

CLSF

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210

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

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. NMLC028990B
2. Name of Operator YATES PETROLEUM CORPORATION (505) 748-1471	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 105 South 4th St., Artesia, NM 88210	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660' FNL & 2310' FWL (NENW, Unit C) of Section 25-T18S-R30E	8. Well Name and No. Creek AL #3
	9. API Well No. 30-015-20234
	10. Field and Pool, or Exploratory Area Shugart Yates Seven Rivers
	11. County or Parish, State Queen Eddy Co., NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Convert well to a producing well</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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 attached procedure for converting well to a producing well.

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

Signed Rusty Kleen Title Production Clerk Date Oct. 15, 1993
(This space for Federal or State office use)
Approved by (ORIG. SGD.) JOE G. LARA Title PETROLEUM ENGINEER Date 11/29/93
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

Creek AL #3
C 25-18S-30E
660' FNL & 2310' FWL

30-015.20234
NMLC 028990 B

Prognosis

Yates Petroleum Corporation is converting the Creek AL #3 to a producing well as part of the Creek AL Federal Shugart Waterflood Project as per the NMOCD Order No. R-9896.

The Creek AL #3 has 5-1/2" 14# casing set @ 3426'. The well will be deepened from 3426' to 3726' to include the Middle Grayburg zone.

YPC proposes to:

1. Squeeze Penrose perforations (3302-3376).
2. Drill out cement and clean out hole to 3426'.
3. Deepen 4-3/4" hole to 3726'. (NOTE - Wells may need to be air drilled. See attached SPE article and information on Grayburg deepenings.)
4. Run CNL/GR, Slimhole LDT w/Pe, Phasor Induction/GR logs in 4-3/4" open hole.
5. Underream 4-3/4" hole to 6-3/4" hole from 3426' to 3726' using Smith International Minidome Bear Cub PDC cutter underreamer.
NOTE Neil Bracksieck - Smith International (see attached information concerning case histories of Grayburg underreamed work)
6. Run caliper after underreaming the well.
7. Run 4-1/2" 11.6# J-55 flush joint liner. (Baker Tool - attached)
Cement to 100' above top of liner with Microbond Cement as per the attached recommendation.
Recommend reciprocating pipe while cementing.
Set top of liner @ +3200'.
8. Drill out cement and clean hole to 3726'.
9. Test top of liner.
If the liner does not test, squeeze top of liner with micro-matrix cement.
10. Run CBL from bottom of liner to top of cement in 5-1/2" string.

Prepare to perforate, acidize and frac Middle Grayburg

11. Procedure to perforate and stimulate Middle Grayburg zone will be submitted after evaluating logs.

Prepare to perforate, acidize and frac Penrose.

12. Set RBP @ +3410'.
13. TIH w/3-3/8" casing guns with deepest penetration.
Perforate Penrose with 7 - 0.40" holes as follows.
- 3307, 3321, 3322, 3324
3370, 3372, 3373
14. Run 3200' 2-7/8" tubing and 210' 2-3/8" tubing.
Spot 2 bbls 15 % HCl.
Set packer @ +3350'.
Acidize perfs (3370-3373) w/1200 gal 15 % HCl and 10 ball sealers
@ 3-5 BPM down 2-7/8" tubing.
- NOTE: 15 % HCl should contain per 1000 gallons:
- 1 gal I-17A corrosion inhibitor
 - 2 gal NINE-40 surfactant
 - 2 gal LT-32 penetrating surfactant
 - 5 gal citric acid liquid, iron control
15. Set RBP @ +3350'. Spot 2 bbl 15 % HCl.
Set packer @ +3270'.
Acidize perfs (3307-3324) w/1500 gal 15 % HCl and 10 ball sealers
@ 3-5 BPM down 2-7/8" tubing.
16. Set RBP @ +3410'. Set packer @ +3270'.
Swab back load and test.

Creek AL #3
WF Producer Workover
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17. Run a before frac evaluation log.
(Cardinal base temperature and gamma ray log)
Pump and tag the Penrose frac.
Perfs (3307-3373) as per attached schedule.
18. After frac, within 30 sec after flush, flow back the well 1/4 - 1/2 BPM
for 5 minutes.
19. Run an after frac evaluation log.
1-hr temperature and gamma ray log
3-hr temperature log
20. POH with RBP @ +3410'.
21. RIH with 2-3/8" tubing string. Put on pump.

T. Sloan/CRAL3SU.DOC