N. M. O. C. C. COPY

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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.)

RECEIVED
MAY 19 1976
O. C. C.
ARTESIA, OFFICE

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: MARALO, INC.

3. ADDRESS OF OPERATOR: P. O. Box 832, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface: 1980' FNL & 660' FWL, Section 12, T-15-S, R-28-E

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Butler Springs Unit

8. FARM OR LEASE NAME: Butler Springs Unit

9. WELL NO.: 2

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 12, T-15-S, R-28-E

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 3681.9 GR

12. COUNTY OR PARISH: Chaves

13. STATE: New Mexico

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other) Plug Back			☒	(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.) *

We propose to abandon the Morrow zone and plug back and recomplete in the Grayburg zone. The proposed procedure for this plug back is attached.

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U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED [signature] TITLE Production Clerk DATE 5/14/76

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
MAY 18 1976
R. L. BEEKMAN
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

PROPOSED PROCEDURE

1. Rig up well service unit (NOTE: Wt. of csg. expected to be recovered is 146,200#, in air -- well service unit should have a capacity in excess of 200,000#). Kill well and install BOP's -- pull tbg. and packer.

2. Run cast iron bridge plug on wireline and set @ 9200± (Plug #1).

3. Dump 20', 2 sx. class H cement on top of BP @ 9200' using wire line dump bailer.

4. Run csg. free point -- make csg. cut @ indicated point. Pull and recover csg. -- maximum of 8580' to recover if csg. is not stuck above top cmt.

ASSUMING CSG. CUT IS MADE AT 8550':

5. Run tbg. 50' below cut-off point -- circulate hole to equalize and stabilize mud @ 9.6 PPG minimum.

6. Spot the following cement plugs:
   Plug #3, 35 sx. class H @ 8500' (103' plug) T/plug @ 8497';
   Plug #4, 40 sx. class H @ 7000' (102' plug) T/plug @ 6898';
   Plug #5, 45 sx. class H @ 5500' (113' plug) T/plug @ 5387';
   Plug #6, 40 sx. class H @ 3500' (107' plug) T/plug @ 3393';
   Plug #7, 55 sx. class H w/5% salt @ 2250' (151' plug) T/plug @ 2099'.

   After spotting plug #7 @ 2250', pick up to 2120' and reverse out excess cement; this will leave a minimum of 57' of plug above the 8-5/8" OD csg. shoe @ 2177'. Pull tbg. out of hole.

   W.O.C. after spotting plug #7, a minimum of 12 hours.

7. Rig up Dresser-Atlas -- run GR-CCL correlation log from PBTD (approx. 2120') to 1750'. Correlate log to Schlumberger Compensated Neutron Formation Density log run on 1-9-76.

8. Run tbg. w/8-5/8" csg. packer (Baker Lok-Set) -- spot 250 gals. perforating acid from 2095' to 2000'. Prior to spotting acid, displace hole w/10.0 PPG brine treated w/1% by volume of Champion #2264 inhibitor and pH adjusted to 10.5+. Pick up and set packer @ 1970±. Tbg. is to be run open ended w/seating nipple. Install well head.

9. Rig up Dresser-Atlas; perforate 2075' to 2095' w/2 holes per foot using a thru tbg. gun.

10. If pressure does not develop at the surface after perforating -- displace acid into perforations to insure they are open.

11. Flow well to pit to clean up.

12. Test well - secure gas and water samples for analysis as soon after clean-up as possible. Testing is to be done through rental test equipment.

13. Take required tests and shut in to wait on gas sales connection.