

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
E-3499

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 TO DRILL" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL ☒ GAS WELL ☐ OTHER- Injection

7. Unit Agreement Name
NORTHEAST CAPROCK QUEEN UNIT

8. Farm or Lease Name
NORTHEAST CAPROCK QUEEN UNIT

9. Well No.
12

10. Field and Pool, or Wildcat
Caprock Queen

Name of Operator
MURPHY OPERATING CORPORATION

Address of Operator
P. O. Drawer 2648, Roswell, New Mexico 88201

Location of Well
UNIT LETTER P 660 FEET FROM THE South LINE AND 660 FEET FROM
THE East LINE, SECTION 15 TOWNSHIP 12 South RANGE 32 East NMFM.

15. Elevation (Show whether DF, RT, GR, etc.)
4350' D.F.

12. County
Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

REMEDIAL WORK ☒
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOB ☐
OTHER ☐

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

7-28-86 RU PU. Picked up 4-3/4" bit, six 3-1/2" D.C. SLM tbg. @ 2678.05'. RU power swivel. Drlg. dn. to 2949.68'. Tagged CIBP & drlg. same. Had 550# psi & well started flowing. Drlg. dn. to 3017'. RD power swivel. TOH w/7 stands tbg. SDFN.

7-29-86 Rel. press. off WH. TOH w/tbg. Picked up core bbl. 25'. TIH w/core bbl. to 3017'. Cored 3018'. Core bbl. quit coring. TOH w/same. Found core bit had been running on junk. Layed core bbl. dn. Picked up overshot, jars & bumper sub. TIH to 3018'. Could not workover fish. TOH w/same. SDFN.

7-30-86 Rel. press. on WH. Picked up 4-3/4" impression block. TIH to 3018'. Tagged up on btm. TOH w/impression block. Had no good indication of what junk was. Picked up one jt. of 4-3/8" workover pipe with a flat btm. cut rite shoe. TIH to 3018'. Started washing over fish. Made one foot & SDFN.

7-31-86 Bled dn. WH. Picked up 4 jts. tbg. Tagged btm. @ 3019'. Milling over junk with wash pipe. Made four foot of progress. Circ. & cleaned hole. TOH w/wash pipe. Recovered four big pieces of metal (parts of drlg. equipment) & 1-1/2 ft. of core. SDFWE.

CONTINUED ON PAGE 2

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Lois N. Brown
Lois N. Brown

TITLE Production Clerk

DATE August 12, 1986

Orig. Signed by
Paul Kautz
Geologist

TITLE

DATE AUG 18 1986



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 C-103 - Sundry Notices and Reports on Wells

Page 2
August 12, 1986

Northeast Caprock Queen Unit Well #12
State Lease No. E-3499
Unit Ltr. P, Sec. 15, T-12S, R-32E
Lea County, New Mexico

CONTINUED -

8-4-86 Rel. press on WH. RU loggers, ran Gamma Ray log 3014' back to 2900'.
decided to core (Ground Level). Picked up core bbl., TIH to 3009' G.L.
Tried to core but would not core. TOH & layed dn. core bbl. Diamond bit
torn up. TIH w/4-3/4" bit to 3010' G.L. & started drlg. as follows:

3010'	-	3011'	5 min.
3011'	-	3012'	5 min.
3012'	-	3013'	5 min.
3013'	-	3014'	7 min.
3014'	-	3015'	13 min.
3015'	-	3016'	10 min.
3016'	-	3017'	10 min.
3017'	-	3018'	10 min.
3018'	-	3019'	10 min.
3019'	-	3020'	8 min.
3020'	-	3021'	6 min.
3021'	-	3022'	5 min.
3022'	-	3023'	3 min.
3023'	-	3024'	4 min.
3024'	-	3025'	7 min.
3025'	-	3026'	10 min.
3026'	-	3027'	15 min.
3027'	-	3028'	9 min.
3028'	-	3029'	14 min.
3029'	-	3030'	10 min.
3030'	-	3031'	15 min.
3031'	-	3032'	15 min.
3032'	-	3033'	7 min.
3033'	-	3034'	10 min.
3034'	-	3035'	15 min.
3035'	-	3036'	15 min.

Note: Drlg. break from 3020' - 3025'. New TD @ 3036' G.L. Layed dn. power
swivel & started laying dn. 40 jts. 2-7/8" tbg. SDFN.

8-5-86 Finished laying dn. 2-7/8" 6.5# tbg. Layed dn. six 3-1/2" D.C. & 4-3/4" bit.
Tallied 2-3/8" tbg. & ran in hole as follows: (Note: 1st 10 jts. of 2-3/8"
tbg. is not plastic coated).

Baker AD-1 Tension Pkr.	1.43'
93 jts. 2-3/8" 4.70# tbg.	2850.45'
Pkr. set @ depth	- 2851.88'

Pulled 16 points tension in pkr. Pkr. rel. to right. RD PU.

NOTE: Core Lab called preliminary analysis: 1st core unknown depth (3008-09
used 4' & D) very fine grained tan sand stone. Max. perm. 0.01 porosity
8.4% Sat: Water 61.8, oil zero. 2nd core 3009-10 very fine grained red
sand slightly shaley. Max perm. 0.01/porosity 4.9%, Sat water 97.4, oil
zero. Conclusions of engineer Bert H. Murphy and consultation w/Fred Oliver:
Sand too poor quality & tight to yield significant information on Lower
Queen Formation.