

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

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

Form C-103  
Revised July 18, 2013

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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	7. Lease Name or Unit Agreement Name Lottie York
2. Name of Operator Fasken Oil and Ranch, Ltd. ✓	8. Well Number 2
3. Address of Operator 6101 Holiday Hill Road, Midland, Tx, 79707	9. OGRID Number 151416
4. Well Location Unit Letter <u>J</u> : <u>1650'</u> feet from the <u>South</u> line and <u>1650'</u> feet from the <u>East</u> line Section <u>14</u> Township <u>17S</u> Range <u>37E</u> NMPM County <u>Lea</u>	10. Pool name or Wildcat Southwest Humble City; Strawn
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>3576' GR</u>	

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 ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: ☐

RE INT TO PA  
CC P&A NR  
CA RBDMS P&A R  
TA

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 Lottie York No. 2 as proposed on the attached procedure. Also attached is the proposed wellbore diagram.

NOTE CHANGES IN INTENT TO P&A

NOTIFY OCD 24 HOURS PRIOR TO BEGINNING  
PLUGGING OPERATIONS

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 Addison Long TITLE Regulatory Analyst DATE 2-2-2016

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

For State Use Only

APPROVED BY: Mark Whitaker TITLE Petroleum Engr. Specialist DATE 02/08/2016

Conditions of Approval (if any):

FEB 08 2016

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Lottie York No. 2  
A.F.E. No. 3329  
1650' FSL & 1650' FEL, Unit J  
Sec. 14, T17S, R37E  
Lea County, NM  
Elevation: 3730.7'

<b>OBJECTIVE:</b>	Plug and Abandon
<b>WELL DATA:</b>	
13-3/8" 61# K-55:	Set at 450'. Cmdt w/ 450 sx "C". TOC surface.
8-5/8" 24# & 28# S-80:	Set at 4805'. Cmdt w/ 1400 sx HLC + 300 sx "C" neat. Did not circulate. Ran 200' of 1" tubing down annulus and tagged. Pumped 75 sx cmt and circulated to surface.
5-1/2" 17# J-55 & N-80:	Set at 11,742'. Cmdt w/ 455 sx "H" (15.6 ppg, 1.18 ft <sup>3</sup> /sk). TOC 10,230' per CBL.
KB:	17' above GL
TD:	11,742'
PBTD:	11,696' orig, 11,365' (CIBP + 35' cmt 01/07)
Perforations:	Strawn 11,477'-81', 11,499'-11,501' (2 spf, 16 holes- 04/83), 11,515', 11,519', 11,521', 11,527', 11,529', 11,535', 11,537', 11,539' (2 spf, 16 holes- 04/83). Reperforated same interval 08/90)
Casing Leaks:	04/90- 7049'-79'. Circ 2% KCl through 8-5/8" csg 4 bpm 900 psi. Sqz, test to 1000 psi, ok. 06/94- 9396'-9402', swaged out tight spot and sqz w/ 100 sx "H", test to 1100 psi, ok. 09/03- Milled tight spot 9399'-9402'. Test 500 psi, ok. Swab test all, ok.
Tubing:	363 jts EUE 8rd N-80 open-ended at 11,277'. Well circulated with 300 bbl 2% KCl water.

1. Test mast anchors.
2. Notify OCD of intent to proceed with plugging job 72 hours prior to starting work.
3. Set rig mats, 2 sets pipe racks, and catwalk.
4. RUPU and plugging equipment. Set steel pit and lay lines. Make sure to have plenty of sugar on hand to put in cement to keep from setting up in pit. Should have at least 30 pounds on location.
5. RU pump truck on tubing and spot 45 bbls 9.5 ppg salt mud with 12.5 lbs gel per barrel 11,277'-9400'. This places mud above the next plug depth of 9400' (Old squeezed casing leak). *TAG CIBP and circulate mud from that point to 9400'.*
6. NDWH and install 3k manual BOP with 2-7/8" rams.
7. POW with 2-7/8" EUE 8rd N-80 tbg laying down +/-1300' (42 jts).
8. RIW w/ 4' 2-7/8" perforated sub, 12 joints (about 370') 2-7/8" EUE 8rd N-80 tubing tailpipe, 5-1/2" HD packer, SN, 2-7/8" EUE 8rd N-80 tubing testing to 4000 psi above the slips. Set packer at 9600' with EOT @ +/-9970'. Pressure to 500 psi to test CIBP @ 11,400' while monitoring 2-7/8" x 5-1/2" annulus.
9. After successful test, release packer, POW laying down 24 jts tubing. Set packer at 8830' to place EOT @ +/-9220'. Pressure to 500 psi to test old casing leak.

Plug 2 • POOH to 9452'. Spot 25 sx class 'H'. WOC & TAG  
• CIRC. mud to 7079'

Plug 3 • POOH to 7129'. Spot 25 sx class 'C'. WOC & TAG



- If old casing leak does not test ok, establish injection rate and pressure into old squeeze and report results to Midland office.
  - If old casing leak 9396'-9402' tests good, petition NMOCD to forego squeeze and spot 25 sx "C" at 9350'. Pressure test annulus to 500 psi (expect same leakoff as on MIT test Dec 2015).
- 10. \*Assuming leak must be squeezed- PLUG2:** RU cement pump truck. Mix and pump 40sx Class "C" cement. Displace cement to 9250' (leaving +/-150' cement above squeeze holes). NMOCD requires minimum 25sx or 100 feet whichever is greater. Release packer, POW with 6 stands, reverse circulate with 10 bbls water.
- 11.** WOC 2-3 hours. RIW and tag cement at +/- 9250'.
- 12.** RU pump truck and spot 56 bbls 9.5 ppg salt mud with 12.5 lbs gel per barrel 9250'-6850'.
- 13.** POW laying down +/-2120' (68 jts) of tubing. Set packer at +/-6480' (EOT +/-6850'; csg leak 7049'-79'). Pressure test below packer to 500 psi.
- If old casing leak does not test ok, establish injection rate and pressure into old squeeze and report results to Midland office.
  - If casing leak 7049'-79' tests good petition NMOCD to forego squeeze and spot 25 sx "C" at 7129'.
- 14. \*Assuming leak must be squeezed- PLUG3:** RU cement pump truck. Mix and pump 40 sx Class "C" cement. Displace cement to 6900'. Release packer, POW with 6 stands, reverse circulate with 10 bbls water
- 15.** WOC 2-3 hours. RIW and tag cement @ +/- 6900'.
- 14,16.** RU pump truck and spot 49 bbls 9.5 ppg salt mud with 12.5 lbs gel per barrel from 6900'-4800'. POW laying down tubing to place EOT @ 4860'.
- 17. PLUG4:** Mix and spot 25 sx Class "C" cement. Displace cement to perform balance spot and POW with 6 stands tubing. 30
- 18.** WOC 2-3 hours. RIW and tag cement, making sure cement top is at least 50' above 8-5/8" casing shoe @ 4805'. Notify Midland office of tag depth.
- 15,19.** RU pump truck and circulate well with 9.5 ppg salt mud with 12.5 lbs of gel per barrel.
- 20.** POW laying down tubing with EOT at 2360'-2260'.
- 21.** RU wireline company with 3k lubricator. RIW with 1-11/16" strip gun and perforate 5-1/2" casing at 2360'. POW and RD wireline company.
- 16,22.** Set packer and establish conventional circulation with 8-5/8" casing valve open and plumbed into steel tank.
- 17,23. PLUG5:** RU cement pump truck, mix Mix and spot 30-30 sx Class "C" cement from +/- 2360' to 2260' for "Top of Salt plug". Displace cement to EOT @ 2260' (plug should be at least 100' inside 5-1/2" casing and 100' in 5-1/2" x 8-5/8" annulus).
- 18,24.** POW laying down tubing and packer.
- 19,25.** RIW with 4' perforated sub and 2-7/8" tubing to 500'.
- 20,26. PLUG6:** RU pump truck, mix and spot 40 +/- 50 sx Class "C" cement from +/- 500' to 360' surface for 13-3/8" shoe plug and surface plug. POW and LD all tubing. Top off casing with cement if necessary.
- 21,27.** ND BOP, RDPU and clean location.
- 22,28.** Empty steel pit, cut off mast anchors, release all rental equipment.
- 23,29.** Cut off casing 3' below ground level.

Circulate hole w/ mud laden fluid after tag & test csg to 500psi

Perf & Attempt to SQZ @ 4855' WOC & TAG \*

\* If unable to SQZ @ 4855 we will add a base of salt plug at 3250'.

Perf & SQZ @ 2150' WOC & TAG

Perforate & Circ cmt. to surface from 500' inside/ outside 5 1/2 csg.

| ~~24.30.~~ Weld plate onto casing with marker joint with the following information. Fasken Oil & Ranch Ltd., Lottie York No. 2, Section 14, T17S, R37E, 1650' FSL and 1650' FEL, Unit J.

| ~~25.31.~~ Clean location and remediate per OCD requirements.

CWB/CLH/SRF



**Lottie York No. 2**  
Fasken Oil and Ranch, Ltd.

PROPOSED P&A 1-29-16

Failed MIT Test

Location: 1650' FEL, 1650' FSL, Unit J  
Sec 14, T17S, R37E  
Lea County, New Mexico

API #: 30-025-28111

IP:

TD: 11,742'

PBTD: 11365' (CIBP@11400'/w35'cmt 1-19-14);  
Orig 11696.23' (FC)

Casing: 13-3/8" 61#/ft K-55 ST&C @ 450'  
Set at 450.00' KB Cmt w/450 sx "C"  
TOC surf.  
8-5/8" 24&28#/ft S-80 ST&C @ 4805.00'  
Cmt w/1400sx HLC+15% salt+ 300sx  
Class "C", 1" w/75sx "C" from 200',  
TOC surf, Circ 2sx to surf.  
5-1/2" 17#/ft J-55&N-80 LT&C @ 11742'  
(J-55 from 2450' to 7764')  
Cmt w/455 sx "H"  
TOC 10230' by CBL

Plug6 Shoe + surface +/-50 sx "C", 500'-surface

Plug5 Salt 30sx "C", 2360'-2260'

Plug4 Int. Shoe 25 sx "C" 4855'-4755' TAG

Plug3 Resqz 7049'-79' w/40sx "C" TAG

Plug2 Resqz 9396'-9402' w/40sx "C" TAG

Plug1 CIBP 11400' w/35' cmt, PBTD 11,365'

Perfs:

Strawn

11477'-81' (4h Aug83 & 9h Aug90)

11499'-11501' (7h Aug83 & 3h Aug90)

11515'-39' (8h Aug83 & 49h Aug90)

Pkr fish: +/-11,690'

Otis PW pkr left on btm 7-25-83

Hole size: 7-7/8"

GL: 3731'

KB: 3748'

Rustler 2240' est

Top Salt 2355' est

San Andres 5280'

Glorieta 7008'

Yeso 7171'

Tub 8146'

Clearfork 8430'

Bone Sprg 9466'

Abo 9818'

Wolfcamp 9958'

Wlfcmp Detr 10987'

Canyon 11,328'

Strawn 11418'

Atoka 11684'

Plug6 Shoe + surface +/-50 sx "C", 500'-surface  
13-3/8" 61#/ft K-55 ST&C @ 450'  
TOC surf.

Plug5 Salt 30sx "C", 2360'-2260'

Plug4 Int. Shoe 25 sx "C" 4855'-4755' TAG

8-5/8" 24&28#/ft S-80 ST&C @ 4805.00'  
TOC surf, Circ 2sx to surf.

Plug3 Resqz 7049'-79' w/40sx "C" TAG

April 1990: 7049'-79' sqz  
9-9-03 tested to 500 psi 15 min ok

Plug2 Resqz 9396'-9402' w/40sx "C" TAG

June 1994 - 9396'-9402'  
swaged out casing 9396'-9402',  
retrieved fish, squeeze with 100 sx "H".  
9-5-03 milled title spot 9399.52'-9402'

TOC 10230' by CBL

Plug1 CIBP 11400' w/35' cmt 1/19/2007  
11477'-11539'

Pkr fish: +/-11,690'

PBTD: Orig 11696.23' (FC)  
TD: 11,742'

ANY 2100'

B.SALT 3200'

TOC 5200' CALL

