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

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-045-30922
5. Indicate Type of Lease STATE ☐ FEE ☐
6. State Oil & Gas Lease No.

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)

7. Lease Name or Unit Agreement Name: Pretty Lady 30-11-34
1. Type of Well: Oil Well ☐ Gas Well ☒ Other SWD
8. Well Number: 1
2. Name of Operator: Agua Moss, LLC
9. OGRID Number: 247130
3. Address of Operator: PO Box 600, Farmington, NM 87499
10. Pool name or Wildcat: SWD Mesa Verde
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
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5789' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:		Casing Repair	☒	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 casing repair procedure

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 Regulatory Compliance Specialist DATE 4/28/2023

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

For State Use Only

APPROVED BY: Phillip R. Goetze TITLE UIC Manager DATE 05/05/2023
Conditions of Approval (if any):

AGUA MOSS, LLC

WORKOVER PROCEDURE

Well Information			
Well:	**Pretty Lady 1**	**Field:**	SWD Mesaverde Pool
Location:	1760' fsl & 1475' fel S34, T30N, R11W San Juan Co. New Mexico	**Elevations:**	5789' GL 5802' RKB
		Depths:	3812’ WL (FILL) 4009’ KB (PBTD)
Supervisor:	Shacie Murray (505.330.7605)	**Engineer:**	Ryan Davis (505.215.3292)
API:	30-045-30922	**Date:**	May 1, 2023
Surface Casing:	13-3/8" 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:**	$9^{5}/_{8}$" Sealbore set at 3700' KB. EOT @ 3739’ 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

Test Injection String:

1. Set composite bridge plug in lower 4-1/2” x 8’ pup joint (3,723’ KB).
2. Bleed Pressure off injection string and monitor annulus.
3. Test injection string to 1,500 psig.
4. Run noise log to identify leak location

MIRU and Prep to Run Liner

5. MIRU
6. ND WH, NU BOP
7. Pull straight up and release seal assembly from packer (sitting w/ 22K lbs in compression)
8. Mix and pump mud to balance well (14.2 ppg) ***Note: Mud weight will be subject to hole location and well conditions***
9. TOOH and LD 5-1/2” injection string, keep hole full w/ mud to maintain balance

Run 7” Liner

10. Run 7” liner w/ annular casing packer (ACP), float equipment and DV tool
11. Install cementing head

12. Cement Liner ***Note: Volumes subject to change based on hole location and ACP depth***

- Notify NMOCD 24 hrs in advance of cementing work
- First stage:
    i. 5 bbls fresh water spacer ahead
    ii. Mix and Pump **55 sxs** (13 bbls) of **type III cement** (14.6 ppg 20% excess)
    iii. Drop wiper plug and displace w/ 143 bbls of fresh water
    iv. Check floats
- Second Stage
    i. Drop dart and open DV tool
    ii. Mix and pump **269 sxs** (95 bbls) of **type III cement** (12.5 ppg lead 20% excess, 14.6 ppg tail 50% excess)
    iii. Drop wiper plug and displace w/ 131.8 bbls of fresh water
    iv. Bump plug and leave pressure on 7”

13. SI and WOC

Drill Out

14. RIH w/ bit and drill collars
15. Drill out float equipment, cement, and composite BP and circulate clean *(swap to mud prior to drilling out composite plug)*
16. TOOH, ensure hole stays full while tripping

Replace Injection String

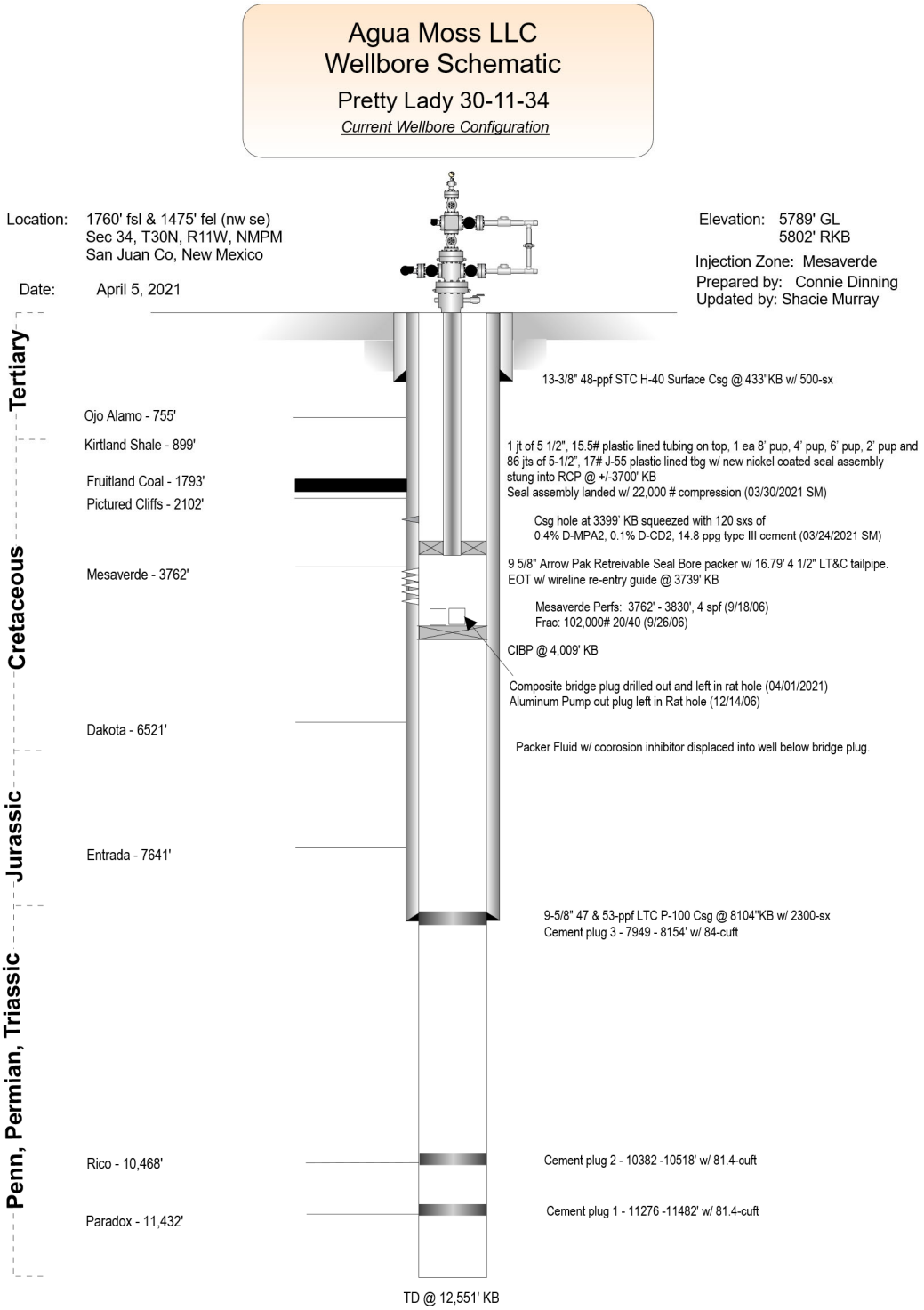
17. Run new 4-1/2” 10.5# J55 coated injection string w/ Retrievable Packer
18. Mix and reverse circulate ~73 bbls of packer fluid
19. ND BOP and NU WH
20. Schedule MIT and notify NMOCD 24 hrs in advance
21. Perform MIT (see appendix A)
22. RDMOL

Return Well to Injection

23. Set and test pressure kills

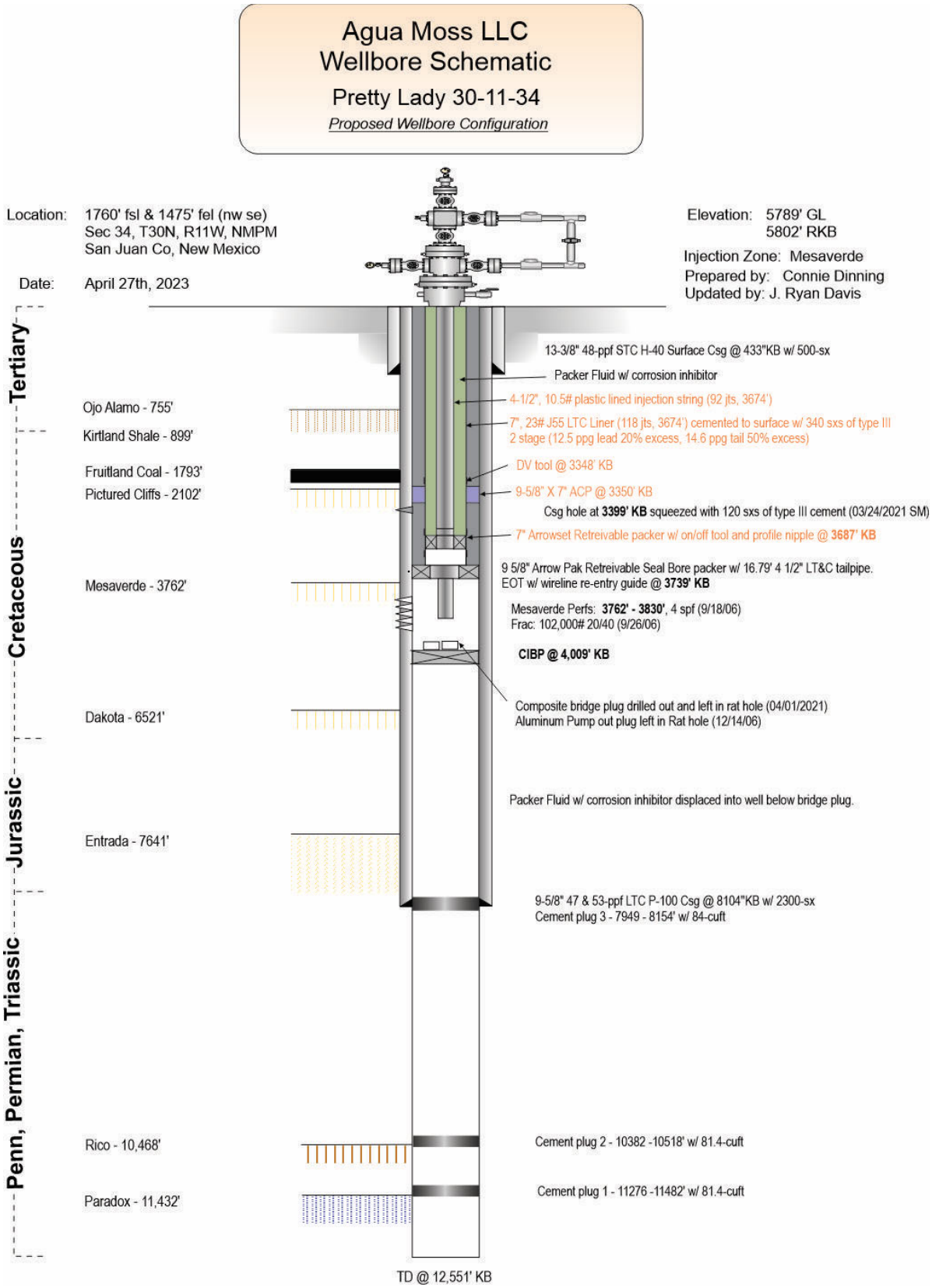
AGUA MOSS, LLC

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 by NMOCD

- 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

From: Ryan Davis
To: Chavez, Carl, EMNRD; Gebremichael, Million, EMNRD; Chavez, Carl, EMNRD
Cc: Goetze, Phillip, EMNRD; Philana Thompson; Shacie Murray; Jeff Davis; Ryan Merrion
Subject: [EXTERNAL] Submitted NOI for the Pretty Lady 30 11 34 #1 30-045-30922 (Submission ID: 211838)
Date: Thursday, May 4, 2023 9:50:43 PM
Attachments: Outlook-3cdkngrl.png

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Carl,

Thank you for returning my call this afternoon. As we discussed on the phone, the purpose of this email is to request authorization to perform an injectivity test on the well prior to moving forward with our proposed workover.

As part of our normal procedure to isolate the injection interval to test the injection string, we attempted to set a plug in the 4-1/2" tail joint below our permanent sealbore packer. When we set the plug we were unable to get back up through the packer. We made multiple attempts and were unable to get wireline back through the packer. We ultimately pulled out of the rope socket and dropped the tool string in the well. We ran a downhole camera and have confirmed the top of the fish (tool string) at 3758' KB. This puts the fish in the middle of the top section of perfs. We would like to perform an injectivity test on the well to determine the impact of the fish in the hole on our ability to inject into the Mesaverde interval. We are requesting authorization to inject into the well for a period of time to determine the capability (rate and pressure) of the interval with a fish in the hole. This will assist us in making the best determination in how we proceed. We will of course, stay under our maximum allowable surface injection pressure and would like to pump for a period to get to steady-state conditions. We anticipate this to be 4-8 hrs.

If you have any questions, please let me know.

Thanks,

Ryan Davis

Operations Manager

MERRION OIL & GAS

(W) 505-215-3292

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1625 N. French Dr., Hobbs, NM 88240
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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 211838

CONDITIONS

Operator: AGUA MOSS, LLC P.O. Box 600 Farmington, NM 87499	OGRID: 247130
	Action Number: 211838
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
pgoetze	Modification of plan to include injection test of well is approved but the test shall be conducted only after the well has been repaired and has mechanical integrity. Results of the test shall be included in the Subsequent Report.	5/5/2023