

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

SUNDRY 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.

5. Lease Serial No
NM-14496

6. If Indian, Allottee or Tribe Name

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.

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

8. Well Name and No.
Ling Federal No 4

9. API Well No
30-025-38748

3a. Address
303 West Wall St., Suite 1800, Midland, TX 79701

3b. Phone No. (include area code)
432-687-1777

10. Field and Pool or Exploratory Area
Wildcat

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1660' FSL & 2310' FEL, Sec 31, T19S, R34E
UL-J

11. Country or Parish, State
Lea, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recompleat 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 recompleat 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 the Ling Federal No. 4 back from the Quail Ridge; Atoka (Gas) to the Wildcat and re-complete it as an oil or gas well.

Please see attached procedure.

RECEIVED
JUN 23 2009
HOBBSOCD

APPROVED
JUN 21 2009
JAMES A. AMOS
SUPERVISOR-EPS

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Kim Tyson

Title Regulatory Analyst

Signature

Kim Tyson

Date 06/08/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

PETROLEUM ENGINEER

Date

JUN 24 2009

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.

Office

KZ

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 to 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)

Fasken Oil and Ranch, Ltd.
Ling Federal No. 4
1660' FSL & 2310' FEL
Sec 31, T19S R34E
AFE 1653

OBJECTIVE:	Recomplete to Wolfcamp
WELL DATA:	
13-3/8" 54.5#K55&48# H40 casing:	Set at 1586.5' KB. Cmt w/600 sx "C" w/ 2% CaCl ₂ (13.5 ppg, 1.74 cuft/sx) + 400 sx "C" w/ 2% CaCl ₂ (14.8 ppg, 1/32 ft3/sx).
9-5/8" 40# HCK55&36#J55 csg:	Set at 5172.2' KB, DV @ 3480.66' KB, Cmt 1 st stage 400sx HLC (12.6ppg,2.013ft3/sx)+300sx "C" (14.8ppg, 1.32 cuft/sk). Circ 61 sx thru DV. 2 nd stage 1200sx HLC (12.6ppg,2.01ft3/sx) +300sx "C" (14.8ppg, 1.32 cuft/sk). 9-5/8" TOC surf, circ154sx
5-1/2" 17#&20# N-80:	Set at 13,569.67' KB, DV @ 10,662' KB, Cmt 1 st stage 270sx Econocem "H" Modified(11.9ppg,2.45cuft/sk) + 375 sx Super "H" Mod (13.2 ppg, 1.63 ft3/sx), Circ mudflush thru DV. Cmt 2 nd stage 860sx Halliburton Lite"H" (12.4 ppg, 2.03 ft3/sx) + 380sx Super "H" Modified (13.2 ppg, 1.63 ft3/sx). 5-1/2" TOC 3463' by Temp
Packer:	Marker jts (drlg tally): 11.87' @13,097.55', 11.50' @ 9208.42' 2-3/8" WL re-entry guide, 2-3/8" EUE 8rd N-80 tubing sub, 2-3/8" 1.875" "R" pn, 2-3/8" tubing sub, 1 joint 2-3/8" tubing, 5-1/2" Arrowset 10K packer w/ 1.875" "F" pn @ 12,342' in 20 pts compression with 2-3/8" x 4-1/2" TOSSD. EOT @ 12,407'.
Tubing:	2-3/8" EUE 8rd N-80.
Perfs:	Morrow 13,190'-13,398'. Atoka – 12,516'–12,524'
TD:	13,577'
PBTD:	13,075' CIBP @ 13,110' w/ 35' class "H" cmt on top.

1. Check with Jimmy Carlile or Kim Tyson beforehand to make sure we have pit permit and approval to recomplete.
2. Set and receive half-frac flowback tank with gas buster on location and test tank. Build flowline from wellhead to test tank and gas buster half tank (NOTE: Frac will require 22 500-bbl frac tanks, 2 plastic coated tanks one for acid and one for Halliburton , and frac crew on location – so plan pulling unit and tank placement accordingly).
3. RUPU and swab condensate to battery. Then Kill well with 2% KCl water.
4. NDWH and NU 7-1/16" 5k Hydraulic BOP equipped with 2-3/8" pipe rams and blind rams.
5. Unset packer and POW with tubing and packer. Make sure crew has 2-3/8" TIW valve and handle on location. Keep well loaded with fluid while pulling out with tubing. Have pump truck trickle fluid into well while POW with tubing and packer.

6. RUWL and RIW w/ 5-1/2" 10K CIBP and set at 12,500' and dump bail 35' of Class "H" cement on top correlated to EnerTech Wireline Services Perforating Depth Control Log w/Gamma Ray/CCL dated 12-2-2008. POW and RDWL.
7. ND BOP and NU Downing frac sleeve and frac valve with goat head. (Note need 4" X 2" X-O for frac valve so regular acid pump truck can tie into frac valve.) RU high pressure pump truck and slowly load 5-1/2" casing with 2% KCl water so no air is trapped in casing. Pressure test 5-1/2" 17#/ft casing to 6200 psi for 30 minutes on chart recorder to make sure casing will test good for frac.
8. After casing test good bleed pressure off well and ND frac valve and frac sleeve. NU BOP.
9. RIW with tubing 2-3/8" notched collar, 2-3/8" sn, and 2-3/8" tubing to put EOT @ 11,220'. RU pump truck and displace well with 2% KCl water and spot 1,000 gallons of 15% double-inhibited NEFE HCl acid @ 11,220'. Displace spot acid with 2% KCl water. POW with tubing.
10. RU Halliburton wireline and perforate Wolfcamp w/ 3-1/8" slick casing gun as follows:

11,914'-16' 8h	11,970'-72' 8h
12,014'-16' 9h	12,066'-68' 8h
12,110'-12' 8h	12,160'-62' 7h

Total - 48 holes. Make note of any changes in fluid level after perforating. POW w/ WL, make sure all shots fired and RDWL.

11. RU pump truck on casing and displace spot acid into perforations using 24 bbls of 2% KCl water. Max Pressure = 5,000 psi. Record instantaneous, 5", 10", & 15" shut-in pressures. Report results to Midland Office.
12. ND BOP, install Downing isolation frac sleeve, adaptor flange, and 10K frac valve with 4 outlet goat head.
13. Set 22 - 500 bbl clean frac tanks. Fill each to maximum capacity with fresh water from. The tanks need to be set at least 10 days prior to frac date if filling with fast line. Send water sample into Halliburton to test for compatibility. Set 2 plastic coated tanks in front of frac tanks according to Halliburton field agent instructions. Make sure to put Halliburton Biocide into frac tanks and acid tank before filling with water.
14. Receive Fasken frac stand on location.
15. RU Halliburton pumping services. Frac Wolfcamp in four stages via 5-1/2" casing with 354,000# of 20/40 XRT Gold H Premium ceramic sand according to Halliburton proposal # 198559v3. Max allowable surface treating pressure = 6,200 psi (80% of 17#/ft N-80 IYP of 7,740 psi).

16. Record instantaneous shut-in pressures for each frac stage. RD Halliburton pumping services, Halliburton wireline, and release frac stand. Empty any remaining water in frac tanks and release all but one tank.
17. Set 500 bbl test tank so that the remaining frac tank can handle the overflow from the test tank. Build 3" poly line from 3" overflow outlet at top of test tank to let fluid fall into frac tank when test tank is full. Build 2-3/8" steel flowline from wellhead to test tank and build double manifold so fluid can go to the open top tank or the test tank build fiberglass water leg on test tank.
18. ND Frac Valve, adaptor flange and Downing WH isolation frac sleeve, and NU 7-1/16" BOP 5K Hydrolytic BOP. Need to have a spool that is at least 12-14" long to go between stripper head and BOP. Do not need to install this until the last bridge plug is ready to be drilled out. RU reverse unit and fill reverse tank with 2% KCl water.
19. RIW with 4-3/4" OD Hurricane mill, 2-3/8" pump off bit sub, 2-3/8" seating nipple and 2-3/8" production tubing. Tag top of plug at 11,300' and circulate well clean with fw.
20. NU 7-1/16" 5K spool with outlet and BIW stripper w/ 2-3/8" rubber and RU power swivel.
21. Mill out plug at 11,300' and RIW 1 jt and circulate well clean, allowing returns to go thru gas buster on test tank. If well flow is not too strong, continue to next plug and mill out all remaining plugs. Keep record of flow rate, oil cut, where sand was tagged, and drill time on each plug. Notify Midland office if any strong flows are encountered.
22. After bottom plug is milled out (4 plugs total), continue RIW and clean out to PBTD at +/-12,500'. Circulate well clean and check returns for frac sand. When returns clean up then PU off bottom and monitor flow rate. Notify Midland office with flow rate and amount of oil and gas in returns.
23. A decision will be made if pump off bit sub will be pumped off or tubing will be pulled and production string ran.
24. If the bit is to be pumped off on bottom then POW with EOT +/- 100' above the top perforation.
25. ND BIW stripper and NU spool and BIW stripper with only 4 bolts in stripper.
26. Pull top joint of tubing with collar above top of BIW stripper. Close BOP and ND BIW stripper.
27. Install 2-3/8" wrap around on OD at top of 2nd top joint of tubing (grease up wrap around). Set down on BIW stripper and NU BIW stripper.
28. Open BOP and slack off on tubing to push wrap around down into wellhead.
29. Tighten wellhead lock bolts onto wrap around. Make sure wrap around is good and seated in WH flange.
30. ND BOP and NU single valve flow tree.
31. Drop ball and shear pump off bit sub at +/-15-1800 psi.

32. If needed make 1-2 swab runs to kick off tubing flowing again.
33. If tubing was tripped and production was ran in well continue with rod recommendation to be provided at a later date.
34. Clean location and wellhead.
35. Report daily well test to Midland office on drilling reports.

Drill Out	Plug Setting Depth	Tagged at (Ft)	Drill time	Fill on top (ft)	Before drilling plug			After plug is drilled			Volume (bbls)	
					TP	CP	Returns	TP	CP	Returns	Lost	Gained
Cap plug	XXXX											
2nd	XXXX											
3rd	XXXX											
4th	XXXX											

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