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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

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 —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☒ GAS WELL ☐ OTHER-

7. Unit Agreement Name

2. Name of Operator
Sun Oil Company

8. Farm or Lease Name
W. W. Weatherly

3. Address of Operator
P. O. Box 1861 Midland, Texas 79701

9. Well No.
2

4. Location of Well
UNIT LETTER J, 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 17 TOWNSHIP 21S RANGE 37E NMPM.

10. Field and Pool, or Wildcat
Drinkard

15. Elevation *(Show whether DF, RT, GR, etc.)*
3471 GR

12. County
Lea

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER Dual complete ☒		OTHER ☐	

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.

Attempt dual completion by perforating in the Penrose Skelly Grayburg. Work to begin 3/31/71 per attached procedure :

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

SIGNED R W Hughes TITLE Proration Clerk DATE April 1, 1971

APPROVED BY [signature] TITLE SUPERVISOR DISTRICT DATE APR 6 1971

CONDITIONS OF APPROVAL, IF ANY:

W. W. WEATHERLY No. 2

Penrose Skelly (Graybury) Pool
Lea County, New Mexico

PROGRAM PROCEDURE

1. MI - RU well service unit.

2. Kill Drinkard zone with 9.0#/gallon brine water.

3. Install BOP

4. Unlatch tubing anchor @ 6503' and POOH.

5. RU - Western and run gauge ring to 6560 (Drift ID 4.767" for 5 1/2" OD 17# casing) Run casing scraper if gauge ring will not run below 6560'.

6. Perforate with one hole at each of the following depths: 3694, 96, 98, 3700, 02, 04, 20, 22, 24, 26, 28, 30, 32, 42, 44, 47, 55, 57, 59, 61, 63 & 65. (Total 22 holes) Use Western M-1 select fire 4" OD gun, (.49" hole)

7. Run Baker full-bore packer & model "C" retrievable bridge plug on 2 3/8" OD tubing. Set bridge plug at 3900'. Set packer at approximately 3800' and pressure test BP to 3500 psi.

8. Pull up and spot 200 gallons Western DS-30 (15% HCL) acid across perfs.

9. Pull up and set packer @ 3600'. Test casing to 3500' psi. Let acid soak 30 minutes to 1 hour.

10. Acidize perforations w/2,000 gallons DS-30 (15% HCL) acid. Treat in multiple stages using ball seals to assure that all of the holes are open and treated. Use Western Company for treatment.

11. Swab tubing down and conduct short swab test to check fluid entry.

12. Unseat packer and lower past perforations to assure that all ball seals are free. Circulate hole with gelled brine water mixed as described in step 15 (volume to 3700' is 90 bbls.)

13. Pull tubing and packer.

14. R-U Western Company to frac:
Frac w/30,000 gallons gelled brine and 49,000# 20/40 sand. Gelled brine

W. W. Weatherly No. 2
Program Procedure

B) Pump 1000 gal. gelled water containing 500# 20/40 sand.
C) Pump 1000 gal. gelled water containing 1000# 20/40 sand.
D) Pump 1000 gal. gelled water containing 1500# 20/40 sand.
E) Pump 6000 gal. gelled water containing 12,000# 20/40 sand, drop 6 RCN ball sealers.
F) Pump 9000 gal. gelled water containing 16,000# 20/40 sand, drop 6 RCN ball sealers.
G) Pump 9000 gal. gelled water containing 18,000# 20/40 sand.
H) Flush with 100 barrels slick water.

15. Shut in for 2-3 hours or until pressure drops to zero.

16. Run Baker FB packer and retrieving head.

17. Set packer and swab test perforations 4 - 6 hours to clean up and stabilize frac sand.

18. Kill well, unseat packer and reverse circulate sand off BP @ 3900'.

19. Unseat BP and POOH.

20. Run Baker Model "N" Mechanical Set Retainer Packer (Remove flapper valve before running) w/Model "D" Anchor Type Roto-Set Seal Assembly (two 14" seal assemblies containing 20 seals), seating nipple above seal assembly, 2860' of 2 1/16 OD tubing, Baker Model "D" parallel anchor and ≈ 3690' of 2 1/16 OD tubing.

21. Set Baker Model "N" Packer @ 6550.

22. Unlatch Model "D" anchor seal assembly and circulate 60 barrels water followed by 70 barrels 9.5# brine water treated with 15 gallons Tretolite KW-12 followed by 19 barrels fresh water.

23. Seat back into Model "N" Packer and set tubing in tension, 6000# over the weight of the tubing.

24. Run the 2 1/16" OD short string w/J-latch and seating nipple and seat into Model "D" paralleled string anchor, set in tension, 6000# over the weight of the tubing.

25. Install surface equipment.

26. Swab both zones in for evaluation.