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Form 3160-5
(February 2005)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Fasken Oil and Ranch, Ltd.

3a. Address

302 West Wall St., Suite 1800, Midland, TX 79701

3b. Phone No. (include area code)

432-687-1777

5. Lease Serial No.
NM-14496

6. If Indian, Allottee or Tribe Name

7. If Unit of CVA Agreement, Name and/or No.

8. Well Name and No.
Ling Federal No. 19. API Well No.
30-025-2806410. Field and Pool or Exploratory Area
Delaware Mountain Group11. Country or Parish, State
Lea, New MexicoA. Location of Well (Footage, Sec., T., R., M., or Survey Description)
10807 FNL & 18807 FEL, Sec. 31, T18N, R34E

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐
- Acidize
- ☐
- Deepen
- ☐
- Production (Start/Resume)
- ☐
- Water Shut-Off
-
- ☐
- Alter Casing
- ☐
- Fracture Treat
- ☐
- Reclamation
- ☐
- Well Integrity
-
- ☐
- Casing Repair
- ☐
- New Construction
- ☐
- Recomplete
- ☐
- Other
-
- ☐
- Change Plans
- ☐
- Plug and Abandon
- ☐
- Temporarily Abandon
-
- ☐
- Convert to Injection
- ☒
- Plug Back
- ☐
- Water Disposal

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Fasken Oil and Ranch, Ltd. proposes to plug this well back from the Gem; Strawn, East to the Delaware Mountain Group and complete as an SWD well.

Please see attached procedure.

SEE ATTACHED FOR
CONDITIONS OF APPROVALSEE ATTACHED FOR
CONDITIONS OF APPROVALCondition of Approval: Notify OCD Hobbs
office 24 hours prior to running MIT Test & Chart.

SWD-1142

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

Name (Printed/Typed)

Kim Tyson

Title Regulatory Analyst

Signature

Kim Tyson

Date 03/10/2009

APPROVED

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

[Signature]

Title

Office

MAR 11 2009

Date

WESLEY W. INGRAM
PETROLEUM ENGINEER

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any person knowingly and willfully to make in any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**Ling Federal 1
30-025-28064
Fasken Oil and Ranch, Ltd.
March 11, 2009
Conditions of Approval**

1. Operator failed to notify BLM on the original application. Well will be injecting into federal minerals. Any well proposed for injection that has federal surface or minerals or both requires the Operator to notify the BLM when submitting a proposal for a SWD as the BLM must provide concurrent approval.
2. BLM to be notified to witness plugs. Call 575-393-3612 a minimum of 24 hours prior to start of work.
3. Install BOP and test.
4. Plug required at top of Wolfcamp formation. Perforate at 11220' TOC by CBL and squeeze sufficient cement to result in a plug of 210' in length. Plug to be tagged at 11010' or shallower. Standard WOC for plugs is four hours, to be applied to all cement plugs.
5. Reset CIBP to cover Bone Spring perforations.
6. Plug required across DV tool at 9367'. Plug to be 195' in length and is to be tagged at 9225' or shallower. Recommend combining this with the reset CIBP at 9450'. Total plug length to CIBP would be 225'.
7. CIBP at 8375' with 35' of cement okay.
8. A plug will be required at top of Bone Spring formation. This plug can be set during the final well plugging. Plug to be 180' in length and set from 8320-8140'. Plug does not require tag.
9. Submit subsequent sundry detailing work done and indicate date that injection begins.

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Convert to SWD
 Ling Federal No. 1
 1980' FNL, 1980' FEL, Sec 31, T19S, R34E
 Lea County, NM
 AFE 1479

CONVERT TO SALT WATER DISPOSAL WELL
 API: 30-025-28084
 Completed March 30, 1983

CASING: 13-3/8" @ 400' KB w/450 sx. Circulated 191 sx.
 9-5/8" 36 & 40#/ft @ 5221' KB w/2600 sx. Circulated 892 sx.
 5-1/2": 17 & 20#/ft (bottom 3941') N-80 @ 13,690' DV @ 9387' 1st stg 325 sx HLW
 "H" + 300 sx "H", 2nd stg w/ 1100 sx HLW "C" + 200 sx "C". TOC 3920' by Temp.
 TOC below DV 11,320' by CBL (Jan, '86)

PERFS: Bone Spring: 9500' (4 sqz hls), 9587'-93' (8h), 9538'-44' (8h), 9800' (4 sqz hls)
 Strawn: abandoned - 12,229-12,240 (23 holes).
 Morrow: abandoned - 13190'-13522' (162 holes) overall

TD: 13,690'

KB: 22' above GL

PBTD: +/- 9430' (CIBP @ 9455' w/ 35' cement)

FISH: 5-24-07 Cmt Retainer w/7 jts (203.36') 2-3/8" 8rd fiberglass tailpipe fell to bottom, Est top of fish +/- 11,980'. Ran bit and scraper to 10,000' 6-28-07 did not tag "confirming fish fell to bottom".

**SEE ATTACHED FOR
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1. Test rig mast anchors on location.
2. Notify NMOCD of intent to start conversion to SWD as per NMOCD Administrative Order SWD - 1142.
3. Set rig matting boards and RUPU. Receive and set catwalk, two sets of pipe racks, and half-frac workover tank on location. Build flowline from wellhead to workover tank.
4. Blow down any casing pressure to workover tank. NDWH and NU 7-1/16" 3,000 psi manual BOP complete with 2-7/8" pipe rams and blind rams.
5. Receive and tally 8,100' of 2-7/8" N-80 EUE 8rd workstring from Fasken stock. Clean boxes and pins.
6. RUWL and RIW with gauge ring and junk basket to 8,375' and POW. RIW with 5-1/2" CIBP and set @ 8,375' with 35' of class "H" cement on top. RDWL.
7. WOC 2 hrs. RU pump truck on casing and test to 1,200 psi for 20". Report results to Midland Office. Blow down casing to workover tank, and RD pump truck.
8. RIW with 2-7/8" box, 2-7/8" an, and 2-7/8" tubing to 8020'. Reverse circulate and displace well with 2% KCl water, spotting 600 gallons of 7-1/2% NEFE double-inhibited acid @ 8020'. POW with tubing.
9. RUWL. RIW with 3-1/8" Gamma slick casing gun and run GR/CCL strip log from CIBP @ 8,375' to 5,500' and correlate to open-hole log mentioned below. Perforate Delaware Sands as follows:

7484' - 7478' (15 holes)
 7780' - 7768' (19 holes)
 7960' - 7960' (11 holes)
 7888' - 8008' (21 holes)
 8010' - 8020' (11 holes)

77 total holes. All holes should be 1 JSPF, 0.40" EH, 60° phasing, and correlated to Schlumberger Simultaneous Compensated Neutron-Litho Density Log dated March 8, 1983. POW, make sure all shots fired, and RDWL.

10. RU pump truck on casing and displace spot acid into perfs using 14 bbls of 2% KCl water containing clay stabilizer. Record instantaneous, 5", 10", and 15" shut-in pressures. Max pressure = 3,000 psi.

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11. RIW with 5-1/2" RBP with ball catcher, retrieving tool, 10' 2-7/8" tubing sub, 5-1/2" HD compression packer, 2-7/8" sn, and 2-7/8" workstring and set RBP @ +/- 8080'. POW with 1 joint of tubing and set packer @ +/- 8040'. Pressure test RBP to 1,500 psi for 10'. Release packer and POW to put packer @ 7300'. Set packer by spacing out tubing using tubing subs so that there will be 14 pts of compression on packer @ +/- 7,300 when wellhead is nipped up.
12. ND BOP and NUWH. RU swab and swab back spot acid load water.
13. RU Service Company. Pressure tubing/casing annulus to 500 psi and monitor throughout job. Acidize Delaware Perforations with 3,000 gallons of 7-1/2% NEFE HCl acid containing clay stabilizer. Flush with 2% KCl water containing clay stabilizer. Drop 180 7/8" RCN ball sealers evenly spaced for diversion. Max pressure 3,500 psi. Record instantaneous, 5", 10", and 15" shut-in pressures.
14. Flow and swab back acid load to workover tank.
15. NDWH and NU BOP. Unseat packer and RIW with packer past the bottom perforation to knock off any ball sealers still stuck to perforations and retrieve RBP @ 8080'. POW and reset RBP @ +/- 7000'. Set packer @ +/- 6970' and test plug to 1,500 psi for 10'.
16. Release packer and POW to put EOT @ 6690'. Spot 600 gallons of 7-1/2% NEFE double-inhibited HCl @ 6690'. Displace using 2% KCl water containing clay stabilizer. POW with tubing and packer.
17. RUWL. RIW with 3-1/8" Gamma slick casing gun and perforate Delaware Sands as follows:

6370' - 6394' (25 holes)
 6490' - 6502' (13 holes)
 6628' - 6640' (15 holes)
 6744' - 6752' (9 holes)
 6874' - 6890' (17 holes)

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79 total holes. All holes should be 1 JSPF, 0.40" EH, 60" phasing, and correlated to strip log obtained in step number 9. POW, make sure all shots fired, and RDWL.

18. RU pump truck on casing and displace spot acid into perforations using 14 bbls of 2% KCl water containing clay stabilizer. Record instantaneous, 5", 10", and 15" shut-in pressures. Max pressure = 3000 psi.
19. RIW with retrieving tool, 10' 2-7/8" tubing sub, 5-1/2" HD compression packer, and 2-7/8" tubing to +/- 6300'. Set packer by spacing out tubing using tubing subs so that there will be 14 pts of compression on packer @ 6300' when wellhead is nipped up.
20. ND BOP and NUWH. RU swab and swab back spot acid load water.
21. RU Service Company. Pressure tubing/casing annulus to 500 psi and monitor throughout job. Acidize Delaware perforations with 3,000 gallons of 7-1/2% NEFE HCl acid containing clay stabilizer. Flush with 2% KCl water containing clay stabilizer. Drop 160 7/8" RCN ball sealers evenly spaced for diversion. Max pressure 3,500 psi. Record instantaneous, 5", 10", and 15" shut-in pressures.
22. Flow and swab back acid load to workover tank.
23. NDWH and NU BOP. Unseat packer and RIW with packer past the bottom perforation to knock off any ball sealers still stuck to perforations and retrieve RBP @ 7000'. POW and reset RBP @ +/- 6300'. Set packer @ +/- 6270' and test plug to 1,500 psi for 10'.
24. Release packer and POW to put EOT @ 6235'. Spot 800 gallons of 7-1/2% NEFE double-inhibited HCl @ 6235'. Displace using 2% KCl water containing clay stabilizer. POW with tubing and packer.
25. RUWL. RIW with 3-1/8" Gamma slick casing gun and perforate Delaware Sands as follows:

5682' - 5702' (25 holes)
 5782' - 5790' (13 holes)
 6020' - 6040' (15 holes)
 6078' - 6102' (9 holes)
 6188' - 6198' (17 holes)
 6210' - 6234' (23 holes)

110 total holes. All holes should be 1 JSPF, 0.40" EH, 60" phasing, and correlated to strip log obtained in step number 9. POW, make sure all shots fired, and RDWL.

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26. RU pump truck on casing and displace spot acid into perforations using 14 bbl of 2% KCl water containing clay stabilizer. Record instantaneous, 5", 10", and 15" shut-in pressures. Max pressure = 3000 psi.
27. RIW with retrieving tool, 10' 2-7/8" tubing sub, 5-1/2" HD compression packer, and 2-7/8" tubing to +/- 5500'. Set packer by spacing out tubing using tubing subs so that there will be 14 pts of compression on packer @ 5500' when wellhead is riddled up.
28. ND BOP and NUWH. RU swab and swab back spot acid load water.
29. RU Service Company. Pressure tubing/casing annulus to 500 psi and monitor throughout job. Acidize Delaware perforations with 3,000 gallons of 7-1/2% NEFE HCl acid containing clay stabilizer. Flush with 2% KCl water containing clay stabilizer. Drop 210 7/8" RCN ball sealers evenly spaced for diversion. Max pressure 3,500 psi. Record instantaneous, 5", 10", and 15" shut-in pressures.
30. Flow and swab back acid load to workover tank.
31. NDWH and NU BOP. Unseat packer and RIW with packer past the bottom perforation to knock off any ball sealers still stuck to perforations and retrieve RBP @ 8300'. POW and LD RBP.
32. RIW with 5-1/2" HD packer, sn, and 2-7/8" tubing to set packer @ +/- 5650'. RU pump truck and establish injection rate into perforations. Determine the greatest injection rate possible at a maximum pressure of 1,135 psi. If acceptable injection rate is obtained, continue on with procedure. If not, a frac proposal will follow. Pressure tubing/casing annulus to 500 psi for 30". Report results to Midland Office.
33. POW and LD packer and workstring. Send 2-7/8" workstring back to Midland Yard for inspection. Receive 5,800' of 2-7/8" poly-lined N-80 EUE 8rd injection tubing.
34. After obtaining tubing tally, RIW with 2-7/8" x 5-1/2" Arrowset 1X10 K packer with 1,500" "F" profile nipple, TOSSD and poly lined tubing and set packer at +/- 5650' in 12pts of compression. (All wetted parts of packer need to be nickel plated.) Release TOSSD from packer and displace tubing/casing annulus with 2% KCl water containing corrosion inhibitor and O₂ scavenger. Engage TOSSD onto packer, ND BOP and NU 2-7/8" slip type hanger & IPC well head with aluminum-bronze full open gate valve dressed for sour conditions and injection hookup.
35. Notify NMOCD of intent to run pressure test on annulus. Pressure tubing/casing annulus to 500 psi and record on chart recorder for 30". RDPU.
36. Set high pressure injection pump at the Ling Federal No. 3 battery and lay 2" fiberglass high-pressure injection line from the Ling Federal No. 3 battery to the Ling Federal No. 1 wellhead.
37. After approval is given from NMOCD and Midland Office, begin injecting into well. Maximum injection pressure = 1,135 psi.
38. Report injection rate, volume, and pressure to Midland Office for daily drilling report.

Approved:

____ Area Engineer
____ Carl Brown
____ Calvin Turner
____ Jimmy Davis, Jr.

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