

RECEIVED

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

AUG 07 2018

WELL APPL NO.

30 015 44414

DISTRICT I - ARTESIA O.O.D. Lease

STATE ☐ FEE ☐

6. State Oil &amp; Gas Lease No.

7. Lease Name or Unit Agreement Name

Striker 2 SWD

8. Well Number 2 #1

9. OGRID Number 372338

10. Pool name or Wildcat

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

NGL Water Solutions Permian LLC

3. Address of Operator

1509 W Wall St Ste 3020 Midland TX

4. Well Location

Unit Letter D : 1025 feet from the N line and 440 feet from the W line

Section 23 Township 24S Range 31E NMPM County Eddy

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

3565 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: ☐

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.

#2 Logging tool failed. TTH w/ Polish mill. Run csg crew 7-17  
 Ran 7518 sandliner set at 11808. Cnt w/ 735x5. Bumped plug  
 at 4:47 on 7-21. Tested good. Rig maintenance. TTH. Tagged top  
 of liner at 11603'. Well started flowing. started well control. set  
 CBP at 11839'. Cnt w/ 150 bbls. See Attached

Spud Date:

4-29-18

Rig Release Date:

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

SIGNATURE

Sarah Jordan

TITLE

Mgr Beg Corp

DATE

8-7-18

Type or print name

Sarah Jordan

E-mail address:

sarah.jordan@niglep.com

PHONE:

432-685-0005

For State Use Only

APPROVED BY:

Accepted for record

MMOCD

TITLE

DATE

8/7/18

Conditions of Approval (if any):

7/30/18

Pump "Well-Loc" and flushes down DP, sting into CCR with 20K set down @ 11,727', begin pumping and at 1,200 psi observed returns, with pressure dropping to 250 psi. Set down to 25K on retainer and try pumping with returns observed. Shut down, continue to set down with decrease in weight on CCR. Pick up 5" single DP and continue to RIH, pick up 15' pup joint and RIH to 11,771', observed 20K set down on CCR
Begin pumping with Halliburton, observed annular and DP pressure continuing to raise to 4,900 psi, with no injection rate. Decision to shut VBR's and try to inject @ 5,800 PSI with no results. Sting out and try to circulate out "Well-Loc, unable to get returns 4,500 @ .5 bbl/per minute, pick up and observed overpull from 220K string weight to 320K overpulls, work pipe with no movement, unable to circulate
Continue to work pipe, calling into Latshaw to approve to pull up to 550K with toolpusher running rig, pull up to 550K, not movement, lay out 15' pup joint, pick up single 5" DP to work pipe, work pipe from 220K to 350K with no results while awaiting Dialog wireline "freepoint tools"
Hold PJSM with Dialog, Latshaw and IPT personnel, rig up "free-point" tools, RIH with "free-point" work pipe and torque at various depths/torque. Find freepoint @ 11,107', POOH with "free-point" tools, make up "string-shot" 700 gram strip, RIH, work pipe, put 12 left hand rotations with 8,800kfp torque in DP, fire charges, observed drop in torque, pull up 2 joints with wireline, continue to rotate DP to left observed DP unscrewed, well began to "U-tube", set down and screw back into "fish", POOH with wireline "string-shot", lay out string shot
Rig down Dialog wireline tools and sheaves. Install cap on top of TDS, back out of "fish", pump slug. Well static
Lay out pup joint, lay out single 5" DP joint, lay out pup joint. POOH from 11,107' - 500' well taking proper fill, well static

7/31/18

Continue to POOH from 500' to surface.
Clean rig while waiting for washpipe shoe to be delivered.
PJSM with rig crew, and fishing tool hand.
Make up washpipe and crossovers.
Trip in hole with 5" drillpipe from 288', to 6332' @ 100-150'/minute.
Rig Service.
Continue to RIH and tag top of fish @ 11,102'.
Wash down over fish and tag top of resin @ 11,247'. Wash down through resin from 11,247' to 11,256'.

8/1/18

Continue to mill resin with washpipe from 11,256' to 11,259'.
Circulate. Mix slug, and prepare to POOH with washpipe assembly.
Pump slug, and POOH from 11,259' to surface.
Service rig.
Lay down washpipe.
Pick up and make up screw in sub, bumper sub, fishing jars, 6 joints 6" drill collars, accelerator. RIH with 5" drillpipe to 10,504'.
Slip and cut drilling line.
Continue to RIH from 10,504' to 11,074'.
Circulate.
Pick up single, RIH tag top of fish at 11,102'. Circulate on top of fish.

8/2/18

Attempted to screw-in to fish at 11,102'; Worked string with 10 rpm and 42 gpm with 225 psi. Observed torque fluctuate between 5-14 kft-lbs
with the occasional spike to 20 kft-lbs. Pumped HiVis sweep which brought back several larger chunks of resin. Continued to work string down to 11,112'. No clear indication of screwing into fish.
Pumped HiVis sweep and observed 4" chunk of resin at shakers with several smaller piece's. Circulated until shakers were clean.
POOH with screw-in sub BHA from 11,112' to surface. Hole taking proper fluid.
Lay down Fish; 4 and half joints (143.49') 4" XT-39, 14#, S-135. Broke down fishing tools and lay out. TOF at 11,243.81'
HPJSM with rig crew and fishing tool hand. Made up washpipe with StarRite shoe and crossovers.
RIH screwing on every stand, U-tubing too bad not able to RIH. Hole displacing proper amount of fluid. RIH to 8,696'

Replace saver sub.

8/3/18

Finished replacing saver sub.
RIH screwing on every stand, U-tubing too bad not able to RIH. Hole displacing proper amount of fluid. RIH to 11,224'.
Washed and reamed down over fish at 11,243.81' and continued to 11,254.56'. Observed torque spikes of 12-16k ft-lbs with pipe stalling.
Picked up and worked string until free. Continued to ream down to 11,256.23'. At this point experienced string stalling several times.
Continued to mill pasted 11,256.23' with various parameters but with no success.
<b>Trouble shoot ground fault on TDS. Found loose connection at VFD house.</b>
Attempted to mill pass 11,256.23' with various parameters but with no success.
Rig service, service top drive
<b>Trouble shoot ground fault on TDS. Wait on 3rd party technician. TDS operational but with a humming sound</b>
Attempted to wash over fish with no luck, made it to 11,255.75' commenced to apply weight 2K up to 8K with 80 RPM
and 200 gpm with 695 psi, sat there for 30 min with no progress, adjusted parameters up to 10 WOB with no luck, PU
and we got hung up @ 11,251' PU to 340K pumping 400 gpm with 2,100 psi work pipe free, continue to work pipe
with 255 - 400 gpm and 1,125 - 2,200 psi as we circulate sweep surface to surface with 7,200 strokes. Condition mud MW 15.2 in/out
Precautionary POOH.

8/4/18

Tripped out of hole from 9831' to wash pipe. Lay down 3 jts wash pipe and shoe. Found all StarBide wore off shoe.
Cleaned and clear rig floor of unnecessary tools and equipment. Mechanic checking drawworks.
Rig service. Mechanic checking drawworks.
Picked and made up to a single joint DP and tested. Good test with 318 gpm at 440 psi. Made up concave mill and watermelon mill to MM and tripped into 10,917'. Filling every 30 stds.
Installed rotating head
Continued to trip in hole. Washed down F/ 11,217' T/ <b>11,249.31' tagged.</b>
Worked pipe up/down several times trying to brake sliver ( if any ). SW 225#
Commenced to mill with 2 points 250 gpm and 50 rpm gradually increasing to 5 points with 1,270 psi with very little diff psi 10-20 psi. @ 11,253.96 stalled MM PU 30# over SW PU 260# increase weight on bit to achieve diff psi weight up to 20K increased gpm to 300 up to 385 gpm with 64 rpm. Adjusted parameters to achieve better penetration, diff up to 90 psi. @ 11,253.96' we PU and was not able to go down we pretty much had to Re-mill again with 4 - 8 points on mill, continue to mill ahead with 385 gpm and 1,861 psi, pumped 30 bbls high vis sweep and we had Resin In returns about 50% resin 50% Metal. @ 11,255.76 MM stalled again when we PU we pulled 70# over SW. PU 290# and when attempted to go down again we were not able to, had to Re-mill spot with 4 - 8 points 45 RPM. After we re-mill it seems to be getting better. Adjusted parameters to achieve better penetration 2 - 22 WOB, 250 - 385 gpm - 45 - 64 RPM, 20 - 100 diff. Milled T/ 11,257.91'

8/5/18

Continued to mill from 11,257.91' to 11,258.10'. Differential pressure and torque reading dropped off. No more progress being
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made.
Tripped out of hole from 11,258' to 1,743'.
Rig service.
Tripped out of the hole from 1,743' to 373'.
Pulled rotating head.
Tripped out of the hole from 373' to surface. Broke mill off and check gauge on watermelon mill.
Observed mill with bond failure. 80% of material bonded to mill body was missing.
Good indication when mill was dressed proper heating and cooling procedures weren't followed.
Weatherford hand also agreed that mill was dressed incorrectly.
Due to mill failure a "junk basket" was sourced from Weatherford in Hobbs.
Made up mill, junk basket and watermelon mill to mud motor and RIH, fill every 30 stands.
PU last stand and washed down to bottom, tagged @ 11,257.47' pumped high vis sweep and circulate above fish pumping 427 gpm with 2,064 psi, when sweep left bit we commenced to mill ahead with 2 points and 300 gpm with 1,247 psi precautionary increasing weight up to 30K with very little to none diff psi, adjusted parameters to achieve better penetration with no progress being made, continue to adjust parameters. No luck no progress being made in 2 hrs. - no diff with 30K WOB.
Trouble shoot and discuss with Tool hand on site and it was decided to POOH. <b>Made it to 11,259.6</b>
Pump 30 bbls high vis sweep and circulate above fish and working pipe trying to recover as much junk as possible.
POOH

8/6/18

Tripped out of hole from 237' to surface. Mill was beginning to core out in center. Broke out concave mill, watermelon mill, junk basket, motor and XO.
Rig service.
Made up RCJB, junk basket and XO to 5" drill pipe.
Tripped in hole tagged @ 11,256'
Condition hole circulating conventional to make sure we had no debris inside basket with 410 gpm and 1,693 psi, stalled out with 10,000 ft/lbs increased torque to 15,000 ft/lbs and continue to stall, PU 30K over SW, continue to pull up with continues grabbing 10K over but able to pull out to 11,241', started to go down with 10K on it but able to go down to bottom @ 11,256'. PU to 11,244.75' broke conn and dropped 1.75" OD steel ball, waited 30 min and started to pump slow until ball seated with 529 strokes increase gpm to 410 and we had 1,933 psi, brought second pump on line pumping 600 gpm with 3,561 psi and commenced to circulate on top of fish working pipe 2' up/down every 5 min. Pumped 40 bbls high vis sweep and circulate it out of hole. Worked string 12' and we still continue to see something around us grabbing us as we worked pipe, we worked in until we noticed no more drag, went back down and sat down on bottom hoping to collect sliver. Made it down to <b>11,257.94'</b> . Shut pumps back off and went down to tag bottom before POOH
POOH, laid 1 jt to change brakes. POOH @ 100 ft/min in case we had some in basket we didn't lose it.
PU BHA #7 ( Flat face mill - Watermelon Mill - Junk Basket - Bit sub - 3x DC )
RIH

8/7/18

Tripped in hole from 735' to 10,985'.
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Cut and slipped 195' drilling line
Tripped in hole from 10,985' to 11,246'.
Changed out 5" elevators.
Washed down from 11,246 to 11,257.17 and tagged. Began milling from 11,257.17' to 11,258.90' with 100 rpm, 238 gpm at 470 psi
4-16k WOM, and 5-15k ft-lbs.
NOTE: Worked string several times before sitting on btm to flush any remaining debris. Put mill on btm and began milling with no issues.
Rig service.
Milling from 11,257.17' to 11,266.74' with 100 rpm, 238 - 480 gpm at 470 psi, 4-32k WOM, and 5-15k ft-lbs. Adjusted parameters to achieve better penetration with no luck last 1.5 hrs no progress was made. Metal and resin in returns
before we POOH we shut pumps down and tagged @ 11,264.50'. Pumped several high vis sweep with no change in returns
we noticed a sudden increase on pressure we increase gpm to 500 and worked pipe tagged bottom and we lost that pressure
increase and back to normal, possibly plugging fluid passes on mill.
POOH to PU piranha mill