

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
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

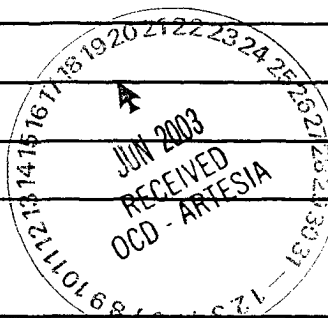
SUBMIT IN TRIPLICATE

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

2. Name of Operator
Fasken Oil and Ranch, Ltd.

3. Address and Telephone No.
303 W. Wall, Suite 1800, Midland, TX 79701 (915) 687-1777

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2080' FSL, 750' FWL Section 1, T21S, R25E



5. Lease Designation and Serial No.
NMLC 070409

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Avalon Federal No. 2

9. API Well No.
30-015-29730

10. Field and Pool, or Exploratory Area
Catclaw Draw; Delaware, East

11. County or Parish, State
Eddy

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
- ☐ Subsequent Report
- ☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
- ☐ Recompletion
- ☒ Plugging Back
- ☐ Casing Repair
- ☐ Altering Casing
- ☐ Other
- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-Off
- ☐ Conversion to Injection
- ☐ 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.)

Fasken Oil and Ranch, Ltd. is proposing to plug back this well to the Catclaw Draw; Delaware, East Pool. Please see the attached procedures for details.

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

Signed Alexis C. Swoboda

Title Regulatory Affairs Coordinator

Date 6/12/2003

(This space for Federal or State office use)

Approved by (ORIG. SGD.) ALEXIS C. SWOBODA

Title PETROLEUM ENGINEER

Date JUN 16 2003

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

**Fasken Oil and Ranch, Ltd.
Avalon Federal No. 2
2080' FSL & 750' FWL
Sec 1, T21S R25E
Workover Procedure
AFE 698**

OBJECTIVE:	Recomplete to Delaware
WELL DATA:	
13-3/8" 48# H-40 casing:	Set at 473', cement circ.
9-5/8" 36# J-55 casing:	Set at 2003' cement circ.
5-1/2" 17# N-80 casing:	Set at 10,593' DV 7276', TOC 720'. Short Jt 7.73' @ 9698'.
Packer:	None
Tubing:	109 jts (3519.89') 2-3/8" EUE 8rd N-80, with TOSSD with 1.875" frac hardened profile nipple and wireline entry guide.
Perfs:	Bone Spring 3590'-3620' 1jspf 60° phased 31 holes. Atoka: 9731'-9737' 4 jsfp 0 deg ph; Morrow: 10,406'-10413' Total 35 holes (13 0.23" 45 deg ph + 22 0.35" 0 deg ph)
KB:	13'
TD:	10,600'
PBTD:	3540' CIBP; 25 sack cmt plug 5147'-5400'; 25 sack cmt plug 7317'-7570'; 9,665' CIBP @ 9,700' w/35' "H", 10,340' CIBP @ 10,375' w/35' "H" cmt, 10,545' FC

1. RUPU. ND Wellhead. NU BOP.
2. POW w/2-3/8" 4.7#/ft EUE 8rd N-80 tubing, TOSSD and wireline entry guide.
3. RIW w/SN and 2-3/8" 4.7#/ft EUE 8rd N-80 tubing and tag CIBP @ 3540', pull up one foot. RU BJ Services, spot 25 sx class "C" neat cement plug 3540'-3287'.
4. Pull tubing laying down about 12 joints to 3142' (on depth with CIBP tag). Spot 250 gal 7-1/2% NEFE HCL acid 3142'-2886'. Acid to contain 5 gpt Ferrotrol 300-L, 6 gpt Ferrotrol 270, 2 gpt Ferrotrol 271, 1 gpt CI-27, 1/2 gpt Claymaster 5C, 1 gpt NE 940, 2 gpt LT-21.
5. POW w/tubing and SN.
6. RU wireline with 3000 psi lubricator. Perforate Delaware 3138'-3142' 2jspf 60° phased 0.42" entry (8 holes) and 2978'-2984' 2 jsfp 60° phased 0.42" entry (12 holes), total 20 holes, with 4" casing gun by Schlumberger Platform Express Three Detector Litho-Density Compensated Neutron/GR log dated December 4, 1999. RD wireline company.
7. Displace spot acid via casing.
8. RIW w/wireline entry guide, 5-1/2"x2-3/8" Arrowset I 10K packer, SN and 2-3/8" 4.7#/ft EUE 8rd N-80 tubing. Set packer at +/-2925' in 12,000 lbs compression.
9. Set test tank, swab and evaluate.
10. RU BJ Services. Fill annulus with 3% KCL water. Trap 2000 psi on annulus. Treat perfs 2978'-3142' with 1000 gal 7-1/2% NEFE HCL acid containing 6 gpt Ferrotrol 270, 2 gpt Ferrotrol 271, 2 gpt NE 940, 1 gpt CI-27, 1 gpt Claymaster 5C at 4-5 bpm, dropping 47 7/8" 1.3 sg RCN ball sealers evenly spaced. Max pressure 2500 psi.

11. Swab acid and load water and evaluate whether to fracture stimulate. (Note: If no oil cut is present proceed to the Appendix if this procedure for P&A).
12. If fracture stimulation necessary, kill well with 15 bbls 3% kcl water. Release packer at +/- 2925'. POW with 2-3/8" tubing, SN and packer.
13. ND BOP and NU wellhead.
14. Set two clean, lined frac tanks; fill with 390 bbl fresh water each, total 780 bbl fresh water.
15. RU BJ Services. Install 5-1/2" 3000 psi frac valve. Frac perms 2978'-3142' via 5-1/2" casing with 28,000 gal Medallion 3000 xlink fluid + 45,000 lb 16/30 White sand + 15,000 lb Super LC 16/30 sand flushing with 3000 gal 30# linear gel KCL water as follows (BJ Proposal No. 180653972A):
 - A. 10000 gal Medallion 3000 pad @ 40 bpm
 - B. 5000 gal Medallion 3000 @ 40 bpm w/ 2 ppg White 16/30 sand
 - C. 5000 gal Medallion 3000 @ 40 bpm w/ 4 ppg White 16/30 sand
 - D. 2500 gal Medallion 3000 @ 40 bpm w/ 6 ppg White 16/30 sand
 - E. 2500 gal Medallion 3000 @ 40 bpm w/ 6 ppg Super LC 16/30 resin coat sand
 - F. 3000 gal Flush w/30# linear gel KCL water

Max allowed surface pressure 2500 psi. Calculated max surface pressure 1524 psi.

16. Flow back to test tank until dead or stabilized.
17. Kill well with 40 bbls brine water, ND frac valve and wellhead, NU BOP.
18. RIW w/SN, 2-3/8"x4' perf sub and 2-3/8" 8rd EUE N-80 tubing landing SN at +/-3175' (about 1 jt below bottom perf).
19. ND BOP. NU X-mas tree.
20. Swab to evaluate.
21. If the well will flow, RDPU and connect to battery and sales.
22. If well will not flow, swab to evaluate whether to place on artificial lift equipment.
23. ND X-mas tree, install tubing hanger and pumping tee.
24. RIW w/ insert pump and 76-rod string.
25. Hang well on and check pump action.
26. RDPU.
27. Install surface production equipment.
28. Put well on pump.
29. If the well is non-commercial proceed to the Appendix of this procedure to P&A.

Appendix:

P&A if the Delaware 2978'-3142' is non-commercial.

- A. RUPU. POW laying down rods and pump (if pumping).
- B. ND wellhead. Install BOP. Release TAC (or packer). POW with tubing and tools.
- C. RU wireline. RU 3000 psi lubricator. RIW and set 5-1/2" CIBP @ 2950'. Dump 35' Class "C" cement on CIBP. RD wireline company
- D. RIW with SN, 2-3/8" 4.7#/ft 8rd EUE N-80 tubing to 2915'.
- E. Circulate well with 75 bbls of 10 ppg gel laden mud.
- F. Pull tubing laying down to +/-2050', spot 10 sx class "C" neat cement plug 2050'-1950'. TAG plug 2050'-1950'.
- G. Pull tubing laying down to +/-450', spot 10 sx class "C" neat cement plug 525'-425'. TAG plug 525'-425'.
- H. POW to 60' laying down tubing, spot 6 sx class "C" neat cement surface plug. NMOCD also requires cement to be placed behind the 5-1/2" casing at least to 60' below surface. Perforating the casing is not required; either 1" tubing or perhaps a bull head squeeze.
- I. Cut off casing 3' below ground level.
- J. Weld on steel plate with 1" valve.
- K. Install P&A marker.
- L. Level and clear location.

This P&A procedure discussed with Van Barton of NMOCD (505) 748-1283 May 27, 2003. Mr. Barton stated the BLM will have the final say in the plugging requirements. A sundry notice of intent to plug to the BLM will be required before proceeding with this P&A. NMOCD Van Barton 11-4-02 approved plugging up to 5147'.