

INMOCC COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLI
(Other Instructions
verse side)3-
re-Form approved,
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC048491 (b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Saunders B

9. WELL NO.

#3

10. FIELD AND POOL, OR WILDCAT

Red Lake Queen

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

Sec. 13, T-17S, R-27E

12. COUNTY OR PARISH 13. STATE

Eddy

New Mexico

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

LATCH OPERATIONS

3. ADDRESS OF OPERATOR

Suite 507 Texas Commerce Bank Bldg. - Lubbock, Texas 79401

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

1000' FNL 990' FEL

14. PERMIT NO.

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

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) Test Well

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*

(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.)*

See Attached detail:

RECEIVED

APR 4 1979

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED

TITLE

Agent

DATE

4-3-79

(This space for Federal or State office use)

APPROVED BY (Orig. Sgd.) ALBERT R. STALL

TITLE

ACTING DISTRICT ENGINEER

DATE

APR 10 1979

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

I. Present Condition

A. Pipe and hole data

1. 8-5/8
 - a. set at 401 with open shoe on bottom
 - b. cemented with 150 sacks
 - c. cement circulated
2. 7"
 - a. set 726
 - b. no cement, all formations, waters, and hydrocarbons through Seven Rivers are effectively shut off
3. Open hole (six inch tools) to a T.D. of 1419

B. Stratigraphy of pays

1. Yates pay
 - a. Top at 448
 - b. Best pay sand from 448 to 456
 - c. Sand grades to sandy lime
 - d. Picking up much water at 480
 - e. Shut off behind 7"
2. Queen Pay
 - a. 1188 to 1200 - gray fractured shale - redish brown sandy shale with good porosity
 - b. 1200 - 1250 white sandy shale, tighter, increase in gas as drilled through

C. Accessment of situation

1. Condition of hole is presently stable.
2. Queen gas is shut in with 330 PSI casing pressure with natural completion.
3. Natural completion is better than many frac wells in the area at present.
4. Testing is needed to determine potential
5. 4½" casing needs to be set above or below Queen pay.
6. Pipe above Queen pay.
 - a. Well seems good now
 - b. If delivery drops to quickly-no way to control a frac in the future.
7. Pipe below Queen pay.
 - a. No barrier between 1188 to 1200 formation and 1200 to 1250 formation.
 - b. Frac would go to 1188 to 1200 pay
 - c. Potential for 1200 to 1250 pay lost.

II. Testing Proposal

- A. Temporary HP plastic line to join Phillips Petroleum gathering system ½ mile due south.
- B. Establish producing rate for 90-day period.
- C. Plot a natural rate of decline and reserve estimates.

III. Completion

- A. Run $4\frac{1}{2}$ " pipe above or below Queen Pay as situation dicates.
- B. Recover 7"
- C. Circulate cement on $4\frac{1}{2}$ "
- D. Leave natural completion or frac as $4\frac{1}{2}$ " pipe setting determines.