

- 6-19-78 10" ok. Perf'd Morrow Sand from 13730' to 13740' w/1 SPF (11 holes
(con't) total) using 4" csg gun. GIH w/DST tools.
- 6-20-78 Set pkr @ 13680'. Opened tool @ 9:00 a.m. w/weak blow. Pressure in-
creased to approx 8 PSIG. Closed tool @ 9:35 a.m. Opened tool @ 11:07
a.m. for 2nd flow period w/very weak blow. Left tool open for 3 hrs.
Closed in tool @ 2:09 p.m.
DST No. 2 Morrow Sand Perfs (13730' to 13740'):
IHMP 7362 PSIG; IFP (35") 46.8 & 46.8 PSIG; ISIP (92") 1988 PSIG; FFP
(180") 32.8 & 32.8 PSIG; FSIP (1080") 4713 PSIG; FHMP 7270 PSIG
No recovery in sample chamber. Rec 20' of saturated brine wtr w/2%
KCL in tbq.
- 6-23-78 RIH w/RTTS pkr & tail pipe. Spotted 150 gals 10% Morrowflo Acid across
perfs from 13730' to 13740'. Set RTTS pkr @ 13539'. Broke down for-
mation @ 5000 PSIG. Displaced 150 gals of acid @ 5.5 BPM w/6800 PSIG.
Opened by-pass valve. Displaced tbq volume w/Nitrogen. Closed by-pass
valve & started 2000 gals Morrowflo Acid job @ 1:10 p.m. Started pmp'g
@ 5 BPM w/6000 PSIG. Rate decreased to 2.5 BPM w/pressure increasing
to 8800 PSIG. Pumped 1000 gals of acid w/rate increasing to 4.75 BPM
w/8200 PSIG & dropped 5 ball sealers. Pumped an additional 500 gals
@ 5 BPM w/7800 PSIG & dropped 5 ball sealers. Started 2% KCL Flush
@ 1:22 p.m. w/slight ball action (200 PSIG). Flushed acid @ 7 BPM w/
8200 PSIG. ISIP 4500 PSIG.
- 6-24-78 Well SI for Surface Pressure Build-up.
- 6-26-78 38 hrs SITP 600 PSIG w/250 PSIG SICP. Opened well on 24/64" ck. Rec.
dry gas - no liquids. Bled to -0- in approx. 1 hr.
- 6-27-78 14 hrs SITP 300 PSIG. Bled off to -0-. WIH w/swab & found FL 8000'
FS. Swb'd fluid for analysis (indicated to be acid water). Loaded
tbq w/10.0 PPG BW containing 2% KCL. Unseated RTTS pkr & POH LD same.
- 6-28-78 Set WL CIBP @ 13720' capped w/1 sk cmt. Per'f 5½" csg across the fol-
lowing Morrow Sand intervals using a select-fire 4" csg gun: 13688' -
693' (6 holes), 13644' - 649' (6 holes), 13593' - 598' (6 holes),
13546' - 550' (5 holes). Total 23 holes. Set RTTS pkr @ 13475' w/
tail pipe @ 13508'.
- 7-3-78 Unseated & POH w/RTTS pkr. RIH & set Otis Perma-trieve pkr w/expend-
able plug @ 13202'.
- 7-4-78 Tested tbq in hole to 9000 PSIG.
- 7-5-78 Ran latch-in seal assembly, 1 jt of tbq & N-Nipple (2.2025" ID) over-
shot & tbq seal divider on 2 7/8" tbq. Spaced out & removed BOP.
Installed & tested tbq head. Tested annulus to 1500 PSIG ok. RIH w/
1 9/16" tbq perf'g gun & perf'd 5½" csg from 13314' to 13318' (5 holes)

7-5-78 in Upper Morrow Sand.
(con't)

7-7-78 Installed Isolation Tool. Tested lines to 9000 PSIG. Acidized Morrow
perfs from 13314' to 13693' w/3150 gals of 10% Morrowflo acid flushed
w/treated 2% KCL wtr. Acid & flush contained 100 SCF/bbl N₂. Acidized
in 7 stages separated w/7 ball sealers per stage (42 ball sealers total)
@ 9000 PSIG Max, 8600 PSIG Min w/3.4 BPM A.I.R. ISIP 7000 PSIG w/5" SIP
of 6600 PSIG. Flow tested well.

7-8-78 Well SI pending installation of sales line.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)Form approved
Budget Bureau No. 42 R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-14791

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

New Mexico Federal "A" F.A.

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

So. Salt Lake Morrow Gas

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 4, T-21-S, R-32-E

12. COUNTY OR PARISH 13. STATE

Lea

N. M.

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 ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR

Cleary Petroleum Corporation

3. ADDRESS OF OPERATOR

P. O. Drawer 2358, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1980' FNL & 1980' FEL

14. PERMIT NO.

Letter dated 11-21-77

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

3673' GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐Production String ☒
(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.)*

6-2-78 Dold 7 7/8" hole to 14,047' TD.

6-3-78 Ran GR-Acoustic Velocity Neutron Log from 14,044' to 5200'. Ran Forxo-Guard Log from 14,050' to 12,000'.

6-4-78 Ran 343 jts (14,054') 5 1/2", 17# & 20#, S95, N80, & S0095, LTC & BTC, R-3 csg w/Shoe set @ 14,047', FC @ 13,963' & Centralizers installed on the 1st, 3rd, 5th, 7th, 9th, 17th, 18th, & 19th jts. Cmt'd down 5 1/2" csg w/ 150 sx Howco Lite containing 0.6% Halad-22, 5 lbs/sk Gilsonite, & 1 lb/sk Flocele followed by 525 sx Class 'H' containing 0.8% Halad-22, 0.4% CFR-2, 3 lbs/sk KCL & 1 lb/sk Flocele. Displaced plug w/315 bbls 2% KCL wtr. Plug down @ 2:15 AM 6-5-78. Plug bumped @ 3200 PSIG. Had complete returns throughout cmt job.

6-9-78 Ran GR-N-CCL Log from 13,928' to 11,000'; Ran GR-Micro-Seismogram Log from 13,922' to 10,300'.

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

SIGNED

TITLE District Production Mgr.

DATE 6-15-78

(This space for Federal or State Office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

*See Instructions on Reverse Side

