

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 of Section 1, T21S, R25E **UT L**

5. Lease Designation and Serial No.

NM LC 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
Wildcat

11. County or Parish, State

Eddy County, NM

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. proposes to recomplete the Avalon Federal No. 2 into a Wildcat pool in the Bone Spring formation. Please see the attached procedure for complete details.

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

Signed *Alexis C. Swoboda*

Title Regulatory Affairs Coordinator

Date 11/5/2002

(This space for Federal or State office use)

(ORIG. SGD.) ALEXIS C. SWOBODA

PETROLEUM ENGINEER

Approved by

Conditions of approval, if any:

Title

Date

NOV 07 2002

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 626

OBJECTIVE:	Recomplete to Bone Spring
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'. Marker Joint 7.73' @ 9698'.
Packer:	5-1/2"x2-3/8" Arrowset 1X 10K Set at 9650' w/TOSSDw/1.781' frac hardened "F" profile
Tubing:	299 jts 2-3/8" EUE 8rd N-80 Set at 9650'
Perfs:	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:	10,340': 10,375' CIBP w/35' Class "H" cmt, 10,545' FC

1. RUPU. Kill well with 40 bbls 3% KCL water containing packer fluid and 0.5 gpt ClayMaster 5C. Set test tank.
2. ND Wellhead. NU BOP.
3. Release packer and POW w/2-3/8" 4.7#/ft EUE 8rd N-80 tubing, TOSSD and 5-1/2" Arrowset packer.
4. RU wireline company. RU 3000 psi lubricator. Run 5-1/2" 17#/ft CIBP on wireline and set at 9,700'. Dump 35' Class "H" cement on CIBP for PBTD 9,665'. RD wireline company.
5. RIW w/ SN and 2-3/8" 8rd EUE N-80 tubing to PBTD 9665'.
6. Circulate well with 3% KCL water spotting 225 bbl 10 ppg gel laden mud.
7. Pull tubing laying down to +/-7570', spot 25 sx class "C" neat cement plug 7570'-7317' (per NMOCD Van Barton 11-4-02)).
8. Pull tubing laying down to +/-5400', spot 25 sx class "C" neat cement plug 5400'-5147'.
9. Pull tubing laying down to 3605'. Circulate well with 80 bbls 3% KCL water containing 0.5 gpt ClayMaster 5C. Test casing to 2000 psi. Spot 250 gal 15% NEFE HCL acid 3605'-3349'. POW w/tubing and SN.
10. RU wireline with 3000 psi lubricator. Perforate Bone Spring Dolomite at 3590'-3620' with 1 spf, total 1 holes 60 deg phased with 4" casing gun by Schlumberger Platform Express Three Detector Litho-Density Compensated Neutron/GR log dated December 4, 1999. RD wireline company.
11. Displace spot acid via casing.

12. RIW w/5-1/2"x2-3/8" Arrowset I 10K packer with wireline re-entry guide, TOSSD w/1.781" "F" profile and 2-3/8" 4.7#/ft EUE 8rd N-80 tubing. Set packer at +/-3550'.
13. Swab and evaluate.
14. If additional stimulation necessary, RU BJ Services. Install tree saver. Trap 2000 psi on annulus. Treat perfs 3590'-3620' with 3000 gal NEFE 15% HCL acid dropping 60 1.3 sp. gr. RCNBS evenly spaced. Flush with 3% KCL water. Max pressure 1300 psi (0.8 psi/ft estimated frac gradient). BJ Additives are:
 - 0.5 gal/M Clay Master-5C
 - 2 gal/M FAW-18w, surfactant
 - 2 gal/M NE-13, Non-emulsifier
 - 1 gal/M CI-27, organic inhibitor
 - 6 gal/M Ferrotrol-270L
 - 2 gal/M Ferrotrol-271LFlush with 3% KCL water containing and NE-13 surfactant.
15. Swab acid and load water and evaluate whether to install pump equipment.
16. Release packer and POW w/2-3/8" tubing and packer.
17. RIW w/SN, 2-3/8"x4' perf sub, 10 jts 2-3/8" 8rd EUE N-80 tubing, 5-1/2" TAC, and 2-3/8" 8rd EUE N-80 tubing landing SN at +/-3650' (below bottom perf).
18. ND BOP, install tubing hanger and pumping tee.
19. RIW w/ insert pump and 76-rod string.
20. Hang well on and check pump action.
21. RDPU.
22. Put well on pump.

cwb
11-4-02
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