

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:	Ryan Merrion (303.653.2231)
API:	30-045-30922	Date:	January 25, 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: Injection String Repair

Prior to MIRU

1. Hold pre-job meeting to go over the workover plan to ensure there are no issues. Adjust plan as necessary based upon the meeting review.
2. Remove wellhead shelter
3. Ensure H2S monitors charged and calibrated
4. Test/Install rig anchors
5. MIRU WSI truck and lubricator and check wellhead drift with 4" mandrels
6. Schedule rig and verify correct BOP pipe rams
7. Schedule casing crew
8. Schedule coil
9. Pre-order 5-1/2" injection string with 28' of pup joints
10. Pre-order 9-5/8" packer seal assembly parts, latch tool, nickel coated pup jts and check tool hand availability
11. Have mud products readily available in case weighting up is required
12. Have spare 5-1/2" jts and pups on hand to release seal assembly

Wireline

1. MIRU wireline
2. RIH with caliper log and 4" gauge ring to verify drift and pipe condition
3. RIH with 4-1/2" composite bridge plug and land in lower 8' 4-1/2" pup joint
4. RDWL
5. Bleed pressure off well and perform a negative pressure test

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6. PT well to 1500 psig
7. If unable to run plug, or plug does not hold, then will need to weight up fluid to balance pressure across the well
 - a. RU wireline and perforate w/ 3-4 shots in bottom 5-1/2" casing joint above packer
 - b. Weight up to ~13.7 ppg mud
 - c. Circulate ~250 bbls of 13.7 ppg mud

Replace Injection String

1. MIRU WO Rig
2. ND WH, NU BOP
3. Pull straight up and release seal assembly from packer (sitting w/ 30K lbs in compression)
4. TOOH and LD 5-1/2" casing
5. PU and RIH w/ seal assembly, 2 ea. 5-1/2" x 8' Ni coated pup jts, and ~3700' of new 5-1/2" coated casing (inj string).
6. Mix and reverse circulate ~165 bbls of packer fluid
7. Land seal assembly and 5-1/2" injection sting
8. PT injection string to 1500 psig
9. ND BOP, NU WH
10. RDMOL

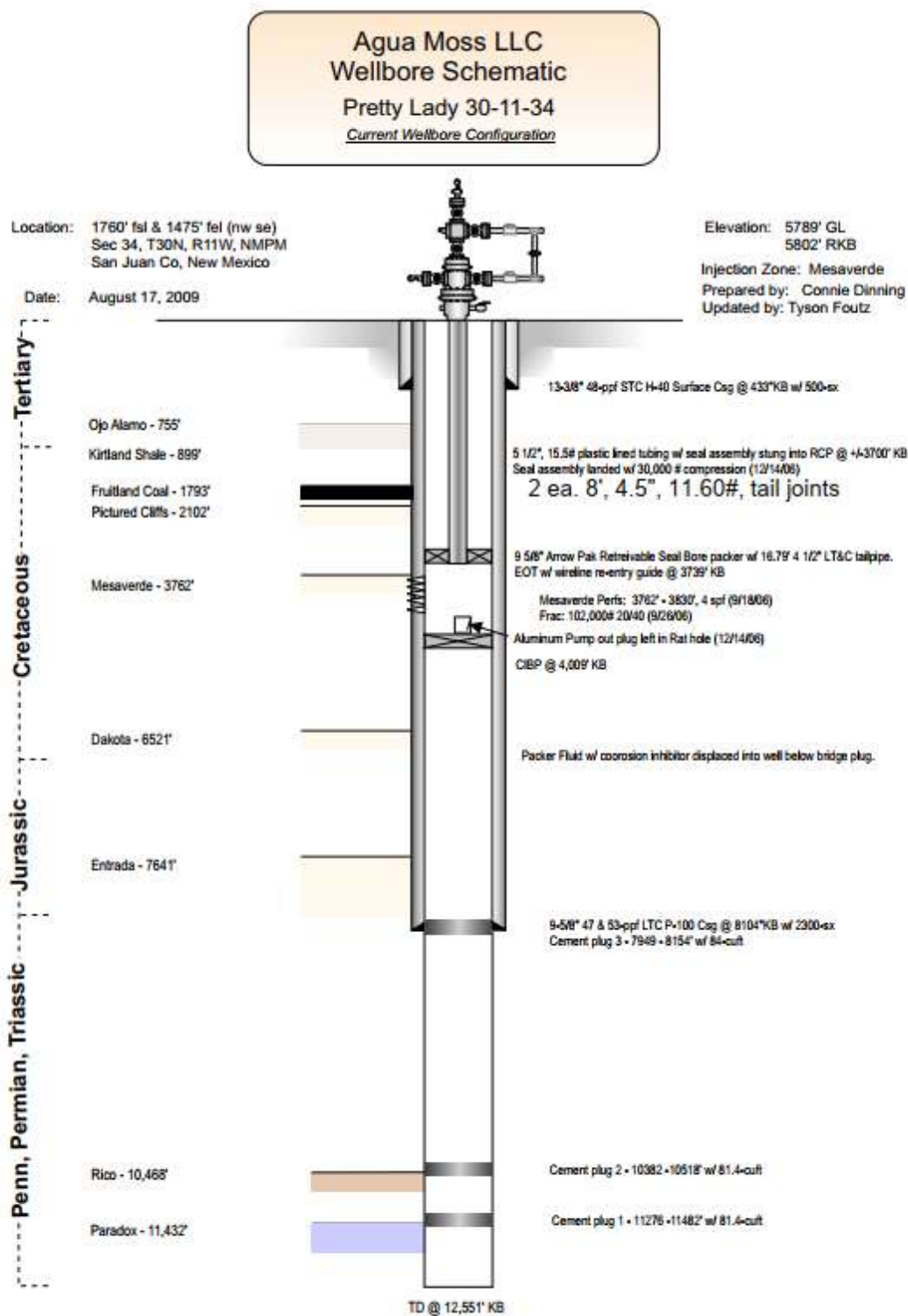
Drill out Composite Plug and Return Well to Injection

1. MIRU coil and fluid pump; NU BOP
2. RIH with 2" coil, motor and 3-7/8" 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

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WORKOVER PROCEDURE

WELLBORE DIAGRAM



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 injection string repair.

OCD COAs: notify within 24 hours prior to moving on and a bradenhead and mit will need to be performed once well is put back together prior to injection. Tests will need to be approved by Santa Fe before injection. Both tests can be witnessed through facetime. Once MIT is performed a picture in pdf format will need to be sent through email to Monica Kuehling and Brandon Powell. This will be forwarded to Santa Fe for approval.

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 1/25/2021

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

For State Use Only

APPROVED BY: John Garcia TITLE Petroleum Specialist - A DATE 2/2/2021

Conditions of Approval (if any):

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 15580

CONDITIONS OF APPROVAL

Operator:	AGUA MOSS, LLC	P.O. Box 600	Farmington, NM87499	OGRID:	247130	Action Number:	15580	Action Type:	C-103X
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OCD Reviewer	Condition
jagarcia	notify within 24 hours prior to moving on and a bradenhead and mit will need to be performed once well is put back together prior to injection. Tests will need to be approved by Santa Fe before injection. Both tests can be witnessed through facetime. Once MIT is performed a picture in pdf format will need to be sent through email to Monica Kuehling and Brandon Powell. This will be forwarded to Santa Fe for approval.