

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

Form C-103
Revised July 18, 2013

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

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.)		WELL API NO. 30-025-05306
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other SWD		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Fasken Oil and Ranch, Ltd.		6. State Oil & Gas Lease No.
3. Address of Operator 6101 Holiday Hill Road, Midland, TX 79707		7. Lease Name or Unit Agreement Name Denton SWD
4. Well Location Unit Letter <u>M</u> : <u>330</u> feet from the <u>South</u> line and <u>330</u> feet from the <u>West</u> line Section <u>12</u> Township <u>15S</u> Range <u>37E</u> NMPM County <u>Lea</u>		8. Well Number <u>3</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3576' GR		9. OGRID Number 151416
		10. Pool name or Wildcat SWD; Wolfcamp-Penn-Miss-Devonian

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: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☒ Repair Csg. Leak & return to Inj.

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.

7-11-14 - 8-30-14

MIRU. RU Renegade Wireline, RIW w/ 2.81" blanking plug, tagged packer at 9335', RU reverse unit on 4-1/2" tubing and seated plug w/ 350 psi. Sheared off blanking plug, POW, RD Renegade Wireline, pressure tested plug to 1000 psi f/ 30" on chart recorder w/ no loss of pressure. Set 7" RBP at 9325', POW to 9315' and set 7" packer. RU reverse unit on tubing, loaded well w/ 3 bbw (FL 518'), tested packer and plug to 1500 psi f/ 15" w/ no loss of pressure. Released packer, POW to 9190', set packer, tested old squeeze holes f/ 9220' - 9325' to 500 psi f/ 10" w/ no loss of pressure. RU chart recorder on reverse unit, pressure tested casing to 500 psi with a loss of 80 psi in 10". RU reverse unit on tubing, pressure tested old Wolfcamp squeeze f/ 9220' - 9325' w/ packer set at 9190' to 500 psi w/ no loss of pressure. Please see Sundry Notice attachment for additional information.

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 Kim Tyson TITLE Regulatory Analyst DATE 10-20-2014

Type or print name Kim Tyson E-mail address: kimt@forl.com PHONE: 432-687-1777

For State Use Only

APPROVED BY: Bill Senanake TITLE Staff Manager DATE 10/24/2014

Conditions of Approval (if any):

OCT 27 2014

Well: Denton SWD No. 3

Operator: Fasken Oil and Ranch, Ltd.

Location: 330' FSL and 330' FWL

Sec 12, T15S, R37E

Lea County, NM

Spud: 2/3/1953

API #: 30-025-30336

TD: 10,100'

PBTD: 10,093' Bullplug on end of 3-1/2" liner

Casing: 13-3/8" 48# H40 @ 406'

400 sx

TOC surf

9-5/8" 36# & 40# K-55 @ 4784' KB

3000 sx

Calc TOC @ surf

7" Liner @ 4573' - 9427'

225 sx

Calc TOC @ 7660'

as of 9-3-14

Packer:

1/9/2009 7"x3-1/2" Arrowset 1X NP Inj pkr 10.00

w/2.81" "F" SS pn @ 9346.93

Tubing: 1-5.187"x3-1/2" NP TOSSD w/5.81" guided sk 1.75

9/4/2014 1-5"x3-1/2" EUE 8rd pinx4-1/2" LT&Cbox SS x 0.84

215-4-1/2" 11.60#J-55 IC101 IPC tubing 9306.67

1-4-1/2 11.60# L-80 IC101 IPC tubing sub 19.67

KB 18.00

Total 9356.93

Liner/Tailpipe:

738' of 3-1/2" 2K Star slotted fiberglass liner w/ bp on btm @ 10,093'

(Hanging from packer @ 9,371')

Perfs:

Wolfcamp 9220' - 9300'

Sqzd 5-26-88 w/ 150 sx Class "H" w/5 Hafad-9 and 3% salt

Pennsylvanian 9427' - 10,100'

Open hole treated w/ 10,000 gals 15% NEFE with 1500# rock salt

GL: 3773'

KB: 3793'

13-3/8" 48# H40 @ 406'

cmt w/ 400 sx, TOC surface

7/30/14:

Csg lk 967'-98'. Sqz w/500 gal Flocheck+250 sx Class "C" w/2% CaCl2.

2/14/09 Sqz'd csg leak from 977'-1073' w/ 200 sx Class

C w/ 2% CaCl2 and resqz'd with 50 sx Micro Matrix

Top of 7" Liner @ 4573'

9-5/8" 36# & 40# K-55 @ 4784' KB

cmt with 3000 sx, Calc TOC @ surface

1/29-2/13/2000: 6204'-6454'

1. Sqzd w/ 100 sx 60-40 Poz-Fly ash "C"

4% MPA-1.5% salt, 3/4% BA-10 (13.8ppg, 1.37yield)

@ 2 bpm & 2000 psi. Drld out, press to 500 psi,

lost 30 psi in 30 minutes

2. Sqzd w/ 100 sx 60-40 Poz "C" w/ 5% salt, 4% MPA-1

0.75% BA-10 (13.8 ppg, 1.37 yield) @ 2 bpm & 2000#

Drld out, press to 500#, gained 100# in 10 minutes.

3. Sqzd w/ 100 sx 60-40 Poz-Fly ash "C"

4% MPA-5% salt, 3/4% BA-10 (13.8ppg, 1.37yield)

@ 2/10 bpm @ 1950 psi. Drld out, press to 500 psi

held for 30". Re-test below 6,386', gained 10 psi in 15".

Wolfcamp Perforations

9220' - 9300'

sqzd w/ 150 sx Class "H" on 5-26-88

2/20/09 sqz'd w/ 36 sx Micro Matrix

7"x3-1/2" Arrowset 1X pkr w/ 2.81" F SS pn @ 9347-9357

4-1/2" x 7" NP Baker lokset packer @ 9371'

7" Liner @ 4573' - 9427'

Hole Sizes: 17-1/2" Surf-406', 12-14" 406'-4784', 8-3/4" 4784'-9427', 6" 9427'-10,100'

Status: 4000 bwpd @ 600 psi.

3-1/2" FG slotted liner in openhole from 9349' - 10,093'

PBTD: 10,093' Bullplug on end of 3-1/2" liner

TD: 10,100'

HOBBS OCD

OCT 22 2014

RECEIVED

Fasken Oil and Ranch, Ltd.
Denton SWD No. 3
API No. 30-025-05306
Repair Casing Leak & Return to Injection
Sundry Notice Attachment

7-11-14 – 8-30-14

POW w/ 2-7/8" tubing while isolating casing leak in 7" casing and isolated leak f/ 5122' - 5154'. RU reverse unit on tubing and tried to get injection rate into leak at 1/4 bpm without success. With 1/2 bbw pumped, well pressured up to 1050 psi, observed pressure bled off 200 psi in 15". Pressured back up on leak several times w/ same results. Note: While packer set at 4621', 26' inside 7" liner, loaded 9-5/8" casing w/ 10 bbw (FL 144'), tested 9-5/8" casing and liner top to 500 psi for 10" with a loss of 80 psi, possible leak indicated in 9-5/8" casing. Had problems with tools used to test casing. Note: Capitan Wireline set to run casing inspection log 7-23-14. RU Capitan Wireline, RIW w/ 60 arm Multi-Sensor Caliper Log w/ MT tool, tagged top of RBP at 9336', opened tool and logged well from 9336' to top of 7" liner at 4596'. Closed tool, POW and RD Capitan Wireline. Observed casing to have light to medium pits w/ a possible hole in collar 5140'. Attempted to set RBP at different intervals without success. RBP became stuck and was finally pulled free. RIW w/ RBP retrieving tool, 4' x 2-7/8" tubing sub, 7" HD packer w/ 6.0" gauge rings, 2-7/8" seating nipple, 164 joints 2-7/8" tubing and set packer at 5154'. RU reverse unit on tubing and pressured 7" casing to RBP set at 9325' to 500 psi w/ a loss of 5 psi in 5" and released packer. POW to 5122', RU reverse unit on tubing, pressure tested 7" casing to RBP at 500 psi for 10" with a loss of 10 psi. RU reverse unit on 9-5/8" casing, loaded well w/ 1/2 bbw, pressure tested casing to surface at 500 psi for 5" with a loss of 60 psi. Released packer, POW to 5091', set packer, RU reverse unit on tubing, pressure tested to RBP w/ 500 psi f/ 10" w/ a loss of 10 psi. Released packer, POW to 4621', 26' from TOL at 4595', set packer, RU reverse unit on tubing and tested to RBP at 500 psi f/ 25" with a loss of 15 psi, contacted Midland office w/ results, all testing recorded with chart recorder. Released packer, POW and LD 7" packer. ND 11" spool and BOP, RIW w/ 9-5/8" 32A tension packer and 2 joints 2-7/8" tubing, NU 11" spool and BOP, finished RIW w/ 70 joints 2-7/8" tubing to 2218' and set packer. RU reverse unit on tubing, tested casing to RBP to 500 psi for 15" w/ a loss of 5 psi. RU reverse unit on 9-5/8" casing, loaded well w/ 6.7 bbw (FL-96' FS), packer at 2218' FS and pressure tested to surface to 500 psi w/ 40 psi loss in pressure 2". Released packer, isolated hole in 9-5/8" casing from 967'-998', pressure tested casing from 967' to surface to 500 psi f/ 15" with a loss of 5 psi. RIW to 1093', set packer, pressure tested casing to RBP to 500 psi f/ 35" w/ 10 psi loss. Released packer, POW, ND 11" spool and BOP and stood packer in derrick, RIW w/ 9-5/8" Arrowset I w/ equalization valve, 1 joint 2-7/8" tubing, NU 11" spool and BOP, finished RIW w/ 55 joints 2-7/8" tubing to 1748', 750' below bottom of hole at 998', set RBP, disengaged retrieving tool, POW and LD retrieving tool. ND 11" spool and BOP, RIW w/ 9-5/8" 32A tension packer w/ 9.50' FG sub tailpipe, 2-7/8" seating nipple, 2 joints 2-7/8" tubing, NU 11" spool and BOP, finished RIW w/ 54 joints 2-7/8" tubing to 1719' and set packer. RU reverse unit on tubing, tested RBP to 2000 psi f/ 10" with no loss of pressure, released packer, spotted 550#, 12.6', 20/40 sand on top of RBP, POW w/ 9-5/8" packer to 840', 127' above top of hole at 967', left packer swinging, SWI and SDON. POW w/ 2 joints 2-7/8" tubing to 778' w/ EOT at 787', set packer and tested to 500 psi, closed casing valve bled pressure off and observed valve leaking, replaced valve and trapped 500 psi on casing. Squeeze hole in 9 5/8" casing from 967' - 998' w/ 250 sx class "C" + 2% CaCl₂ (s.w. 14.8 ppg, yield 1.33 cuft/sk). Well SI, WOC. Tagged TOC @ 828', drilled cement from 828'-973'. Fell out of good cement and drilled stringers to 985' and circulated well clean. Pressure tested casing to 440 psi f/ 10" w/ no loss of pressure. Tested to 460 psi on chart



recorder f/ 40" with 5 psi increase in pressure and contacted Midland office w/ results. Tagged top of sand at 1739'. Established reverse circulation, washed sand off RBP at 1748' and circulated well clean. POW with RBP. NU 11" spool and BOP, RIW w/ 7" retrieving tool to 9315', RU reverse unit on casing, installed TIW valve on tubing, pressured casing to 450 psi f/ 10" w/ no loss of pressure, RU chart recorder, charted 410 psi f/ 35" w/ a loss of 5 psi, bled pressure off, contacted Midland office w/ results. RIW w/ 1 joint 2-7/8" tubing, tagged 9320', 5' fill on RBP, RU swivel and reverse unit, established reverse circulation, washed fill off RBP and engaged retrieving tool, observed dirty heavy fluid w/ a lot of fine flakey scale, circulated well clean w/ 170 bbw and released RBP. Called for slick OD and ID Texas pattern shoe. Note: Contractor filled frac tank w/ 10# brine water, Endura delivered 220 gals CI 811 and mixed in frac tank. RIW with a total 298 joints 2-7/8" tubing and 5-1/2" smooth OD shoe, tagged at 9335', RU tubing swivel, established reverse circulation, washed to top of injection packer at 9337', top of profile nipple 9336', circulated bottoms up w/ 55 bbw and observed pieces cement, casing, scale and formation. Circulated well clean w/ a total of 320 bbw while working 5-1/2" shoe f/ 9327' - 9337'. POW to 9308' and SD f/ 1 hour. RIW and tagged at 9337', no fill, circulated bottoms up w/ 55 bbw and observed little scale and formation. LD tubing swivel, POW and LD 195 joints 2-7/8" workstring to 3345'. SWI and SDON. Finished POW and LD a total of 302 joints 2-7/8" tubing and 5-1/2" Texas pattern shoe, ND BOP and 11" spool and NU wellhead. Contractor cleaned and jetted reverse pit. Cleaned location and hung barriers around wellhead, RDPU and left on location. Well SI, waiting on injection tubing. RIW w/ 215 jts. - 4-1/2" 11.60# J-55 IC101 IPC tubing @ 9347' w/ packer @ 9335'. RU pump truck on casing, pressured casing to 500 psi f/ 30" with no loss of pressure and bled pressure off. NDWH and 11" spool, NU 11" tubing hanger, landed hanger w/ 20K compression on packer, NUWH and tested to 1000 psi. Note: Contacted NMOCD, Maxey Brown of notice to run MIT test on 9-4-14 at 8:15 a.m. MST on 9-3-14. RU M&S Service pump truck on casing loaded well w/ 1/2 bbw tested casing to 410 psi for 34" with a loss of 10 psi. Test was witnessed and signed off on by Bill Sonnamaker with the NMOCD, bled pressure off and RD pump truck. RU disposal flowline to wellhead, RDPU and cleaned location.

