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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-

2. Name of Operator  
Maralo, Inc.

3. Address of Operator  
P. O. Box 832, Midland, Texas 79702 0832

4. Location of Well  
UNIT LETTER K 1650 FEET FROM THE South LINE AND 2310 FEET FROM THE West LINE, SECTION 25 TOWNSHIP 25-S RANGE 36-E N.M.P.M.

5. Elevation (Show whether DF, RT, GR, etc.)

6. 12. County  
Lea

7. Unit Agreement Name

8. Farm or Lease Name  
Humphreys

9. Well No.  
2

10. Field and Pool, or Wellcat  
Jalmar-Tansill Yates-S.R.

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ REMEDIAL WORK ☒ ALTERING CASING ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

PULL OR ALTER CASING ☐ OTHER ☐ CASING TEST AND CEMENT JOB ☐ OTHER ☒ Plug Back

7. 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.

5-6-86 RUPU - Remove equipment. Ran CBL/GR 3163-2700' and CET/GR 3254-2282.  
Formation Tops: Rustler 1033  
Salt 1242  
Yates 2937  
Seven Rivers 3175

5-11-86 PU 5 1/2" RTTS pkr & RIH on 83 jts 2 3/8" tbg. & set @ 2453'. Tried to load 5 1/2" csg; would not load. Released pkr. POH to 500', reset pkr. Pumped 60 BW down 5 1/2" csg. Strong blow on 10 3/4" csg. but no fluid to surface. POH. LD pkr & SD.

5-13-86 PU retrieveable BP & RTTS pkr. RIN on 84 jts 2 3/8" tbg & set BP @ 2469'. Set pkr. @ 2464'. Tested BP to 1500 psi, ok. POH. Reset pkr @ 1275', had bad leak in csg between 1275 and 2464'. RIH w/pkr and reset @ 1871', had small leak. RIH & reset pkr @ 2168', had small leak. RIH & reset pkr @ 2464' - still had small leak. (Pkr leaking). Dropped down and picked up RBP. POH w/84 jts. tbg, SN, pkr, retrieveable BP. LD same. RIH w/5 1/2" Howco easy drill retainer on 83 jts. 2 3/8" tbg. to 2454'. SDFN

5-14-86 SET cmt retainer @ 2454' on 83 jts 2 3/8" tbg. Squeezed w/100 sx Class "C" cement w/3# gilsonite/sx + 2% CaCl2 & 100 sx Class C cmt. w/2% CaCl2. Squeezed @ 950 psi. Pulled out of retainer, left 63' cmt. on top of retainer. POH. WOC 3 hrs. PU & RIH w/retrievable BP & RTTS pkr. Set BP & pkr in four different places from 1870-2262' to find leak in 5 1/2" csg. Had small leak each time. POH & LD retrievable BP & RTTS pkr. PU R-4 pkr, RIH. Set pkr & tested 5 1/2" csg. four times 1391' - 1864', still had small leak each time. Had bad leak @ 2158'.

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

CONTINUED ON ATTACHED

DATE 5-19-87

TITLE Agent

DATE MAY 21 1987

MOVED BY Paul Kautz Geologist

EDITIONS OF APPROVAL, IF ANY:

Humphreys #2

Subsequent report of plug back and remedial work....continued

2187 & 2276'. Dropped standing valve. Pressured tbg, but would not hold. Tagged TD @ 2281'.  
POH. SDFN  
5-15-86 PU pkr & RIN on 2 3/8" tbg. to 2276'. Tested tbg to 6000 psi above slips GIH. Found 1  
pin hole in tbg., 1 collar leak & busted 2 jts tbg. Set pkr @ 2276'. Tested to 1000 psi, ok.  
Tested 5 1/2" csg, set pkr from 2276' back up to 770', csg. ok. Found leak in 5 1/2" csg  
between 525' - 770'. POH. LD pkr. RIH w/ 4 5/8" bit on 6-3 1/2" DC's, 20 jts 2 3/8" tbg. SDFN  
5-16-86 Finish RIH w/ 5/8" bit & 6-3 1/2" DC's on 71 jts 2 3/8" tbg to top of fill @ 2275'.  
Drld and circ'd hole clean to BP @ 2454'. Drld out BP & good cement to 2533', 258' total.  
Circ'd hole clean. SDFN  
5-17-86 Drilled good cmt. from 2533-2842'. Circ'd hole clean. Did not feel bad place in csg.  
5-18-86 Drld. good cmt from 2842-3165'. Circ'd hole clean. Left 10' of cmt on top of BP. Drld  
323'. Drld total of 890' cmt. LD swivel. POH w/tbg & LD DC's & bit.  
5-20-86 RU Schlumberger. Ran Comp. Neutron Log. RIH w/3 3/8" perf gun.  
5-21-86 Shot 30 holes in 3 runs, perf'd w/1 JSPF @ 2947', 2952', 2960', 2964', 2968', 2971',  
2980', 2990', 2994', 2996', 2998', 3000', 3005', 3010', 3039', 3044', 3051', 3059', 3083',  
3085', 3094', 3112', 3115', 3125', 3131', 3138', 3140', 3142', 3144', 3153' (30 holes).  
RU Halliburton. Loaded tbg w/15% MCA triple inhibited acid, set across each perf and acidized  
25 glas acid at each perforation. Pumped in W 1600 psi. POH to 2367', pumped wtr down 5 1/2"  
csg to clear all acid. Set pkr on 97 jts. Pressured to 300 psi, ok.  
5-23-86 Loaded and pressed 5 1/2" csg to 200 psi, ok. Started treatment. Pumped 6,500 gals  
40# gelled 2% KCL pad, 1,500 gals 40# gelled wtr. w/1# 20/40 sand/gal. Pumped 1000 gals gelled  
wtr., dropped 10 ball sealers. 200 psi increase in press w/balls on formation. Pumped 1,500  
gals gelled 2% KCL w/2# 20/40 sand. Pumped 1000 gals gelled 2% KCL, dropped 10 ball sealers.  
Had 400 psi increase w/balls on formation. Pumped 1500 gal gelled 2% KCL w/3# 20/40 sand. Flushed  
to btm perf w/2% KCL. ISDP 1100 psi, 5 min 960 psi, 10 min 920 psi, 15 min 910 psi. Formation  
broke @ 2800 psi. Max press 3600 psi, avg injection rate 14 BPM @ 3400 psi.  
5-24-86 Well SI 19 hrs for gel to break.  
5-30-86 o/llo PBID. well pumping 0 BO = 20 BW FDrU.  
6-24-86 In 24 hrs. pumped 3 BO + 12 BW + 34 MCF. Operation to fracture treat Yates perforations  
complete.