

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

## 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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. NM-17238
2. NAME OF OPERATOR Grace Petroleum Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---
3. ADDRESS OF OPERATOR P. O. Drawer 2358, Midland, Texas 79702		7. UNIT AGREEMENT NAME Smith Ranch Unit
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		8. FARM OR LEASE NAME Smith Ranch Federal
14. PERMIT NO. Letter dated 6-12-80		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3571' GR		10. FIELD AND POOL, OR WILDCAT Undesignated
U. S. GEOLOGICAL SURVEY HOBBS, NEW MEXICO		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11, T-20-S, R-33-E
		12. COUNTY OR PARISH Lea
		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

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other) Inter. csg., DSTs, Prod. csg

(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.)\*

- 6-6-80 SD to log @ 5062'. Ran GR-Density Neutron, DLL, Acoustic & Cyberlook logs.
- 6-7-80 Ran 115 jts 8 5/8", 32#, 28#, & 24#, S80, STC csg. Set csg @ 5062' w/DV tool @ 3302'. Cmt'd 1st stage as follows: 775 sx 50:50 "C" Lite-Poz III containing 4% D-20 Gel, 10 lbs/sk D-42 Coalite, 12 lbs/sk salt, 1/4 lb/sk D-29 Celloflake followed by 200 sx Class "C" Neat. PD @ 12:00 PM MDT 6-6-80. Opened DV tool. Circ'd thru DV tool. Rec. 100 sx cmt to surf from 1st stage. Cmt'g operations witnessed by USGS Representative.
- 6-8-80 Cmt'd 2nd stage as follows: 1900 sx 50:50 "C" Lite-Poz III containing 4% D-20 Gel, 5 lbs/sk D-42 Coalite, 5 lbs/sk salt, 1/4 lb/sk D-29 Celloflake, 2% S-1 CaCl<sub>2</sub> followed by 100 sx Class "C" Neat. PD @ 9:00 AM MDT 6-7-80. Circ'd 250 sx to surf from 2nd stage. Cmt'g operations witnessed by USGS representative. WOC 39 hrs. Raised BOP & set slips on 8 5/8" csg. Cut-off 8 5/8" csg. Removed Hydril & BOP. Installed csg packing & tested same to 2000 psig. Held OK.
- 6-9-80 Tested BOP stack & choke manifold. TIH to DV tool. Tested pipe rams to 2000 psig for 30". Held OK. Drld. DV. TIH to 4565' & tagged cmt. Drld cmt to FC. Tested csg to 2000 psig for 30". Held OK.

(con't on add'l page)

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

SIGNED

TITLE District Production Manager DATE 8-5-80

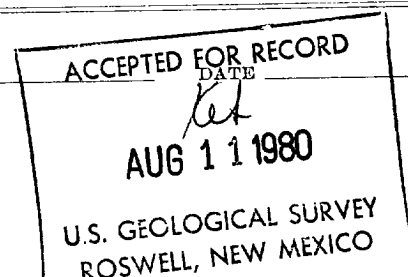
(This space for Federal or State office use)

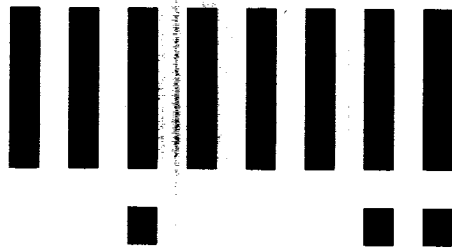
APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side





**LTR**



**Job separation sheet**

USGS Sundry Notice  
Form 9-331  
SMITH RANCH FEDERAL #1  
8-5-80

6-14-80 SD @ 6401' to run DST #1. RIH w/test tools. DST No. 1 6285' to 6345' (Delaware Sand). Opened tools for 15" pre-flo w/very wk. blo & then died. SI 60". Opened tools for 60" IFP- no blo. SI 60". POH w/tools. Rec 5' of drlg fluid. Sample chamber rec: 1750 cc of drlg fluid @ 14 psig. IHP 2979 psig; 15" pre-flo 29 psig; 60" ISIP 2965 psig; 60" IFP 29 psig - no change; 60" FSIP 1646 psig; FHP 2979 psig; 140° F BHT.

6-24-80 SD @ 9435' to run DST #2. RIH w/test tools & took DST No. 2 9290' to 9419' (Bone Springs). Opened tools for 15" pre-flo w/good blo. SI 60". Opened tools for 60" flow period. NO GTS. SI 120". POH w/tools. Rec. 1200' of gas in DP, 432' of O&GC wtr. (35% Oil - 38° Gravity @ 80° F), & 1500' of O&GC wtr blanket. Sample Chamber rec.: 4.25 Ft.<sup>3</sup> Gas @ 690 psig w/900 cc of oil & 450 cc of frm. wtr w/85,000 ppm chlorides - R<sub>w</sub> 0.04. IHP 4886 psig; 15" Pre-flo 354 psig to 803 psig; 60" ISIP 3987 psig; 60" IFP 479 psig to 903 psig; 120" FSIP 3987 psig; FHP 4886 psig; 140° F BHT.

7-29-80 Dropped TOTCO & POH to log. Ran GR-CNL-Density log. Logger's depth: 13,604'.

7-30-80 Ran D-LL log & GR-Sonic log.

8-1-80 Reached TD 13,650'.

8-2-80 Ran a total of 340 jts of 5½" 17#, S95, LTC csg. Set @ 13,650' w/marker jt. @ 12,902' & stage tool @ 9594'. Cmt'd 1st stage as follows: 810 sx cmt containing 0.7 gals/sk D-108, 0.5% D-65, 0.2% D-13, & 10/10 Self-stress Additive. Pmp'd cmt w/1200 psig PP & bumped plug w/1400 psig PP @ 3:00 PM 8-1-80. Opened stage tool & cmt'd 2nd stage as follows: 125 sx cmt containing same additives as 1st stage slurry. Pmp'd cmt w/400 psig PP & bumped plug w/1600 psig PP @ 5:45 PM 8-1-80. WOC. Raised BOP stack, set slips & cut-off 5½" csg. Removed Rotating Hd, Hydril, & BOP's.