Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

HOBBS OCD
OCT 17 2016
RECEIVED

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

Form C-103
Revised July 18, 2013

| | |
|---|---|
| WELL API NO. 30-025-05298 | |
| 5. Indicate Type of Lease STATE ☐ FEE ☒ | |
| 6. State Oil & Gas Lease No. 18164 | |
| 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 | 7. Lease Name or Unit Agreement Name Denton ✓ |
| | 8. Well Number 11 ✓ |
| 2. Name of Operator Fasken Oil and Ranch, Ltd. ✓ | 9. OGRID Number 151416 ✓ |
| 3. Address of Operator 6101 Holiday Hill Road, Midland TX, 79707 | 10. Pool name or Wildcat Denton; Wolfcamp |
| 4. Well Location Unit Letter B : 660' feet from the North line and 1815' feet from the East line ✓ Section 11 Township 15S Range 37E NMPM County Lea | |
| | 11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3795' GR |

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

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF | |
|---|---|---|---|
| PERFORM REMEDIAL WORK ☐ | PLUG AND ABANDON ☒ | REMEDIAL WORK | |
| TEMPORARILY ABANDON ☐ | CHANGE PLANS ☐ | COMMENCE DRILLING OPNS. | |
| PULL OR ALTER CASING ☐ | MULTIPLE COMPL ☐ | CASING/CEMENT JOB | |
| DOWNHOLE COMMINGLE ☐ | | | |
| CLOSED-LOOP SYSTEM ☐ | | | |
| OTHER: ☐ | | OTHER: | |

INT TO PA Exp x
P&A NR _____
P&A R _____

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Fasken Oil and Ranch, Ltd. Proposes to plug and abandon the Denton No. 11 as proposed on the attached procedure. Also attached is the current and proposed wellbore diagram.

**NOTIFY OCD 24 HOURS PRIOR TO BEGINNING PLUGGING OPERATIONS**

NOTE CHANGES
TO ATTACHED PROCEDURE

Spud Date: _____ Rig Release Date: _____

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [signature] TITLE Regulatory Analyst DATE 10-13-16

Type or print name Addison Long E-mail address: addisonl@forl.com PHONE: 432-687-1777

**For State Use Only**

APPROVED BY: [signature] TITLE Petroleum Engn Specialist DATE 10/17/2016

Conditions of Approval (if any):

**Denton No. 11**
**A.F.E. No. 3419**
**Fasken Oil and Ranch, Ltd.**
**659' FNL & 1837' FEL**
**Sec. 11, T15S, R37E**
**Lea County, NM**

| | |
|---|---|
| **OBJECTIVE:** | Plug and Abandon |
| **WELL DATA:** | |
| 13-3/8" 27.3 & 48# Armco Spiral Weld: | Set at 351'. Cmtd w/ 350 sx, TOC surface. |
| 8-5/8" 24, 28 & 32# J-55, H-40: | Set at 4649'. Cmtd w/ 2450 sx w/ 8% gel + 150 sx neat. TOC surface. |
| 5-1/2" 14, 15.5, & 17# J-55, N-80: | Set at 9552'. Cmtd 1st stg w/ 175 sx w/ 8% gel + 100 sx w/ 4% gel, circ 50 sx cmt to surface. 2nd stg w/ 375 sx w/ 8% gel. TOC 4250' per temp survey. |
| GL: | 3794.5' |
| RKB: | 3807.5' (13' above GL) |
| TD: | 9555' |
| PBTD: | 9551' original (shoe), 9162' current (CIBP set 2/22/2012) |
| Perforations: | Wolfcamp 9478'-9530' (312h), squeezed- Mod K CR at 9468', 75 sx- 30 sx in formation, 9415'-9458' (258h), 9240'-9385' and 9090'-9210' (1590h total). Perfs 9090'-9458' were squeezed 05/1974. Reperforated 9100'-9140', 2 jspf (current perfs) |

1. Make sure mast anchors have been tested and tagged within the last 24 months.
2. Notify NMOCD of intent to proceed with plugging job 72 hours prior to starting work. Confirm with Midland office (Addison Long/Jimmy Carlile) that pit permits have been obtained.
3. Set rig mats, 2 sets pipe racks, and catwalk. Set steel pit and lay lines. Be sure to have plenty of sugar on hand to keep cement from setting up in pit.
4. RUPU. POW with rods and pump. LD all rods and send pump in for inspection.
5. NDWH, NU 3k manual BOP, and release TAC. POW with tubing. Tally and stand back in derrick.
6. RUWL. RIW with 4.5" gauge ring and junk basket to 9075'. If obstruction is encountered notify Midland office. POW.
7. RIW with 5-1/2" 10k CIBP and set plug at 9050'. POW and PU dump bailer. Dump 35' cmt on top of CIBP. POW and RDWL.
8. RIW with 2-7/8" perforated sub and 2-7/8" EUE 8rd N-80 tubing from derrick open-ended and tag cement on top of CIBP at +/- 9015'. Pressure test csg.
9. Pick up 5' and pump enough mud laden brine with 12.5 lbs gel/bbl to bring top of mud up to 7790' (+/- 29 bbls).
10. POW and LD tubing with EOT at +/-7790'.
11. Pump enough mud laden brine with 12.5 lbs gel/bbl to bring top of mud up to 4730', followed by a 5 bbl fw spacer ahead of cement. Mix and spot 25 sx Class "H" cement (15.6 ppg, 1.18

ft³/sx yield) at 7790'. TOC should be +/- 7570'. Stand back 3000' of tubing in derrick and WOC 4 hours.

12. RIW with tubing and tag cement. Notify Midland office and NMOCD of results. If TOC is below 7640', mix and spot additional cement to achieve noted TOC.
13. POW and LD tubing to put EOT at 4730'.
14. Pump enough mud laden brine with 12.5 lbs gel/bbl to bring top of mud up to 2100', followed by a 5 bbl fw spacer ahead of cement. Mix and spot 25 sx Class "C" (14.8 ppg, 1.32 ft3/sx yield) with 2% $CaCl_2$ at 4730'. TOC should be +/- 4510'. Stand back 3000' of tubing in derrick and WOC 4 hours.
15. RIW with tubing and tag cement. Notify Midland office and NMOCD of results. If TOC is below 4599', mix and spot additional cement to achieve noted TOC. ← Base Salt Plug
16. POW and LD all but 1600' of tubing. Stand back remainder in derrick. Perf @ 3100, SQZ w/30SX WOC & TAG
17. RUWL. RIW and perforate 5-1/2" casing at 2120' (4 holes, 1 jspf). POW and confirm shots fired. T. ANHY
18. RIW with 5-1/2" tension packer, SN, and tubing. Set packer at 1600'.
19. With 8-5/8" casing valve open to tank, attempt to establish circulation through squeeze perforations out 5-1/2" x 8-5/8" annulus.
20. Mix and spot 30 sx Class "C" with 2% $CaCl_2$ and displace to put TOC at +/- 1950' (plug should be 100' inside 5-1/2" casing and 100' in 5-1/2" x 8-5/8" annulus).
21. Release packer and POW standing back tubing in derrick. WOC 4 hours.
22. RIW with 2-3/8" perforated sub, 5-1/2" tension packer, SN, and tubing. Tag TOC and notify Midland office and NMOCD of results. If TOC is below 2020', mix and spot additional cement to achieve noted TOC.
23. Pick up 5' and displace well with mud laden brine with 12.5 lbs gel/bbl. POW with tubing and packer.
24. RUWL. RIW and perforate 5-1/2" casing at 450' (4 holes, 1 jspf). POW and confirm shots fired. RDWL.
25. RIW with tension packer and 1 jt tubing. Set packer.
26. Establish circulation out 5-1/2" x 8-5/8" annulus. Mix and pump Class "C" cement until cement is brought to surface out 5-1/2" x 8-5/8" annulus. POW with tubing and packer and back fill 5-1/2" casing with cement if necessary.
27. ND BOP, RDPU and clean location.
28. Empty steel pit, cut off mast anchors, release all rental equipment.
29. Cut off casing 3' below ground level. VERIFY CMT TO SURFACE ALL STRINGS
30. Weld cap and dry hole marker on top of 13-3/8" casing stub. Install 1" 2000 psi ball valve on top of dry hole marker plate. Marker plate should contain the following information: Fasken Oil and Ranch, Ltd. Denton No. 11, Section 11, T15S, R37E, 659' FNL & 1837' FEL, Unit B.
31. Clean location and remediate per NMOCD requirements.

## Denton No. 11
**Fasken Oil and Ranch, Ltd.**

Location: 659' FNL, 1837' FEL
Sec 11, T15S, R37E
Lea County, New Mexico
Compl.: 22-Mar-52
API #: 30-025-05298
IP: 400 BOPD + 0 BWPD
TD: 9555'
PBTD: CIBP @ 9162'
Casing: 13-3/8", 27.3, 48# Armco Spiral Weld @ 351.68'
Cmt 350 sx
TOC surf
8-5/8", 24, 28 & 32# J-55, H-40 @ 4649'
Cmt 2450 sx 8% gel + 150 sx neat
TOC surf
5-1/2" 14, 15.5, 17# J-55, N-80 @ 9,552.31'
Cmt 1st stg 175sx 8% gel+100sx 4% gel
Circ 50 sx thru DV
Cmt 2nd stg w/375 sx 8% gel
TOC 4250' by temp survey
DV: 7690'

**Initial Completion Well Test**

9478-9530' - A 500 gal. Swb 4 BW, dry
9415'-9458' - Swb 8BO. A 500gal, Swb 15BO dry. A 1500 gal Swb 65BO
9090'-9210' - Flw 87BO. A 500gal. Flw 247BO 15hr
9240'-9385' - A 1000 gal. Flw 87 BO

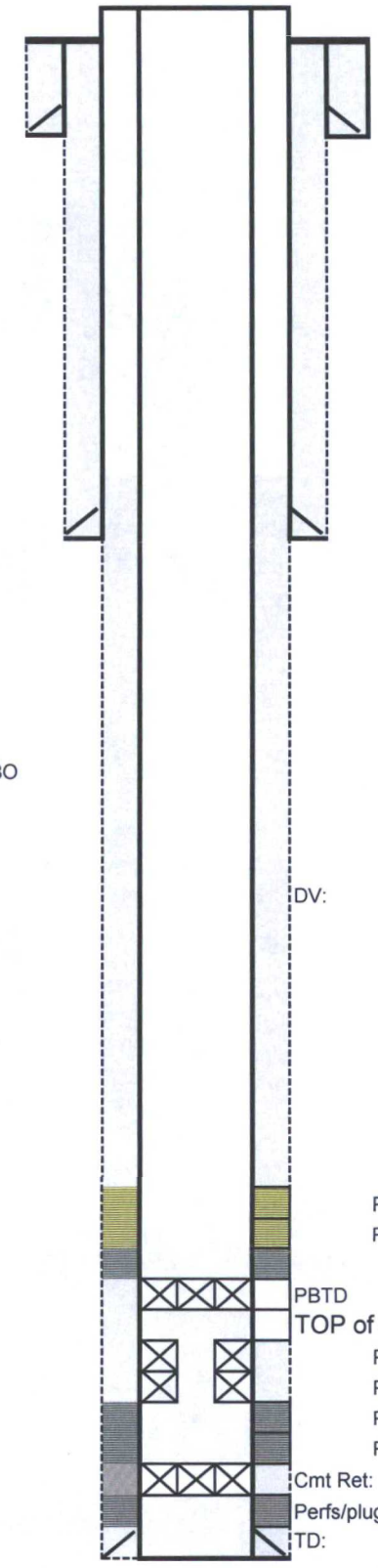
**Hole Sizes**

17-1/4" 0'-352'
11" 352'-4650'
7-7/8" 4650'-9555'

Packer: Baker 415-D @ 9225' (4-16-52)
Baker 415-D-4 pushed to 9225' (4/29/74)

Perfs/plugs:
9100'-9140' reperf (80h 5-3-74)
9090'-9210' Sqzd 45sx (870h 4-15-52)
9240'-9385' Sqz 45 sx (720h 4-15-52)
9415'-9458' sqzd 13 sx (258h 4-6-52)
Cmt Ret: 9468'
9478'-9530 sqzd 30sx (312h 3-28-52)

9100'-9140' - 0BOPD + 300BWPD 9-9-75. SI
Return to prod 03/2012- 5 BOPD + 800 BWPD



**Current**
As of: 9/1/16
DF: 3805'

13-3/8", 27.3, 48# Armco Spiral Weld @ 351.68'
Cmt 350 sx
TOC surf

8-5/8", 24, 28 & 32# J-55, H-40 @ 4649'
Cmt 2450 sx 8% gel + 150 sx neat
TOC surf

APPROX. DEPTHS
T. ANHY 2130'
B. SALT 3100'

DV: 7690'

Prf 9090'-9210' Sqzd 45sx
Prf 9100'-9140' reperf

PBTD CIBP @ 9162'
TOP of SQZ CMT @ 9170'

Pkr Baker 415-D-4 pushed to 9225' (4/29/74)
Pkr Baker 415-D @ 9225' (4-16-52)
Prf 9240'-9385' Sqz 45 sx
Prf 9415'-9458' sqzd 13 sx

Cmt Ret: 9468'
Perfs/plugs: 9478'-9530 sqzd 30sx
TD: 9555'

5-1/2" 14, 15.5, 17# J-55, N-80 @ 9,552.31'
TOC 4250' by temp survey

## Denton No. 11
**Fasken Oil and Ranch, Ltd.**

Location: 659' FNL, 1837' FEL
Sec 11, T15S, R37E
Lea County, New Mexico
Compl.: 22-Mar-52
API #: 30-025-05298
IP: 400 BOPD + 0 BWPD
TD: 9555'
PBTD: CIBP @ 9162'
Casing: 13-3/8", 27.3, 48# Armco Spiral Weld @ 351.68'
Cmt 350 sx
TOC surf
8-5/8", 24, 28 & 32# J-55, H-40 @ 4649'
Cmt 2450 sx 8% gel + 150 sx neat
TOC surf
5-1/2" 14, 15.5, 17# J-55, N-80 @ 9,552.31'
Cmt 1st stg 175sx 8% gel+100sx 4% gel
Circ 50 sx thru DV
Cmt 2nd stg w/375 sx 8% gel
TOC 4250' by temp survey
DV: 7690'

**Initial Completion Well Test**
9478-9530' - A 500 gal. Swb 4 BW, dry
9415'-9458' - Swb 8BO. A 500gal, Swb 15BO dry. A 1500 gal Swb 65BO
9090'-9210' - Flw 87BO. A 500gal. Flw 247BO 15hr
9240'-9385' - A 1000 gal. Flw 87 BO

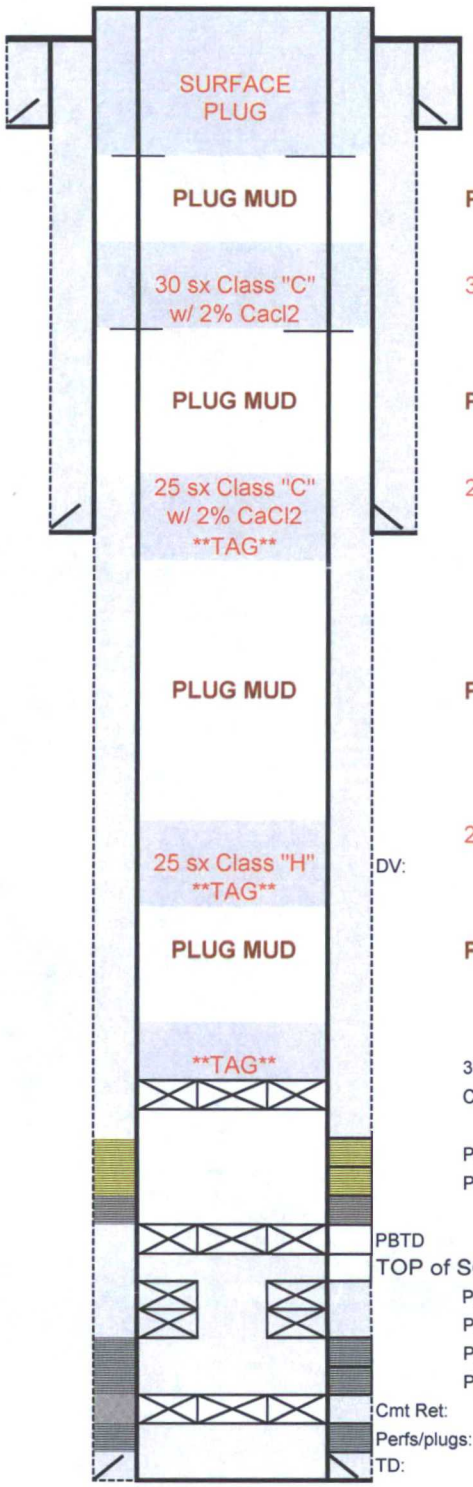
**Hole Sizes**

| | |
|---|---|
| 17-1/4" | 0'-352' |
| 11" | 352'-4650' |
| 7-7/8" | 4650'-9555' |

Packer: Baker 415-D @ 9225' (4-16-52)
Baker 415-D-4 pushed to 9225' (4/29/74)

Perfs/plugs:
9100'-9140' reperf (80h 5-3-74)
9090'-9210' Sqzd 45sx (870h 4-15-52)
9240'-9385' Sqz 45 sx (720h 4-15-52)
9415'-9458' sqzd 13 sx (258h 4-6-52)
Cmt Ret: 9468'
9478'-9530 sqzd 30sx (312h 3-28-52)

9100'-9140' - 0BOPD + 300BWPD 9-9-75. SI
Return to prod 03/2012- 5 BOPD + 800 BWPD




PROPOSED
As of: 9/28/16
DF: 3805'

13-3/8", 27.3, 48# Armco Spiral Weld @ 351.68'
Cmt 350 sx
**TOC surf**
4 squeeze holes 450'
**PLUG MUD FROM 1950'-450'**

30 sx "C" from 1950'-2120'
4 squeeze holes 2120'
**PLUG MUD FROM 2120'-4510'**

25 sx "C" from 4510'-4730'
8-5/8", 24, 28 & 32# J-55, H-40 @ 4649'
Cmt 2450 sx 8% gel + 150 sx neat
**TOC surf**
**PLUG MUD FROM 4730'-7570'**

25 sx "H" from 7570'-7790' (+/- 220')
DV: 7690'
**PLUG MUD FROM 7790'-9015'**

35' dump bailed cmt
CIBP to be set @ 9050'

Prf 9090'-9210' Sqzd 45sx
Prf 9100'-9140' reperf

PBTD CIBP @ 9162'
TOP of SQZ CMT @ 9170'
Pkr Baker 415-D-4 pushed to 9225' (4/29/74)
Pkr Baker 415-D @ 9225' (4-16-52)
Prf 9240'-9385' Sqz 45 sx
Prf 9415'-9458' sqzd 13 sx
Cmt Ret: 9468'
Perfs/plugs: 9478'-9530 sqzd 30sx
TD: 9555'
5-1/2" 14, 15.5, 17# J-55, N-80 @ 9,552.31'
**TOC 4250' by temp survey**