

Submit a 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

WELL API NO. 30-045-30922
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Pretty Lady 30 11 34
8. Well Number #1
9. OGRID Number 247130
10. Pool name or Wildcat SWD, MV
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5789 GL

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 Salt Water Disposal

2. Name of Operator

Agua Moss, LLC

3. Address of Operator

PO Box 600 Farmington, NM 87499

4. Well Location

Unit Letter J : 1760 feet from the South line and 1475 feet from the East line

Section 34 Township 30N Range 11W NMPM County San Juan

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.

Please see the attached procedure to perform casing repair.

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 Philana Thompson TITLE HSE & Regulatory Compliance DATE 2/12/2021

Type or print name Philana Thompson E-mail address: pthompson@merrion.bz PHONE: 505-486-1171

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

AGUA MOSS, LLC

WORKOVER PROCEDURE

Well Information			
Well:	Pretty Lady 1	Field:	Mesaverde SWD
Location:	1760' fsl & 1475' fel S34, T30N, R11W San Juan Co. New Mexico	Elevations:	5789' GL 5802' RKB
		Depths:	3812' WL (FILL) 4009' KB (PBSD)
Supervisor:	Jeff Davis (505.330.1617)	Engineer:	Shacie Murray(505.330.7605)
API:	30-045-30922	Date:	February 12, 2021
Surface Casing:	133/8" 48# H-40 LT&C @ 433' KB	Production Casing:	9-5/8" 47#/53.5# P-110 LT&C @ 8104' KB
Tubulars:	5-1/2" 15.5# J-55 LT&C @ 3685' KB	Packer:	9 ⁵ / ₈ " Arrow Set RCP set at 3700' KB. EOT @ 3792 KB.
Perforations (MV)	3762' - 3830', 4 spf (272 holes), 0.34" EHD, Frac'd w/ 102,000# 20/40		

Version 1 – Procedure subject to change based on actual well conditions encountered.

Workover Purpose: Casing Hole Repair

Background

1. Wireline set composite bridge plug in lower 4-1/2" x 8' pup joint (3,723' KB).
2. Injection string pressure tested to 1,600 psig, held for 2 hours, good test. Injection String is isolated.
3. Casing did not pressure test, possible hole.
4. Wireline ran acoustic log while casing flowed, possible hole identified at 3,399' KB.

Prior to MIRU

1. Ensure H2S monitors charged and calibrated
2. Test/Install rig anchors

Squeeze Casing Hole

1. MIRU WO Rig
2. ND WH, NU BOP
3. Pour 11 cu. ft. of sand down injection string, wait for the sand to fall
4. Mix mud to balance pressure (approximately 14.2 ppg) and pump 140 bbls down csg
5. Install TIW valve (RU Kelly hose)
6. Pull straight up and release seal assembly from packer (sitting w/ 30K lbs in compression)
7. Reverse circulate to fill tbg with mud and balance well
8. TOOH and LD 5-1/2" injection string, connect csg to mud pit to maintain volume, SI well
9. Switch over BOP for 2-7/8" tubing
10. PU 2-7/8" work string

AGUA MOSS, LLC

WORKOVER PROCEDURE

11. Mix and pump 50 sx of class B, 15.6 ppg, 1.18 yld cement with calcium chloride to decrease setting time due to shallow depth
 - a. 10.5 bbls mix volume
 - b. Displace cement to place 1/3 cement behind pipe
 - c. Pump hesitation squeeze
 - d. Minimum cement behind 9-5/8" csg (1/3 volume) is 61', remaining (2/3 volume) inside is 99'
12. SI and WOC
13. TIH, tag TOC, pressure test csg to 1500 psig.
14. TOOH, PU 8.5" drill bit and drill collars. TIH and drill out cement.
15. TOOH LD bit and drill collars
16. Perform MIT *Procedure in Appendix A
17. TIH w/ 2 ea. 2-3/8" jts, changeover, 2-7/8" to top of sand
 - a. Reverse circulate sand and mud with fresh water
 - b. TIH into the 4-1/2" tail jt while reverse circulating sand out
18. TOOH and LD work string

Replace Injection String

19. PU and RIH w/ seal assembly, and ~3700' of new 5-1/2", 17#, coated casing (injection string).
20. Mix and reverse circulate ~165 bbls of packer fluid
21. Land seal assembly and 5-1/2" injection sting
22. PT injection string to 1500 psig
23. ND BOP, NU WH
24. RDMOL

Drill out Composite Plug and Return Well to Injection

1. MIRU coil and fluid pump; ND WH, NU BOP
2. RIH with 1-1/4" coil, motor, and 3.75" bit
3. Drill out composite plug and circulate bottoms up (45 bbls)
4. SD pump/flow and TOOH w/ coil
5. ND BOP; RDMOL w/ coil
6. Return well to injection

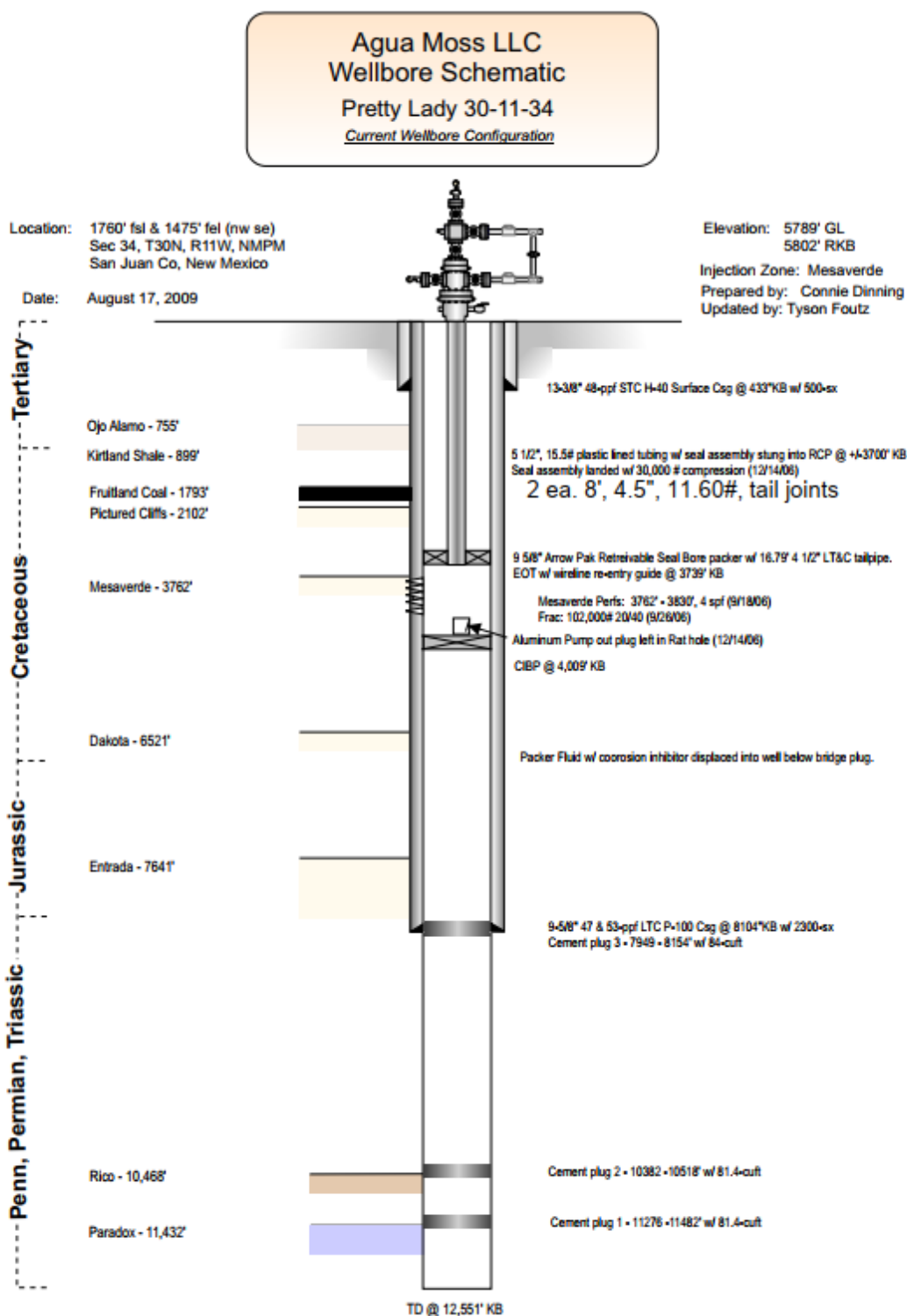
AGUA MOSS, LLC

WORKOVER PROCEDURE

WELLBORE DIAGRAM

AGUA MOSS, LLC

WORKOVER PROCEDURE



AGUA MOSS, LLC

WORKOVER PROCEDURE

Appendix A

MIT Procedure

Checklist

- MOG chart recorder w/ 1000# spring
- Calibration sheet
- Charts – 1 hr x 1000 psi chart

Procedure: To be witnessed through facetime

- Record initial tubing and casing pressure
- Connect flowback line to the casing (Pre setup)
- Bleed casing pressure down to the flowback tank
- Set chart timer to 1 hr interval and install chart
- Verify 0 psig on chart
- Attach chart recorder line to the casing
- Shut in flowback line to isolate casing
- Pressure casing up to 400 psig using the pressure washer
- Isolate pressure washer from casing
- Record test for 30 min
- Record tubing and casing pressures
- Open flowback line and bleed casing pressure down to the flowback tank
- Record final tubing and casing pressures
- Shut in the casing and flowback tank and disconnect the chart recorder.
- Verify 0 psig on chart recorder
- Remove chart from recorder

On the chart include: chart test information: test type, date, start csg pressure, end csg pressure, start time, end time, and witness signatures.

Please give Philana the chart to send in and a report

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 17923

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
AGUA MOSS, LLC P.O. Box 600 Farmington, NM87499			247130	17923	C-103X
OCD Reviewer	Condition				
mkuehling	An MIT is required once well is put back together and ready to inject.				