

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. Oil ☒ Gas ☐ other ☐

2. NAME OF OPERATOR
Mobil Producing TX. & N.M. Inc.

3. ADDRESS OF OPERATOR Nine Greenway Plaza,
Suite 2700, Houston, Texas 77046

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FNL & 660' FEL Sec. 24, T18S, R33E
AT TOP PROD. INTERVAL: same as surface
AT TOTAL DEPTH: same as surface

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) *Plug Back

SUBSEQUENT REPORT OF:

☐
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5. LEASE

USA (NM-04591)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal T

9. WELL NO.

1

10. FIELD OR WILDCAT NAME

EK Yates 7-Rivers Queen

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

Sec. 24, T18S, R33E

12. COUNTY OR PARISH 13. STATE

Lea NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

3958 GR, 3963 RKB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

Formerly E-K Queen Unit #6-1

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.)*

04/24/84 Heated wellhead, removed slip cap, drlg out cmt lining down 6', tbg bad in slip area, RIH w/1992' tbg spear + 1-13/16x12' bar + x-over to 2-3/8 tbg, PU on tbg, pulled slips attempted to rel Guib shorty tension 4275' for 5 hrs, pkr would go down hole but wouldn't come up, worked pkr down hole to 4295, BBF Wireline Service made outside back off @ 4266, job compl @ 8:30 pm, POH w/spear + 1 jt 2-3/8 tbg, NU BOP.

04/25/84 POH w/138 jts (cmt & PL) tbg 4268'TOF @ 4278.

04/26/84 RIH w/ 4-11/16 OS w/ 3-1/16 gpl w/mill control guide + BS jars + 4 - 3-1/2 DC + 1 jt 2-3/8 tbg.

SEE REVERSE

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Paula A. Calan TITLE Authorized Agent DATE 06/20/84

ACCEPTED FOR RECORD

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE _____ DATE _____

CONDITIONS OF APPROVAL OF UNIT

Castro

NEW MEXICO

*See Instructions on Reverse Side

#17. Continued from front.

- 04/27/84 Fin RIH w/OS on 2-3/8 tbg to TOF @ 4290, latched onto fish, jarred pkr loose in 1-1/2 hrs, POH w/2-3/8 tbg & OS, rec 1 jt 2-3/8 tbg, pkr & FG TP, BBF WL Serv RIH w/ GR & JB to 4300, ran HOWCO 5-1/2 cmt ret on wireline, set ret @ 4275, job compl @ 11 AM, RIH w/HOWCO cmt ret stinger on 2-3/8 tbg to 4275, test tbg to 3500 psi/held ok, HOWCO est inj rate into Queen perfs 4336-4355 - OHZ 4357-4393 - 2 BPM @ 2000 psi, HOWCO sqz Queen perfs 4336-4355 - OHZ 4357-4393 down 2-3/8 tbg w/25x Class C Neat cmt, sqz press 2000 psi, pulled out of ret, dumped 5x cmt on top of ret, TOC = 4225, POH w/2-3/8 tbg & HOWCO ret stinger, BBF WL Serv perf 5-1/2 csg w/4 sqz holes @ 3730, RIH w/HOWCO 5-1/2 cmt ret on wireline, set ret 3700, job compl @ 7:30 PM.
- 04/28/84 RIH w/HOWCO cmt ret stinger on 2-3/8 tbg to ret @ 3700, stung into ret, test tbg to 4000 psi, press annl to 1000 psi, HOWCO est inj rate down 2-3/8 tbg thru blk sqz holes @ 3730 (4 holes) 2 BPM @ 3300 psi, HOWCO sqz thru sqz holes w/2000x Class C Neat, sqz press 2700 psi, pulled out ret, dumped 5x on top of cmt ret @ 3700, TOC = 3650, POH w/ 2-3/8 tbg & cmt ret stinger, job compl @ 1:30 PM, WOC.
- 04/29/84 Addl 2 hrs WOC, total 19-1/2 hrs, BBF WL Serv ran Temp Srv, TOC @ 3590 (Zone to perf 3535-3575), job compl @ 9 AM.
- 04/30/84 BBF WL Serv perf 5-1/2 csg w/2 sqz holes @ 3528, job compl @ 1:30 PM RIH w/HOWCO 5-1/2 cmt ret on 109 jts 2-3/8 tbg, pmpd thru ret, set cmt ret @ 3412, tested 2-3/8 tbg to 4000 psi/held ok, press 5-1/2 annl to 1000 psi/held ok, HOWCO est PI rate into blk sqz @ 3528 - 3 BPM @ 2200 psi, HOWCO cmt blk sqz perf @ 3528 down 2-3/8 tbg w/100x Class C Neat, final sqz press 1550 psi, pulled out of ret to 3520, rev out 3x cmt, job compl @ 8 PM, POH w/2-3/8 tbg.
- 05/01/84 WIH w/ 4-3/4 Walker McDonald bit, 4 - 3-1/2 cols on 2-3/8 tbg, tag top cmt @ 3408, drl hard cmt 3408 to cmt ret 3412, drl cmt ret 3412-3415, drl soft cmt 3415-3425, circ hole clean, pull up clear.
- 05/02/84 Drill hard cmt 3425-3548, DO stringers 3548-3569, fell thru, circ hole clean, press 5-1/2 csg to 1000 psi/15 min/held ok, POH w/2-3/8 tbg & bit, RIH w/ 4-3/4 bit + 5-1/2 CS on 2-3/8 tbg to 3650, retest 5-1/2 csg to 1000 psi/held ok, displ 5-1/2 csg w/120 bbls 2% KCl fr wtr, pulled bit to 3580.
- 05/03/84 HOWCO spot 200 gal 15% DINE Fe HCl acid from 3580-3380, POH w/ 2-3/8 tbg & bit, FFB WL Serv ran CLL from 3656-3000 (corr to Wellex Radioactive log dated 6/28/66) BBF perf 5-1/2 csg in the Yates form w/1JSPF @ 3535-3545, 3557-3575 (total 30 holes), job compl @ 12:30 PM, RIH w/ HOWCO 5-1/2 RTTS pkr on 2-3/8 tbg to 3481, rev 3 bbls up tbg, set pkr @ 3481, press annl to 500 psi, HOWCO pmpd 200 gal spot acid away down 2-3/8 tbg, TTP 1000-2800, Avg TP 2500 psi, AIR 1.8 BPM, SIDP 2100, 5 min 2000, 15 min 1950, job compl @ 2 PM, SI well 1 hr, TP 1900 psi, bled off press, rec 4 BLW, Sw 19 BLW/1 hr, sw dry, made 1 run/hr for 3 hrs, fluid entry 125'/hr, sw 1/2 FBLH, SO 100% wtr.
- 05/04/84 HOWCO press annulus to 1000 psi/ok, HOWCO acidized perfs 3535-3575 w/4500 gals 15% NEA Fe foam 70 Quality w/N2 + 30 RCNBS, job compl @ 6:30 PM.
- 05/05-07/84 Swab well.
- 05/08/84 HOWCO sd wtr frac perfs 3535-3575 w/40,000 gals gelled 2% KCl fr wtr + 35,500# 20/40sd + 15,500# 10/20 sd, job compl @ 2 PM.
- 05/09-13/84 Swab well.
- 05/14/84 WIH w/ 2-3/8 x 28' OPMA, end of MA @ 3640, 2-3/8" x 4 perf tbg sub @ 3612-3608, SN @ 3607, 116 jts 2-3/8 tbg, ND BOP, inst tbg hanger & wellhead.
- 05/15/84 Ran 1"x6' GA, 1-3/4x1-1/2x20 pump, 100 - 3/4, 43 - 7/8 rods, 1 = 8'x7/8 rod sub, 7/8x1-1/4x18' PR, 1-1/4x1-1/2x12 liner, HO well, chk pump action, rel well to Prod @ 5 PM.
- 05/16-06/07/84 Testing well.
Shut well in 06/07/84.
Preparing P&A package.

RECEIVED

JUN 29 1984

C. C. C.
HOES & GRACE