

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.	30±025±36093
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Kirby "26" State
8. Well Number	1
9. OGRID Number	151416
10. Pool name or Wildcat	Vacuum:Wolfcamp

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☒ Other

2. Name of Operator  
Fasken Oil and Ranch, Ltd.

3. Address of Operator  
303 West Wall, Suite 1800 Midland, TX 79701

4. Well Location  
Unit Letter E : 1980 feet from the North line and 1310 feet from the West line  
Section 26 Township 17S Range 34E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
4032' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type Steel pits Depth to Groundwater                      Distance from nearest fresh water well                      Distance from nearest surface water                     

Pit Liner Thickness:                      mil Below-Grade Tank: Volume                      bbls; Construction Material                     

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Fasken Oil and Ranch, Ltd. proposes to plug and abandon the Kirby "26" State No. 1 as proposed on the attached procedure. Before and after schematics are also attached.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Jimmy D. Carlile TITLE Regulatory Affairs Coord. DATE 9/4/07

Type or print name  
For State Use Only

E-mail address:

Telephone No.

APPROVED BY: Larry W. Wink TITLE OCD FIELD REPRESENTATIVE II/STAFF MANAGER DATE SEP 06 2007  
Conditions of Approval (if any)

**Recommended Plug and Abandon Procedure**  
**Kirby "26" State No. 1**  
**1980' FNL & 1310' FWL**  
**Sec 26, T17S R34E**  
**Lea County, New Mexico**  
**AFE 1320**

<b>OBJECTIVE:</b>	Plug and Abandon
<b>WELL DATA:</b>	
13-3/8" 48#/ft H-40 ST&C csg:	Set at 520.46' KB Cmt w/550 sx. Circ 197 sx to surf.
9-5/8" 40&36#/ft K-55 ST&C csg:	Set at 4948.06' KB, Cmt w/ 1250 sx, did not circ, TOC 400'.
5-1/2" 17&20#/ft N-80 LT&C csg:	Set at 11,964.10' KB, DV @ 9550.87' KB, Cmt 1 <sup>st</sup> stage 800 sx
(20#/ft from 9456.02'-TD, & top 925.31')	Halliburton Super "H" circ 235 sx, Cmt 2 <sup>nd</sup> stage 1100 sx Lite
	"C" +200 sx Class "H" neat. TOC 4600' by Temp.
	Marker jt 13.13' @ 11,634.26'-11,621.13'.
Tubing Detail:	2-3/8" SN, 300 jts 2-3/8" EUE 8rd N-80 tbg. EOT swinging @ 9506.20'
CIBP:	9600' w/ 35 sx cmt.
Perfs:	Abandoned- Wolfcamp 10175'-96' (22h), 10213'-21' (9h), 10421'-34' (14h)
	Abandoned - Atoka/Morrow 11,819'-11,835' by TCP
TD:	11,950'
PBTD:	11,715', CIBP 11750' w/35' cmt, Junk CIBP @ 10,500'

1. Notify New Mexico OCD office of the intent to plug and abandon 72 hours prior to rigging up on well.
2. Make sure mast anchors have been tested and tagged in last 24 months. Need 120 5-1/2" pin end thread protectors.
3. RUPU, set rig mats, cat walk, 3 sets pipe racks and a half-frac workover tank on location.
4. Receive 2 additional jts of 2-3/8" EUE 8rd N-80 tubing and a full set of 2-3/8" N-80 tubing subs.
5. ND wellhead and NU 7-1/16" 3K manual BOP with 2-3/8" pipe rams and blind rams. Will need an extra set of 5-1/2" pipe rams with BOP.
6. RIW with standing valve and set in seating nipple @ 9505'KB. POW, RU pump truck, and test tubing to 1000 psi for 15". RIW with sandline and recover standing valve.
7. RIW w/ 2 jts 2-3/8" tubing and tag PBTD @ 9565'. POW 5' above PBTD
8. Spot an estimated 68 bbls of 9.5# salt gel mud with a minimum of 12.5 pounds of gel per barrel. Displace mud to 6600' with an estimated 25.5 bbls of brine water.
9. POW and LD tubing to put EOT @ 6600' KB.
10. Pump enough mud laden brine to bring top of mud to +/-4650', followed by a 5 barrel fresh water spacer ahead of cement. Mix and spot a 35 sx Class "H" cement plug at 6600'. Displace cement to 6280' with a 5 barrel fresh water spacer and mud laden brine water.
11. POW and LD 1630' of tubing while standing the rest back in derrick.
12. Bled pressure off 13-3/8" X 9-5/8" annulus and 9-5/8" X 5-1/2" annulus, and ND BOP and "C" section of wellhead.
13. Load both annulus wellheads with fresh water, weld 5-1/2" lift sub on top of 5-1/2" casing, and attempt to remove 5-1/2" slips from "B" section wellhead. Casing jacks may be necessary to remove wellhead slips.
14. RUWL and 3000 psi lubricator RIW with wireline and chemical or jet cut 5-1/2" 17# N-80 LT&C casing @ 4600'. Be sure the 5-1/2" X 9-5/8" annulus is open and full of fresh water before cutting the casing. POW and RDWL.
15. Receive box and pin thread protectors for 4600' of 5-1/2" casing.

16. RU casing crew and LD 5-1/2" 17-20# N-80 LT&C casing. RD casing crew, clean boxes and pins, install thread protectors, and send recovered casing back to Midland
17. NU wellhead adaptor spool and BOP. RIW with 2-3/8" tubing collar, seating nipple and 2-3/8" tubing to 4650'.
18. Pump enough mud laden brine water to put top of mud at +/-1550', followed by a 5 barrel fresh water spacer. Mix and spot a 25 sx Class "C" cement plug at 4650', displacing cement to 4550' with a 5 barrel fresh water spacer and mud laden brine water
19. POW with tubing and SD for ~~2~~<sup>4 HRS</sup> hrs to WOC. RIW with tubing, tag cement plug and notify Midland Office and NMOCD of the results. If TOC is below 4550', spot additional cement to achieve a TOC above 4550'.
20. RIW to put EOT at 1550' and displace well with mud laden brine water to +/-420' followed by a 5 barrel fresh water spacer. Mix and spot a 35 sx Class "C" cement plug at 1550'. Displace cement to 1440' with a 5 barrel fresh water spacer and mud laden brine water.
21. POW and LD all but 420' tubing and stand remaining 420' tubing in derrick.
22. RUWL and perforate 4 squeeze holes in 9-5/8" casing @ +/- 575' KB.
23. POW and RDWL.
24. Close BOP blind rams and open casing annulus valve between 13-3/8" X 9-5/8" casing annulus and attempt to establish circulation at maximum pressure of 750 psi. If able to establish circulation then continue with the cementing procedure in step 26, and if unable to establish circulation, continue to step 25.
25. RIW with 9-5/8" 36-40# AD-I type tension packer and set at +/-60' from surface with 20-24,000# tension and attempt to establish an injection rate into squeeze holes at 575' with a max pressure of 2500 psi. If unable to establish a pump rate into squeeze holes, notify Midland and NMOCD offices for further instruction. If able to establish a rate, proceed onto step No 26.
26. Pump a 5 barrel fresh water spacer, mix and pump 40 sx Class "C" cement with 3% CaCl<sub>2</sub> into squeeze holes at 575'KB, and displace TOC to 470'KB with estimated 5.4 bbls brine water. SD for 2 hours for cement to set, and bleed off tubing pressure.
27. Release packer and RIW with EOT to 470' and spot 31 bbls mud laden brine water from 470' to 60'.
28. POW and LD tubing and packer.
29. ND BOP and RIW with 2 joints of tubing and fill up casing with cement for the surface plug. POW and LD last two joints of tubing.
30. Dig out wellheads and cut-off below "A" section. Weld cap and dry hole marker on top of well. Install 1" 2000 psi valve welded into top of marker joint. Remove valve handle and close valve.
31. Send 2-3/8" tubing and wellheads to Midland office. Clean location, RDPU and release all rental equipment.

CSL/cgt

(Kirby26State1 AFE1320 P&A proc.doc)

# Kirby "26" State No. 1

Current as of: 8/27/07

Operator: **Fasken Oil and Ranch, Ltd.**  
 Location: 1980' FNL and 1310' FWL  
 Sec 26, T17S, R34E  
 Lea County, NM  
 Compl.: 03/1/2003 released rig  
 API #: 30-025-36093  
 TD: 11950'  
 PBD: 11715' (CIBP 11750' w/35'cmt)

Casing: **13-3/8", 48#, H-40 ST&C @ 520.46'**

Cmt 550 sx "C" w/2% CaCl2  
 TOC surf, Cir 197 sx

**9-5/8", 40# HCK-55 LT&C &  
 36# K-55 ST&C @ 4948.06'**

Cmt 1050sx Hallib Interfill "C" +8#slt (11 9ppg, 2 46 ft3/sx)  
 +200sx "C" neat (14.8ppg, 1.32ft3/sk)  
 TOC 400' FS by temperature survey

**5-1/2" 17-20# N-80 LT&C @ 11,964.10'**

Cmt 1st stg 800sx Hallib Super"H" (13.0ppg, 1.69ft3/sx)  
 Circ 235sx cmt thru DV

DV: 9550.87'  
 Cmt 2nd stg w/1100sx Hallib Lite "C" (12.6ppg, 1.90ft3/sx)  
 TOC 4600' by Temperature Survey  
 MrkJt 13 13' @ 11621 13'

## Formation Tops

Tubb 7404'

Drinkard 7548'

Abo 8078'

Wolfcamp 9437'

## Tubing Detail

2-3/8" Seating Nipple 0 75'  
 300 jts 2-3/8" EUE 8rd N-80 tbg 9505.45'  
 EOT @ 9506 20'

CIBP 9600' w/35' cmt, PBD 9565'

Perfs: Wolfcamp 9610'-16' (7h)  
 9827'-34' (8h)  
 9840'-44' (5h)  
 9854'-56' (3h)  
 10175'-196' (22h)  
 10213'-221' (9h)  
 10421'-34' (14h)

CIBP 11750' w/35' cmt

Perfs: Atoka/Morr 11819'-835'

Hole Sizes 17-1/2" 0-521'  
 12-1/4" 521'-5000'  
 8-3/4" 5000'-11,950'

T Penn 10321'

Strawn 11243'

Atoka 11522'

Morrow 11718'

13-3/8", 48#, H-40 ST&C @ 520 46'  
 TOC surf, Cir 197 sx

TOC @ 4,600' by TS

9-5/8", 40# HCK-55 LT&C &  
 36# K-55 ST&C @ 4948 06'  
 TOC 400' FS by temperature survey

5-1/2" Csg Wt (top to Btm)  
 20# LT&C KB to 925 31'  
 17# LT&C L 925.31' to 9,456 02'  
 20# LT&C 9,456.02' to 11,964.10'

DV 9550 87'

CIBP 9600' w/35' cmt, PBD 9565'  
 9610'-16' (7h)

9827'-56' (16h)

10175'-196' (22h)

10213'-221' (9h)

10421'-34' (14h)

10,500' - Junk CIBP (2-20-07)  
 MrkJt 13 13' @ 11621 13'

PBD 11715'

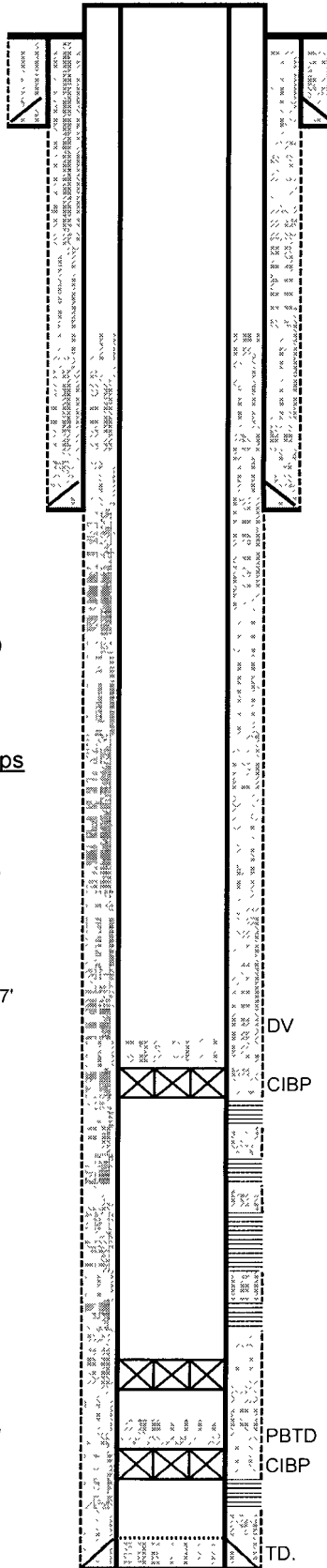
CIBP 11750' w/35' cmt  
 11,819' - 835'

TD. 11950'

5-1/2" 17-20# N-80 LT&C @ 11,964.10'

2-15-07

Kirby26St1 WBD 7-19-07 xls



# Kirby "26" State No. 1

**PROPOSED**

GL 4032'  
KB 4049'

Operator: **Fasken Oil and Ranch, Ltd.**

Location: 1980' FNL and 1310' FWL  
Sec 26, T17S, R34E  
Lea County, NM

Compl.: 03/1/2003 released rig

API #: 30-025-36093

TD: 11950'

PBTD: 11715' (CIBP 11750' w/35'cmt)

Casing. **13-3/8", 48#, H-40 ST&C @ 520.46'**

Cmt 550 sx "C" w/2% CaCl<sub>2</sub>

TOC surf, Cir 197 sx

**9-5/8", 40# HCK-55 LT&C &  
36# K-55 ST&C @ 4948.06'**

Cmt 1050sx Hallib Interfill "C" +8#silt (11 9ppg, 2 46 ft3/sx)

+200sx "C" neat (14 8ppg, 1 32ft3/sk)

TOC 400' FS by temperature survey

**5-1/2" 17-20# N-80 LT&C @ 11,964.10'**

Cmt 1st stg 800sx Hallib Super"H" (13 0ppg, 1 69ft3/sx)

Circ 235sx cmt thru DV

DV. 9550 87'

Cmt 2nd stg w/1100sx Hallib Lite "C" (12 6ppg, 1 90ft3/sx)

TOC 4600' by Temperature Survey

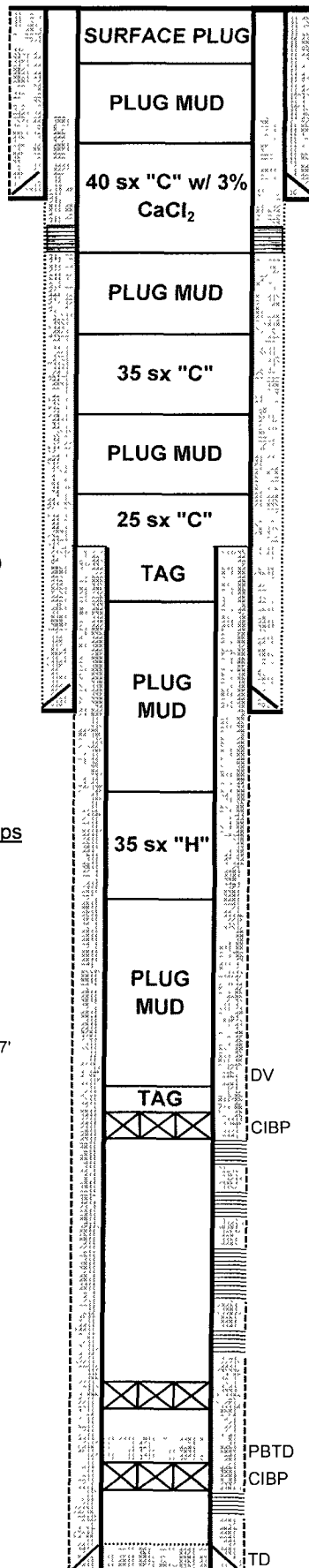
MrkJt 13 13' @ 11621 13'

5-1/2" Csg Wt (top to Btm)

20# LT&C KB to 925 31'

17# LT&C 925 31' to 9,456 02'

20# LT&C 9,456 02' to 11,964 10'



0' - 60' Surface Plug

Plug Mud 470 - 60' (31 bbls)

TOC 9-5/8" @ 400'

40 sx "C" 3% CaCl<sub>2</sub>. Bring TOC to 470'

13-3/8" 48# ST&C @ 520 46' - TOC surface

4 sqz holes @ 575'

575' - 1442' Plug Mud (65 bbls)

1442' - 1550' - 35 sx "C"

1550' - 4550' Plug Mud (62.5 bbls)

4550' - 4650' - 25 sx "C"

\*\*\*\*\*MUST TAG\*\*\*\*\*

TOC 5-1/2" @ 4,600' by TS

4650' - 6283' Plug Mud (38 bbls)

9-5/8" 40&36# @ 4948 06' TOC 400' FS

6283' - 6600' - 35 sx class "H"

6600' - 9565' Plug Mud (68 bbls)

DV 9550 87'

\*\*\*\*\*TAG PBTD\*\*\*\*\*

CIBP 9600' w/35' cmt, PBTD 9565'

9610'-16' (7h)

9827'-56' (16h)

10175'-196' (22h)

10213'-221' (9h)

10421'-34' (14h)

10,500' - Junk CIBP (2-20-07)

MrkJt 13 13' @ 11621 13'

PBTD 11715'

CIBP 11750' w/35' cmt

11,819' - 835'

TD 11950'

5-1/2" 17-20# N-80 LT&C @ 11,964 10'

## Tubing Detail

2-3/8" Seating Nipple 0 75'

300 jts 2-3/8" EUE 8rd N-80 tbg 9505 45'

EOT @ 9506 20'

CIBP 9600' w/35' cmt, PBTD 9565'

Perfs Wolfcamp 9610'-16' (7h)

9827'-34' (8h)

9840'-44' (5h)

9854'-56' (3h)

10175'-196' (22h)

10213'-221' (9h)

10421'-34' (14h)

CIBP 11750' w/35' cmt

Perfs Atoka/Morr 11819'-835'

Hole Sizes 17-1/2" 0-521'

12-1/4" 521'-5000'

8-3/4" 5000'-11,950'

## Formation Tops

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