Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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 Form 9-331-C for such proposals.)

1. oil well [X] gas well [ ] other

2. NAME OF OPERATOR
Sun Exploration and Production Company

3. ADDRESS OF OPERATOR
P.O. Box 1861, Midland, Texas 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: Unit Ltr. "G", 1980' FNL &
AT TOP PROD. INTERVAL: 1980' FEL
AT TOTAL DEPTH: 7442

5. LEASE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Elliott B 17

9. WELL NO.
4

10. FIELD OR WILDCAT NAME
Drinkard

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 17, T-22-S, R-27-E

12. COUNTY OR PARISH
Lea

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF [ ]	[ ]
FRACTURE TREAT [ ]	[ ]
SHOOT OR ACIDIZE [ ]	[ ]
REPAIR WELL [ ]	[ ]
PULL OR ALTER CASING [ ]	[ ]
MULTIPLE COMPLETE [ ]	[ ]
CHANGE ZONES [ ]	[ ]
ABANDON* [ ]	[ ]
(other) Add Perf, Acidz, & Frac.	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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. MIRU workover rig. POH w/rods and pump. Install BOP.

2. Kill well, if necessary, w/minimum amt. 2% KCL. Release tbg. anchor-catcher and POH w/2-3/8" tbg. and anchor.

3. GIH w/2-7/8" WS open-ended. Halliburton spot 100 gals 10% MSA acid 6624-6512'. Use spot valve. Raise TS to 6400'. Fish spot valve, POH w/tbg.

4. Rig up acid job perforators. Perf (in acid) 6616-24' w/one (1) JSPF (9) (from Dresser Sidewall Neutron 2-28-74, which correlates to Dresser GR-Collar log as 6614-22'). Use 4" DML XX III gun w/90 deg. phasing. Gram charge - 22.7, .43 EH.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED _____ TITLE Accounting Assistant II DATE 1-13-83

APPROVED

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

FEB 2 1983

*See Instructions on Reverse Side

5. GIH w/2-7/8 WS and Baker RDG pkr. Set pkr @ 6550'. Swab to recover load and test. Report**, POH.

6. If oil or gas productive, continue w/Step 8. If wtr. productive:

   (1) RIH w/2-7/8" WS & RBP, set RBP @ 6610'+
   (2) Halliburton spot 100 gals 10% MSA acid 6587-6595'. POH w/WS.
   (3) GO perf 6587-6595' 1 JSPF (9) w/4" DML XXIII gun w/90 deg. phasing. Gram charge - 22.7, .43 EH.
   (4) RIH w/2-7/8" WS, RDG pkr & retrieving tool. Swab test**, report.
   (5) If oil or gas productive: POH w/tbg, pkr & RBP. Set CIBP on WL @ 6610', dump ½ sk cmt on top. Continue w/step 8 and delete perfs 6602-04'.
   (6) If water productive, continue w/step 7.

7. Move up hole to perf & test:
   (1) Retrieve RBP @ 6610'. PUH and set at 6570'. TEST RBP 2000#
   (2) Halliburton spot 100 gals 10% MSA acid 6525-6560'. POH w/WS.
   (3) GO perf 6528-6556' w/1 JSP2F. Use 4" DML Densi Jet XXIII gun w/90 deg. phasing. Gram charge - 22.7. Total holes - 15.
   (4) RIH w/2-7/8" WS, RDG pkr & retrieving tool, swab test**, report.
   (5) If oil or gas productive, POH w/tbg, pkr, & RBP. Set CIBP on WL @ 6580', dump ½ sk cmt on top. Continue w/step 9 and delete perfs 6564-70', 74-76.
   (6) If water productive, notify Midland office for further instructions.

   **NOTE: If further stimulation necessary, will call out acid procedure.

8. Rig up GO perforators. Perf 6528-56' w/one (1) JSP2F. Also perf 6564-70', 6574-76', 6587-95' and 6602-04' w/one (1) JSPF (37) from Dresser Sidewall Neutron 2-28-74, which correlates to Dresser GR-collar log as 6526-54', 6562-68', 6572-74', 6585-93', 6600-6602'). Use 4" DML XXIII gun w/90 deg. phasing. Gram charge - 22.7, .43 EH

9. RIH w/RDG pkr on 2-7/8" tbg. Spot 100 gals 15% NEFE acid over new perfs.

10. Pull RDG pkr to ± 6500'.

11. Set RDG pkr and attempt to load and pressure annulus to 500 psi.

12. Halliburton acdz w/remaining 3900 gals 15% NEFE acid. Attempt to ball-out using RCN ball sealers*. Pump at 4-5 BPM w/a WHTP of 4500 psi. Flush w/ treated 2% KCL wtr. (See note following).

*Number of ball sealers to use is 1.5 times the number of perforations.

13. Swab to recover load and test.

14. Halliburton rig up to treat new perfs (6528-6624') w/10,000 gals of 20% SGA-Hcl acid and 10,000 gals of Versagel-1300. Pump at 10 BPM w/a WHTP of 5,000 psi. Acdz as follows:

a) Pump 5,000 gals Versagel-1300.
B) Pump 5,000 gals 20% SGA-Hcl acid.
c) Drop block consisting of 150 lbs . benzoic acid flakes (TLC-80) and 300 lbs. GRS (TBA-110).
d) Pump 5,000 gals Versagel-1300.
e) Pump 5,000 gals 20% SGA-Hcl acid.
f) Flush w/treated 2% Kcl wtr containing 10 lbs WG-11 per 1,000 gals.

Additives/1,000 gals

15% NEFE acid: 2 gals Losurf-259
1 gal HAI-50
10 gal FE-1A
50 lbs FE-2

2% Kcl water: 1 gal Losurf-259
167 lbs KCL

Versagel-1300: 30 lbs WG-11
30 lbs Adomite Aqua
5 lbs K-34
5 lbs HYG-4
167 lbs KCL
1 gal Losurf-259
0.4 gal CL-11
1 lb. GBW-3

20% SGA-Hcl acid: 2 gal Losurf-259
20 gal SGA-1
1 gal HAI-50

NOTE: If communication to upper zone develops, the alternate procedure would be to reset RDG pkr at ± 6350; attempt to load and pressure annulus; acdz entire interval w/20,000 gals 20% SGA-Hcl acid and 20,000 gals Versagel-1300 using the MY-T-Acid Technique. The job would be pumped in four (4) stages at 10 BPM using the same diverting materials. Procedure would then continue at step 21.

15. Shut well in two hours to allow acid time to react.

16. Swab well and report

17. POH w/2-7/8" tbg. and RDG pkr.

18. RIH w/tbg, pkr and RBP. Set RBP at ± 6500. Test RBP to 1000 psi.

19. Set RDG pkr at ± 6350' and attempt to load and pressure annulus to 500 psi.

20. Halliburton treat old perfs (6378-6484') w/10,000 gals of 20% SGA-HCl acid and 10,000 gals of Versagel-1300. Pump at 10 BPM w/a WHTP of 5,000 psi. Acdz in two (2) stages as follows.

a) Pump 5,000 gals Versagel-1300.
b) Pump 5,000 gals 20% SGA-Hcl acid.
c) Drop block consisting of 150 lbs. benzoic acid flakes (TLC_80) and 300 lbs. GRS (TBA-110).
d) Pump 5,000 gals Versagel-1300.
e) Pump 5,000 gals 20% SGA-HCl acid.

f) Flush w/ treated 2% wtr cont inrin 10 lbs WG-11 per 1,000 gals.

*Additives are the same as in Step 14 for treating lwr perfs.

21. Shut well in two hours to allow acid time to react.

22. Swab well and report. 5

23. POH w/tbg, pkr, and RBP. 2

24. GIH w/2-3/8" tbg and Baker tbg anchor-catcher. Set anchor at 6220'. Rerun rods and pump. Seating nipple at 6541'. Tbg bottom at about 6569'. 5

25. Beam well and test at 10 SPM and 64" stroke length.

TOTAL 109