, NEW MEXICO

Section 1001 makes it a crime for any person knowingly and willfully to make to any department or agency of the