

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

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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER injection well   | 7. UNIT AGREEMENT NAME<br>Todd Lower San Andres Unit           |
| 2. NAME OF OPERATOR<br>MURPHY OPERATING CORPORATION  | 8. FARM OR LEASE NAME<br>Todd Lower S/A Unit Sec.25            |
| 3. ADDRESS OF OPERATOR<br>P. O. Box 2648, Roswell, New Mexico 88202-2648   | 9. WELL NO.<br>15  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br>330' FSL & 1650' FEL, Unit Ltr. O, Sec. 25, T-7S, R-35E | 10. FIELD AND POOL, OR WILDCAT<br>Todd Lower San Andres Assoc. |
| 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 25, T-7S, R-35E   | 12. COUNTY OR PARISH<br>Roosevelt                              |
| 13. STATE<br>New Mexico  |  |
| 14. PERMIT NO.   | 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>4154' G.L.   |

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.)\*

10-6-87 RU PU. TOH w/injection tbg. & pkr. Tried to unseat pkr. & could not. Turned to  
to tbg. to right several times only making tbg. tighter. Set tbg. at neutral  
10-25-87 weight & pulled up 20,000# over string wt. & measured stretch in tbg. @ 21",  
indicating tbg. stuck @ 3300'. Csg. may have collapsed or fill may be inside  
csg. TIH w/cmt. retainer as follows:

|                                 |          |
|---------------------------------|----------|
| Retainer                        | 1.70'    |
| Setting tool for retainer       | 2.22'    |
| 131 jts. 2-3/8" J-55 4.70# tbg. | 4168.40' |
| KBM                             | 5.00'    |
| Set cmt. retainer @             | 4177.32' |

Perfs @ 4213' - 4270', open hole from 4315' - 4345'. Old pkr. in hole w/10'  
cut off tbg. 4313' - 4323'. Squeeze job as follows:

200 sks. Class C w/2% CA CL Had some communication on back.  
Pumped last 2 bbls. & displacement over 1.25 hr. period of  
time. Sting out of retainer & tried to reverse out but could  
not. Pulled 7 stands & single. Reversed out w/24 bbls. fresh

CONTINUED ON PAGE 2

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

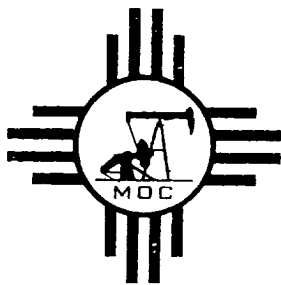
SIGNED Lois N. Brown TITLE Production Clerk DATE Nov. 23, 1987

(This space for Federal or State office use)

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

COPY

\*See Instructions on Reverse Side



MURPHY OPERATING CORPORATION

ROSWELL PETROLEUM BUILDING

ROSWELL, NEW MEXICO 88201

MAILING ADDRESS  
P. O. DRAWER 2648

TELEPHONE  
505 623-7210

SUNDRY NOTICES AND REPORTS ON WELLS

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NOVEMBER 23, 1987

Todd Lower San Andres Unit Sec. 25-15  
330' FSL & 1650' FEL, Unit Ltr. 0  
Sec. 25, T-7S, R-35E  
Roosevelt County, New Mexico

CONTINUED -

water. TOH & picked up pkr. w/tail jt. TIH, looking for hole  
in csg. @ 3087' - 3170'. Found hole @ 3170', TOH w/ pkr. &  
layed dn. same. TIH w/cmt. retainer, set cmt. retainer @ 3087'  
Pumped cmt. as follows:

225 sx. Class C w/2% CA CL.  
50 sx. Class C Neat

Displaced cmt. out of tbg. w/11 bbls. fresh water. Last 5 bbls. displacement,  
stage in every 15 min. Final press. @ 1200# psi. Sting out of retainer.  
Reverse fluid out of hole, TOH w/20 stands tbg. Let cmt. set. Finished out  
of hole w/retainer setting tool & layed dn. same. TIH w/4-3/4" bit & eight  
3-1/8" D.C. as follows:

|                                |                |
|--------------------------------|----------------|
| 4-3/4" bit                     | .50'           |
| Bit sub                        | .93'           |
| X over sub from D.C. - bit sub | 1.19'          |
| 8 3-1/8" D.C.                  | 235.25'        |
| X over sub from D.C. - tbg.    | 2.50'          |
| BHA                            | <u>240.37'</u> |

Found top cmt. retainer @ 3087'. Drilled it & 85' cmt. TIH to 3970'. Found  
top of cmt. & Drlg. dn. to cmt. retainer @ 4177'. Drlg. cmt. dn. to 4274'.  
Circ. hole 1.5 hrs. RU Halliburton. Displaced w/110 bbls. 2% KCL wtr. TOH  
& layed dn. bit & D.C. RU WL trk. Made 2 runs & perf as follows: 4213' -  
4241' 1 J.S.P.F. = 18 holes. TIH w/pkr. & spotted 2 bbls. acid across perfs.  
Set pkr. @ 4113' & loaded backside. Do acid job as follows:

5000 gals. 15% NEFE acid  
50 ball sealers  
flushed w/46 bbls. .05% KCL wtr.

Max. press. @ 2100# psi; Max. rate @ 4.0 BPM; Avg. pres. @ 1441# psi.;  
Avg. rate @ 2.5 BPM. ISIP 1000# psi, 5 min. @ 990# psi, 10 min. @  
980# psi. Shut well in w/980# psi. Well on vacuum. Hooked up WH & connected  
to injection line. Returned well to injection

RECEIVED

NOV 23 1987

CCD  
HOBBS OFFICE