

Submit 1 Copy To Appropriate District  
Office  
District I - (575) 393-6166  
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

HOBBS OGD

SEP 12 2016

RECEIVED

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

WELL API NO. 30-025-05290
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. NM-18164
7. Lease Name or Unit Agreement Name Denton ✓
8. Well Number 3Y ✓
9. OGRID Number 151416 ✓
10. Pool name or Wildcat Denton; Devonian
4. Well Location Unit Letter <u>B</u> : <u>660'</u> feet from the <u>North</u> line and <u>1940'</u> feet from the <u>East</u> line Section <u>11</u> Township <u>15S</u> Range <u>37E</u> NMPM County <u>Lea</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3974.5' GR

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: Add Perfs/Acidize ☒

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.

Please see attachment for all workover procedures.

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 9/9/16

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 Engineer DATE 09/22/16  
Conditions of Approval (if any):



### Denton 3 – Add perforations and Acidized

7/20/16-9/7/16

Spotted rig on location. Loaded tubing w/ 30 bbls 2% KCl water w/ biocide added, tested plug to 1500 psi for 15" w/ 60 psi loss. Bled tubing down and pressured back up to 1500 psi and lost all pressure in 20 seconds. POW w/ packer and reset 1 jt higher. Attempted to test plug to 1500 psi w/ 450 psi loss in 5". Released packer, RIW, engaged & released plug and set 1 jt deeper. LD 1 jt and set packer. Loaded tubing w/ 16 bbls 2% KCl water w/ biocide added and attempted to test plug again w/ 600 psi loss in 5". Found top element on packer cut w/ ½ of it missing. RIW w/ new BHA as follows, 5-1/2" Kline RBP, retrieving head, 2-3/8" x 4' tubing sub, 5-1/2" Crest packer, XO, SN and 340 jts of tubing. Set RBP @ 10,653' and set packer @ 10,603'. Tested casing from RBP to surface to 540 psi for 35" w/ no pressure loss. Tagged fill at 11,779' (tbg tally) and cleaned out to 11,805'. Drilled RBP to 11,808' and RIW to 12,678' (tbg tally) w/ old PBTD @ 12,687'. Established reverse circulation and drilled hard for 4' then soft for 2.5'. Lost circulation and was unable to clear tbg plug. POW w/ BHA w/ bit swinging @ 11,601'. RIW w/ 32 jts, PU swivel and installed 2-7/8" stripper rubber. Established reverse circulation w/ 116 bbls of 2% KCl water w/ biocide added and drilled to 12,794' (tbg tally). Caught samples from returns w/ cast iron pieces, aluminum and pink color of hydro mite cement. Tested cement with 15% HCl acid with slow reaction. Bit started torqueing up on hard bottom. Pulled up 3' and displaced well w/ 300 bbls 2% KCl water w/ biocide added with clean returns at end of well displacement. LD swivel and POW w/ 240 jts tbg. Left bit swinging @ 5241' FS. Perforated well at (12,779'-12,793')(12,716'-12,766') with 3-1/8" gun, 2 jspf, 120 degree phased, charged with 21.0 gram, 0.42 EH, 42.26" penetration. Total of 132 holes with all shots fired. Set CIBP @ 12,680' and dump bailed 3 sx Class "H" on top and POW w/ 40' bailer. RIW w/ bailer and dump bailed 15 gallons of 15% HCl NEFE DI acid @ 12,339' and POW. RIW w/ full lubricator, 3-1/8" slick gun loaded w/ 2 jspf, 120 degree phased, .50 EH with 46" penetration, and perforated well @ (12,314'-12,340') and (12,263'-12,290'). POW w/ all shots fired and no change in well conditions. Total of 106 holes and RD Wireline. Spotted 500 gallons of 15% HCl NEFE DI acid w/ EOT @ 12,339'. POW w/ packer swinging @ 12,103', reversed 9 bpw and spaced out packer for 20 pts compression. ND BOP and NU flow tree w/ packer set in 20 pts compression. Attempted to break down perforations from 12,263'-12,290' and 12,314'- 12,340' with 2000 psi w/ no break. Notified Midland Office w/ results and given permission to increase pressure to 3000 psi in 100 psi increments w/ no success. RU pump truck, loaded tbg/csg annulus w/ 20 bpw with biocide added and maintained 300 to 500 psi on casing while increasing pressure to 4500 psi. Displaced acid w/ 17 bpw as follows; MIR-1.5 bpm, AIR-0.3 bpm, MIP-4530 psi, AIP-2500 psi, ISIP-4266 psi, 5"-3027 psi, 10"-2711 psi, 15"-2513 psi. Did not break but pumped into formation. RIW w/ tubing and 5-1/2" 10K CIBP and HD packer and set CIBP @ 12,225' FS. RU Petroplex Acidizing trucks, POW and LD 1 jt, set packer and tested CIBP w/ produced water w/ biocide added to 3083 psi for 15" w/ 183 psi loss. Bled off pressure, POW w/ EOT @ 12,159'. Established conventional circulation and pumped 500 gallons 15% NEFE DI HCl on balanced spot. Set packer @ 12,034' and loaded casing w/ 108 bpw w/ biocide added. Maintained and monitored 300-500 psi on casing

throughout acid job. Tested lines to 6500 psi and pumped acid as follows: 1) Pumped 2500 gallons of 15% NEFE DI HCl with Denton Devonian additives as recommended by Petroplex. Dropped 156 7/8" RCN 1.3 gravity ball sealers evenly spaced throughout acid job. RIW and retrieved plug, POW and set plug @ 12,034' and set packer @ 11,937'. Pumped 750 gallons of 15% NEFE DI HCl with Denton Devonian additives as recommended by Petroplex. Dropped 45 7/8" RCN 1.3 gravity ball sealers evenly spaced throughout acid job. RIW and retrieved plug, POW and set plug @ 11,937' and set packer @ 11,851'. Pumped 900 gallons of 15% NEFE DI HCl with Denton Devonian additives as recommended by Petroplex. Did not see a formation break. Dropped 54 7/8" RCN 1.3 gravity ball sealers evenly spaced throughout acid job. Casing pressure was stable @ 500-520 psi during 3rd acid job on perforations 11,882'- 11,900'. Moved packer and set @ 11,761'. Tested lines to 6500 psi and pumped acid as follows: 1) Pumped 1000 gallons of 15% NEFE DI HCl with Denton Devonian additives as recommended by Petroplex. Established rate 5.4 bpm @ 2654 psi Dropped 60 7/8" RCN, 1.3 gravity ball sealers evenly spaced throughout acid job. MIP- 4260 psi, AIP-3465 psi, MIR- 5.4 bpm, AIR-4.4 bpm. ISIP-2467 psi, 5"-1491 psi, 10"-1148 psi, 15"-839 psi. Bled pressure off tubing in 5". Acid treatment showed good diversion with ball action. Released HD packer and RIW and released plug, RIW w/ plug and set @ 12,192'. POW w/ packer and set packer @ 11,761'. RIW w/ production tubing at 9083'. RIW w/ 2.5" x 1.75" x 34-6-2 RHBC pump and rods. Released all rental equipment, cleaned wellhead, location and RDPU.