

NMOCD

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)

Surface: 2762' FSL, 2075' FEL Bottom Hole: 615' FSL, 684' FWL Sec. 1; T21S, R26E

5. Lease Designation and Serial No.

NM 13624

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Avalon "1" Federal No. 3

9. API Well No.

30-015-31199

10. Field and Pool, or Exploratory Area  
Foster Draw Delaware

11. County or Parish, State

Eddy, 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 convert to SWD  
☐ 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 convert the Avalon "1" Federal No. 3 to salt water disposal. An application to convert this well is being filed with the New Mexico Oil Conservation Division. A copy of this application is attached. Please see the attached procedure for specific details of the work.

SUBJECT TO  
LIKE APPROVAL  
BY STATE

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

Signed Alexis C. Swoboda

(This space for Federal or State office use)

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

Conditions of approval, if any:

Regulatory Affairs Coordinator

Date 6/29/2004

PETROLEUM ENGINEER

Date JUL 06 2004

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

**Convert to Disposal Well  
Avalon "1" Federal No. 3  
Surf: 2762' FSL and 2075' FEL  
BHL: 615' FSL, 684' FWL  
Sec 1, T21S R26E  
AFE 815**

<b>OBJECTIVE:</b>	Convert to disposal well
<b>WELL DATA:</b>	
13-3/8" 54.5# casing:	Set at 767', Cmt w/200sx"Thix set"+405sxLite+200 sx "C" w/2% Cacl21"w/350 sx "C" w/4%CaCl2. TOC Surf.
9-5/8" 40# casing:	Set at 1806' w/150sx"H"+250sx"C"50:50+250sx"C"w/2% Cacl2+1"w/ 75 sx "C" w/3%CaCl2
8-3/4" open hole:	1806' to 6368' MD (4579' TVD)
KB:	17'
TD:	6368' MD (4579' TVD)
OH volume TD to 9-5/8" csg:	2000 cuft (356 bbls)
OH volume TD – 5140':	480 cuft (85 bbls)
PBTD:	1750' (CIBP)
Drilling Mud:	Last report prior to logging 2-3-01 Depth: 6368, Mud Wgt 9.5, Vis 48, PV/YP 10/16, Gels 7/9, pH 9.0, Fil 9.4,Ck 1, % Solids 6.9, Cl 28,000. Starch and Polymer mud.

1. Test mast anchors. Dig and line work over pit.
2. RUPU. NDWH and install BOP.
3. Receive 6,500' of 2-3/8" 4.7#/ft EUE 8rd J-55 work string.
4. RU reverse drilling equipment. Test casing to 500 psi. RIW w/ 8-3/4" bit, 10-4-1/4"x2-7/8" IF thread drill collars and 2-3/8" tubing. Drill out CIBP tool at 1750', circulate with produced water (PW). RIW and tag TD 6368' (4579' TVD) circulating every 1000'.
5. Reverse circulate well clean with PW.
6. POW laying down DC's and bit.
7. RIW with SN, spot control valve and tubing to 4750' MD.
8. RU BJ Services and acidize the open hole with 4800 gals 7-1/2% NEFE acid containing 5 gpt Ferrotrol 300-L, 6 gpt Ferrotrol 270, 2 gpt Ferrotrol 271, 1 gpt CI-27, ½ gpt Claymaster 5C, 1 gpt NE 940, 2 gpt LT-21 (same as original El Paso Federal No. 12 completion developed from thin section rock analysis) as follows:
  - 1) With tubing at 4750' pump 2800 gal 7-1/2% acid and 5 bbl produced water overflush.
  - 2) Pull tubing to 3400' MD and pump 1900 gal 7-1/2% acid and 5 bbls produced water overflush.
9. POW with tubing laying down and close blind rams on BOP.
10. Displace acid with 214 bbls pw with a maximum surface pressure of 500 psi.

11. RIW with 9-5/8" Arrowset IX packer with cup forming center element, 1.781" "F" 316 SS profile nipple, TOSSD and 2-3/8" EUE 8rd J-55 IPC tubing. (**Note all wetted parts of packer need to be nickel plated**). Set packer at 1775' and pull 45,000 lbs to pack off elements.
12. Release TOSSD and reverse circulate well with 2% Kcl water containing oxygen scavenger and corrosion inhibitor.
13. Engage TOSSD onto packer and ND BOP and NU 2-3/8" slip type hanger and IPC wellhead with master valve and injection hookup.
14. RU pump truck and test tubing casing annulus to 500 psi with chart recorder for 30 minutes. RDPU.
15. Install injection facility with tanks and pump.

CWB

6/7/04

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