

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 ☒ Water Injection Well
2. NAME OF OPERATOR Southland Royalty Company
3. ADDRESS OF OPERATOR 21 Desta Drive, Midland, Texas 79701
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
330' FSL & 330' FWL, Sec. 20, T-18-S, R-31-E
14. PERMIT NO.
15. ELEVATIONS (Show whether DF, RT, GR, etc.)
Unknown

Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.
LC-029387 (b)
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Shugart "D"
9. WELL NO.
10. FIELD AND POOL, OR WILDCAT
Shugart (Y,SR,Q,G)
11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
Sec. 20, T-18-S, R-31-E
12. COUNTY OR PARISH
Eddy
13. STATE
N.M.

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) Also perforate Queen pay ☒

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.)

1. Notify Minerals Mgmt Serv in Artesia prior to RU. Dig pit & flw well dwn. MI work string.
2. MIRUPU. Install BOP. Tag btm & POH w/tbg & pkr.
3. RIH w/RBP & set @ 2500' +. Spot snd on top. RIH & set cmt ret @ 2100' +. (Csg leak @ 2150' +). Establish pmp in rate & press. Determine cmt sqz volume.
4. Sqz csg leak w/100 + sx C1 "C" w/2% CaCl₂ to max of 800# +. POH.
5. RIH w/bit & DC's. Drl out ret & cmt. Press & swb test sqzd leak. Re-sqz if necessary.
6. Clean off snd on top of RBP. Release RBP & lower & set @ 3300' +. POH w/tbg.
7. Perf Queen @ 3160-3204' w/2 JSPF (total of 52 holes).
8. RIH w/pkr. Spot 100 + gals 7½% HCl w/NEFE, clay stabilizer & double inhibited from 3204-3104'.
9. PU & set pkr @ 3050' +. Bread dwn perfs by increasing & holding press in 500 psi increments.
10. Acdz perfs 3160-3204' w/3000 gals 7½% HCl w/NEFE & clay stabilizer @ 4 + BPM diverting w/78 BS distributed evenly throughout. Swb acid back.
11. Lower & set RBP @ 3850' +. Spot acid across Grayburg perfs 3739-56'. Set pkr @ 3700' +. Let acid soak 1 hr. Acdz w/500 gals 15% HCl w/NEFE @ 2 + BPM. Swb back.
12. PU & set RBP @ 3500' +. Spot acid across Penrose perfs 3406-56'. Set pkr @ 3300' +. Let acid soak 1 hr. Acdz w/750 gals 15% HCl w/NEFE @ 3 + BPM diverting w/50+ BS. Swb back load.

-----OVER-----

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

SIGNED

TITLE District Operations Engineer

(This space for Federal use only)
(Orig. Sgd.) PETER W. CHESTER
APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

Cathy Nokes
Dennis Sledge
G. Slaughter
1/26/83
Well File
B. Noland
Bill Dawson
Bill Chrane
Sandy Houston
Gayle Anderwald

JUN 28 1983

*See instructions on Reverse Side

13. POH w/pkr & RBP & LD work string.
14. RIH w/2 3/8" PCID tbg, pkr @ 3650' $\pm$, 2-Baker Tandem Tension pkrs @ 3300' $\pm$ & 3050' $\pm$ & Baker Model Bf downhole regulators @ 3680' $\pm$, 3330' $\pm$ & 3080' $\pm$.
15. Place on injection.