

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Oil Cons.
N.M. Div-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

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

5. Lease Designation and Serial No.

NM 34467

6. If Indian, Allottee or Tribe Name

7. If Unit or CA. Agreement Designation

RNM-021

8. Well Name and No.

Indian Hills Com No. 1

9. API Well No.

30-015-20195

10. Field and Pool, or Exploratory Area
See Attached

11. County or Parish, State

Eddy, NM

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)

Unit J, 1650' FSL, 1750' FEL, Section 8, T21S, R24E



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 Downhole Commingle

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

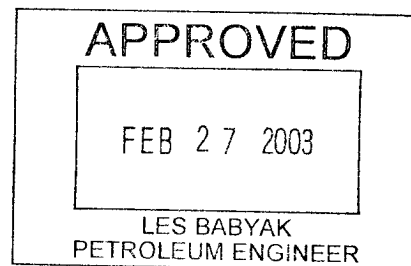
☐ Dispose Water

(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 downhole commingle the subject well after the recompletion described in the attached procedure to the Undesignated Indian Basin Upper Penn (Associated), Indian Basin Strawn and Undesignated Seven Rivers Hills Atoka Pools. A Downhole Commingle application has been filed on February 25, 2003 with the Santa Fe office of the New Mexico Oil Conservation Division.

SUBJECT TO
LIKE APPROVAL
BY NMOCD



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

Signed [Signature]

Title Regulatory Affairs Coordinator

Date 2/25/2003

(This space for Federal & State office use)

Approved by

Conditions of approval, if any:

Title

Date

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

Workover Procedure
Indian Hills Com No. 1
1650' FSL & 1750' FEL
Sec 8, T21S, R24E
A.F.E. 647

Objective: Recomplete to Atoka, Strawn, Canyon

KB: 16 above GL

Completed 11-5-73

TD: 10,190'

PBTD: CIBP @ 10,070' 1976, original 10,163'.

Casing: 13-3/8" 48#/ft @ 314' cmt w/350 sx.

8-5/8" 24# & 32#/ft @ 3288' w/1290 sx lost pump, TOC 1900' by CBL, perf 2 shots @ 1850' could not pump in @ 2500psi, Ran Temp TOC 340', pump 68 sx between 13-3/8" and 8-5/8".

4-1/2" 11.6#/ft J-55 and N-80 TD @ 10,190' with 450 sx, Calculated TOC 7600'.

Perfs: Orig. Sep 70 Morrow 9926-28', 9982-84', 9956-60', Add Morrow 8-16-71 9948-49', 9971'-78', 10016-17', 10033-42', 10080-81', 10101-106' total 120 holes.

Pkr: 4-1/2" Baker Model "R" (assumed re-ran same model 8-7-81 workover) at 9901.6' with SN.

Tbg: 325 Jts 2-3/8" 4.7#/ft EUE 8rd (assumed N-80)

Last pulled August 1981

1. RUPU. Kill well with 35 bbls 3% KCL water containing packer fluid and ½ gpt BJ's ClayMaster 5C (or equivalent).
2. ND x-mas tree, install BOP (might need to cut bolts with welder's torch).
3. Release Baker Model "R" packer and POW w/2-3/8" 8rd EUE N-80 tubing, SN and packer.
4. RU wireline lubricator. RIW with 3.75" guage ring to 9900'. RIW with 4-1/2" CIBP and set at 9875". Spot 35' Class "H" cement on CIBP with dump bailer for PBTD of 9840'.
5. Fill casing with 3% KCL water containing packer fluid and ½ gpt BJ's ClayMaster 5C (or equiv.). Pressure test CIBP, casing and BOP to 1500 psi.
6. RIW w/ wireline entry guide, 4-1/2" Arrowset I 10k packer w/TOSSD w/1.781" "F" profile, 2-3/8" 4.7#/ft EUE 8rd N-80 tubing testing in hole to 8000 psi above slips. Set packer at 8600'+/-.
7. ND BOP, NU 2-3/8" 5000 psi wellhead landing tubing with packer in 12,000 lbs compression. Pressure test packer, casing and tree to 1500 psi.
8. Swab tubing fluid level to 8000'+/-.

9. RU wireline company and lubricator. Run GR-CCL log 9840' to 8600'. Perforate the following intervals with 1-11/16" strip gun by Welex Compensated Acoustic Velocity Log log dated 8-24-70:

8708'-8710' Canyon lime 1 jspf (3 holes)
 8738'-8747' Canyon lime 1 jspf (10 holes)
 8831'-8835' Strawn lime 1 jspf (5 holes)
 total 18 holes

10. If further stimulation required RU BJ Services. Install tree saver. Pressure tbg-csg annulus to 500 psi. Stimulate with 1500 gal 15% NEFE acid with 1000 scf/bbl nitrogen and dropping 36 ball sealers for diversion. Max pressure 8000 psi. 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-271L
 Flush with 3% KCL water containing and NE-13 surfactant and 1000 scf/bbl nitrogen.

11. Flow and swab back load and acid water to pit until flare will burn.

12. Return well to sales and evaluate whether to add Strawn sand 9057-62', 9155-58' and Atoka sand zone 9468'-9474'.

13. RU wireline company and lubricator. Perforate with 1spf 1-11/16" strip gun at 9057-62' (6 h), 9155-58' (4 h), 9468'-9474' (7h) by Welex Compensated Acoustic Velocity Log log dated 8-24-70.

15. If stimulation required. RU BJ Services. RU tree saver. RU pump truck and trap 1500 psi on tubing casing annulus. Acidize perfs 8475'-9474' with 1500 gal mixture of 7-1/2% HCL +25% methanol with 1000 scf/bbl nitrogen dropping 40 7/8" 1.3 sg RCN ball sealers ahead of all acid then 25 RCNBS evenly spaced in the last 750 gallons. Max surface pressure 7500 psi.

Acid additives:

2 gpt CI-27, 1 gpt Ne-940 Non-emulsifier, 1 gpt Inflo-150 Surface Tension reducer, 6 gpt FE-270 Iron Control, 2 gpt FE-271 Iron Control activator, 0.5 gpt Clay Master-5C Clay Control. Replace 25% of the acid mix water with methanol. 1500 gallons of 7.5% HCL requires 1215 gals water and 285 gals 28 Baume HCL, so mix with 911 gals water, 285 gals raw acid, 304 gals methanol. Flush with 3% kcl water containing 0.5 gpt Clay Master-5C with 1000 scf/bbl nitrogen.

16. Swab and flow acid water to pit until fire will burn. Return to sales.

CWB 2-7-03

(IHC1 afe647 pro.doc)