NM OIL CONS COMMISSION
Drawer DD
Artesia, NM 88210

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.: NM-9194

6. If Indian, Allottee or Tribe Name:

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation:

APR 22 1994

1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.: Sacahuiste KE Federal #1

2. Name of Operator: YATES PETROLEUM CORPORATION (505) 748-1471

9. API Well No.: 30-015-22857

3. Address and Telephone No.: 105 South 4th St., Artesia, NM 88210

10. Field and Pool, or Exploratory Area: Undesignated

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 660' FSL & 1980' FEL of Section 34-T22S-R23E (Unit O, SWSE)

11. County or Parish, State: Eddy Co., NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other Plug back to test Yeso/Glorieta	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)*

Please see the attached procedure for plugging back to test the Yeso/Glorieta formations. Verbal permission was obtained by Brian Collins, engineer with Yates Petroleum Corporation, from Mr. Adam Salameh with the BLM in Carlsbad on March 24, 1994.

NOTE: Notify BLM 24 hours in advance of plugging back (887-6544).

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

Signed Rusty Klein Title Production Clerk Date March 31, 1994

(This space for Federal or State office use)

Approved by /s/ Signed by Shannon J. Shaw Title PETROLEUM ENGINEER Date 4/20/94

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

SACAHUISTE KE FED. 1
O-34-22S-23E
PLUG BACK PROCEDURE
TEST YESO/GLORIETA
3/29/94

GENERAL: PLUGGING BACK PORTION OF PROCEDURE DISCUSSED WITH AND VERBAL APPROVAL OBTAINED FROM MR. ADAM SALAMEH, BLM CARLSBAD, ON MARCH 24, 1994. GIVE BLM 24 HRS. ADVANCE NOTICE OF PLUGGING (887-6544 JIM AMOS).

PROCEDURE:

1. RIH and circulate casing from 8300' to 3300' full of 9 ppg BW containing 25 ppb salt gel (115 bbls.). Pull RBP at 8360' and TOOH with tubing and tools.

2. RU lubricator. Set CIBP + 35' Class "H" cement at:

   a) 8825' Atoka
   b) 8275' Strawn
   c) 6770' Wolfcamp

3. Shoot 4 90 deg. phasing perfs at 3400' and at 2900'. Set retainer at 3300', pump 50 sx. Class "C" neat cement, flush cement to retainer and TOOH. (Bone Spring).

4. Set retainer at 2850', open 8-5/8" x 5-1/2" annulus, pump 150 sx. Class "C" cement containing 10 lb/sk Gilsonite followed by 100-125 sx. Class "C" cement containing 10 lb/sk Gilsonite and 2% CaCl2, flush cement to retainer and TOOH.

   a) Cement Properties: Class "C", 10 pps Gilsonite
   14.22 ppg, 1.49 cfps, 3+ hrs. pump time
   Class "C", 10 pps Gilsonite, 2% CaCl2
   14.22 ppg, 1.49 cfps, 2 hrs. pump time

   b) Cement volume calcuated from caliper + 35% excess to bring cement from 2900-2000'.

   c) Have service company run thickening time tests on slurry with 2% CaCl2. Estimated BHT is 85-95 deg. F.

5. WOC overnight then TIH with 4.75" bit. Clean out to top of retainer. Depending on what is encountered on bit run, decision will be made to run a CBL from retainer to TOC and/or to continue with remedial cementing operations. Procedure will be issued as/if necessary for cementing operations.

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6. Spot 2 bbls. double inhibited NE Fe 20% HCl at 2625', pressure casing to 500 psi if possible and perforate Yeso 2629-32' as follows:

a) 2629', 2630', 2631', 2632' (8)
b) 4" casing gun, 2 spf, 90 deg. phasing, deepest penetrating charges.
c) Correlate to CBL.

7. Swab test Yeso 2629-2632' until notified to do otherwise.

8. If decision made to acidize, acidize Yeso 2629-32' with 500 gals. NE Fe 20% HCl inhibited for 8 hrs. at 95 deg. F as follows:

a) Pump at 1 bpm.
b) Drop 4 1.1 SG ballsealers every 6 bbls. acid pumped (8).

9. Swab test Yeso 2629-32' until notified to do otherwise.

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10. Spot 2 bbls. double inhibited NE Fe 20% HCl at 2595', pressure casing to 500 psi if possible and perforate Yeso 2601-04' as follows:

a) 2601', 2602', 2603', 2604' (8)
b) 4" casing gun, 2 spf, 90 deg. phasing, deepest penetrating charges.
c) Correlate to CBL.

11. Swab test Yeso 2601-04' until notified to do otherwise.

12. If decision made to acidize, acidize Yeso 2601-04' with 500 gals. NE Fe 20% HCl inhibited for 8 hrs. at 95 deg. F as follows:

a) Pump at 1 bpm.
b) Drop 4 1.1 SG ballsealers every 6 bbls. acid pumped (8).

13. Swab test Yeso 2601-04' until notified to do otherwise.

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14. Spot 2 bbls. double inhibited NE Fe 20% HCl at 2495', pressure casing to 500 psi if possible and perforate Yeso 2501-04' as follows:

a) 2501', 2502', 2503', 2504' (8)
b) 4" casing gun, 2 spf, 90 deg. phasing, deepest penetrating charges.
c) Correlate to CBL.

15. Acidize Yeso 2501-04' with 1000 gals. NE Fe 20% HCl inhibited for 8 hrs. at 95 deg. F as follows:

a) Pump at 2 bpm.
b) Drop 4 1.1 SG ballsealers every 12 bbls. acid pumped (8).

16. Swab test Yeso 2501-04' until notified to do otherwise.

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17. Spot 2 bbls. double inhibited NE Fe 20% HCl at 2385', pressure casing to 500 psi if possible and perforate Yeso 2342-90' as follows:

a) 2342', 2351', 2353', 2359', 2362', 2368', 2373', 2377', 2384', 2390' (20)
b) 4" casing gun, 2 spf, 90 deg. phasing, deepest penetrating charges.
c) Correlate to CBL.

18. Acidize Yeso 2342-90' with 2000 gals. NE Fe 15% HCl inhibited for 8 hrs. at 95 deg. F as follows:

a) Pump at 2 bpm.
b) Drop 10 1.1 SG ballsealers every 12 bbls. acid pumped (40).

19. Swab test Yeso until notified to do otherwise.

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