

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. 30-015-45204
5. Indicate Type of Lease STATE [] FEE [X]
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Mad Cow SWD
8. Well Number 1
9. OGRID Number 371643
10. Pool name or Wildcat SWD; Devonian-Silurian
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,535'

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 SWD
2. Name of Operator Solaris Water Midstream, LLC
3. Address of Operator 9651 Katy Freeway, Suite 400, Houston, TX 77024
4. Well Location Unit Letter I : 2441 feet from the South line and 1135 feet from the East line
Section 12 Township 24 S Range 30 E NMPM County Eddy
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,535'

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: Plug & Abandon [X]
SUBSEQUENT REPORT OF:
REMEDIAL WORK [] ALTERING CASING []
COMMENCE DRILLING OPNS. [] P AND A [X]
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.

Work was completed on 11/25/2025 per the approved P&A plan that was reviewed and approved by OCD on 9/24/2025 as follows:

- 1) 10-14-2025 - MIRU
2) 10-18-2025 - cut and pull injection string
3) 10-19-2025 - set CIBP in 5-1/2" at 16,080'. Good test. Dump bail 35' cement on top of plug.
4) 10-23-2025 - run RCBL from 10,400' to surface in 9-5/8" csg
5) 10-26-2025 - cut and pull 9-5/8" from 1115' (WLM)
6) 10-28-2025 - begin DO to 14,750' per NMOCD procedure
7) 11-14-2025 - begin setting cement plugs per procedure (described in table to right)
8) 11-24-2025 - place final plug; verify cement at surface
9) 11-25-2025 - RDMO services; cut off casing strings and mast anchors. Install DHM

Table with 5 columns: Plug #, Type, Depth Set, # Sacks, Top Depth. Contains 14 rows of well completion data.

Spud Date: 10/13/2018

Rig Release Date: 01/17/2019

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

SIGNATURE Faith Malton TITLE Regulatory Engineer DATE 09/09/2025

Type or print name Faith Malton E-mail address: Faith.malton@ariswater.com PHONE: 932-454-0001
For State Use Only

APPROVED BY: TITLE DATE
Conditions of Approval (if any):



**SOLARIS WATER MIDSTREAM, LLC
MAD COW SWD NO. 1 (30-015-45204)
Eddy County, New Mexico**

**PROPOSED PLUGGING PROCEDURE
September 26, 2025
AFE Number**

Objective:

Plug and abandon the wellbore.

Directions to Well:

Turn south off Highway 128 (Jal Highway) onto Twin Wells Road. Go 5.3 miles and turn right just behind the big Oxy tank battery and follow the road 0.9 miles, bearing to the right, then turn right (north). Go 0.25 miles to EOG SQUIRES ALR #002 pump jack, then turn left and go 0.1 mile to location.

Contact List:

Steve Bruington Consulting Engineer	Office: Cell: Email:	210-828-8117 210-213-4251 steveb@bruingtonengineering.com
Jeffery Cook VP, Engineering Solaris Water Solutions, LLC	Cell: Email:	713-614-3644 Jeffery.cook@ariswater.com
Daid Moluf Senior Staff Production Engineer Wester Midstream	Cell: Email:	501-339-4137 david.moluf@westernmidstream.com
Sheriff's Department Eddy County (Non-Emergency)		911 575-887-7551
Fire Department Eddy County Fire Rescue		911 575-628-5450

Mad Cow 1 SWD _ P&A Procedure as executed

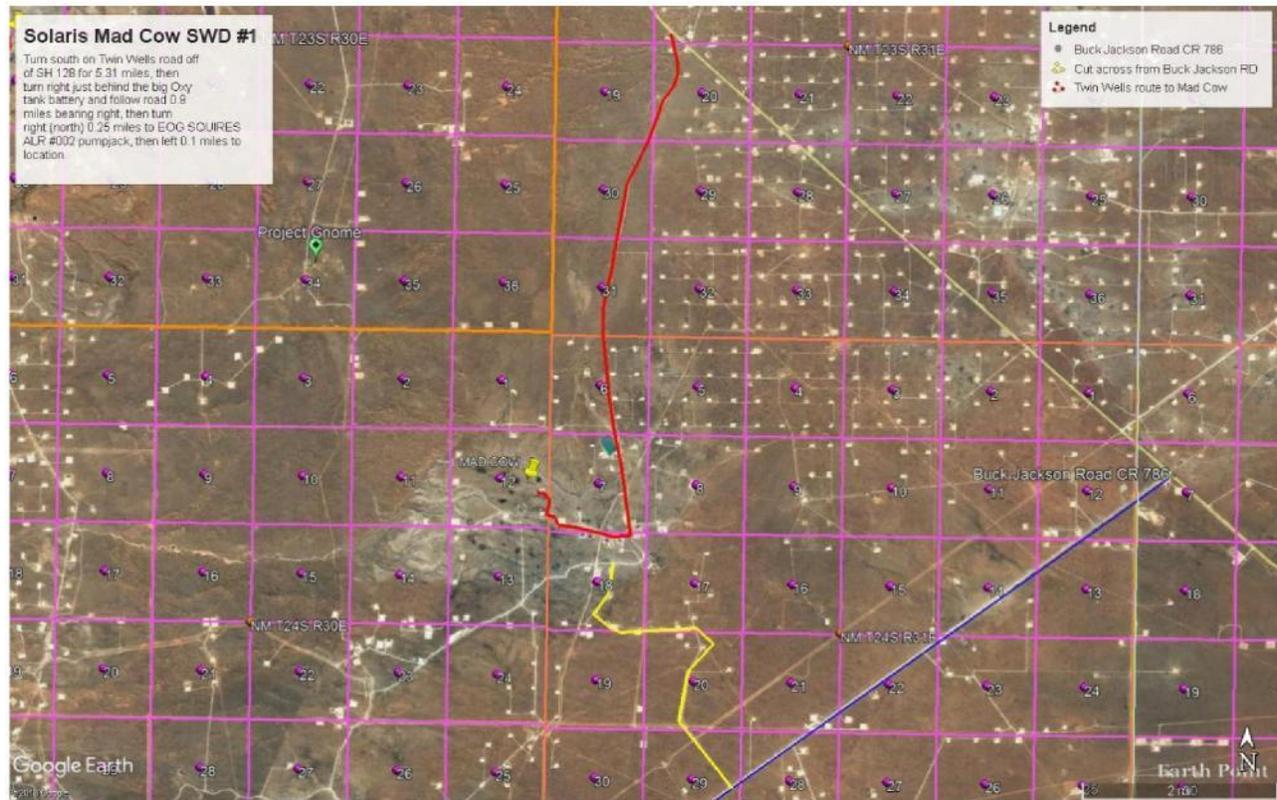
Western Midstream

Ambulance, EMS
Carlsbad EMS (Non-Emergency)

911
575-885-3125

Latitude (NAD83)
Longitude (NAD83)
Elevation

32.2318593N
103.8293325'W
3535'



Nearest Hospital:

Carlsbad Medical Center
2430 W. Pierce St., Carlsbad, NM 88220
575-887-4100

Mad Cow 1 SWD _ P&A Procedure as executed

Western Midstream

WELL DATA:

- 20", 94#/ft, J55, BTC surface casing set at 667'; cement circulated to surface
- 13-3/8", 68#/ft, J55, BTC (0-3079') and 72#/ft, HCP-110, BTC (3079'-4269') intermediate casing set at 4269'; circulated 500 barrels of cement to surface
- 9-5/8", 53.5#/ft, HCP-110, 8R, LTC intermediate casing set at 10,748'; DV tool with ECP set at 4244'; cement was not circulated to surface thru the DV tool
- 7-5/8", 39#/ft, P110, EZGO, FJ3 liner set from 14,387'-10,470' with Peak liner top packer
- 5-1/2", 23#/ft, HCP110, EZGO, FJ3, (51 joints) liner with Halliburton Versa flex expandable liner hanger: top of liner at 14,379'; cemented to top of liner; liner set from 16,615'-14,379'
- 5-1/2", 23#/ft, HCP-110, EZGO, FJ3 scab liner with Halliburton VersaFlex liner hanger set from 14,386'-14,273'
- Drilled 4-1/2" hole to 17,650'; mud weight = 10.7 ppg cut brine
- Injection interval: 16,615'-17650' (Devonian)
- 232 joints 5-1/2", 20#/ft, HCP-110, EZGO, HTGT tubing from 0'-10,130'
- 98 joints of 5", 20/ft, P110, EZGO, FJ3 tubing from 10,130'-14,042'
- 78 joints of 3-1/2", 9.3#/ft, L80, EZGO, FJ3 tubing from 14,042'-16,658'; spaced out with slick joint and 2 pup joints with Halliburton 3" ATR locator seal unit (2.96" x 2.328") with 40,000# weight on the packer (65,000# slackoff at the surface)
- 5-1/2" Halliburton BWS nickel plated permanent packer with 3-5/8" x 9.38" nickel alloy seal 925 bore extension set at 16,570'; 2-7/8", 6.5#/ft, L-80, EUE nickel plated pup joint, 3.673" x 2.313" nickel alloy XN-nipple with 2.205" No-Go; end of packer assembly at 16,570'. See attached packer setting detail.
- 13-3/8" x 13-5/8" 5000 psi C-22, SOW casing head
- 13-5/8" 5000 psi x 11" 10,000 psi tubing spool no trim description; (3) 1-13/16" 10,000 psi, gate valves
- 11" 10,000 psi x 5-1/8" 5000 psi adaptor flange
- 5-1/8" 5000 psi gate valve with FF trim
- 5-1/8" 5000 psi gate valve – trim unknown
- 5-1/2" CT-SWD pin x 5" FJ3 crossover, 17-4 PH 1150 stainless steel tubing hanger
- 11", 10,000 psi C-22 x 5-1/2" CT-SWD bottom with 5" Acme lifting threads and 5" Type H back pressure valve, 718 Inconel
- (2) 5-1/8" 5000 psi master valves
- Fluid in the annulus: 11.6 ppg CaCl₂
- SITP = 0 psi
- SICP = 0 psi
- Set 2.75" OD Diamondback Eliminator bridge plug rated to 10,000 psi and 400° F at 16,555'; dumped 39' of cement on top of plug; the plug did not test
- Set 2.75" OD Diamondback Eliminator bridge plug rated to 10,000 psi and 400° F at 16,226'; tested the plug to 3000 psi; dumped 25' of cement on top of the plug

Mad Cow 1 SWD _ P&A Procedure as executed

Western Midstream

- Punched holes in the 3-1/2" tubing at 14,138'
- Elevation: 27' from ground level to kelly bushing

Mad Cow 1 SWD _ P&A Procedure as executed

Western Midstream

EXECUTED PROCEDURE:

This procedure is based on the following assumptions:

- The well is dead
 - The CBLs for the 5-1/2" and 7-5/8" liners are on file with the NMOCD
 - The regulatory filings indicate the 20" and 13-3/8" casings were cemented to surface
1. Notify NMOCD in Artesia (575-748-1283) at least 24 hours prior to performing plugging operations.
 2. Check and record the SITP and SICP.
 3. Move in and rig up Hurricane 24-hour workover rig with 3.5 power swivel, 11" 5000 psi BOPs with blind rams and 3-1/2" x 5-1/2" variable bore pipe rams on top and blind rams on bottom, accumulator unit, (2) 5-1/2" FJ3, 5" FJ3 and 3-1/2" FJ3 TIW valves, frac tanks, open top tanks, and pipe racks. The BOPs and TIW valves must have test charts indicating most recent pressure tests.
 4. Bleed off the shut in pressure through the Force flowback manifold. If the pressure does not bleed to zero then circulate the well with 11.6 ppg WBM.
 5. Set two-way check valve in the tubing hanger to isolate the open hole.
 - If unable to set BPV in hanger, MIRU wireline with lubricator to set 4.5" RBP in tubing
 - RIH with RBP on wireline to 2500' and set plug
 - Pressure test plug to 4000 psi then POOH with wireline
 6. Nipple down the injection tree and nipple up 11" 5000 psi BOPs with blind rams and 3 1/2" x 5-1/2" variable bore pipe rams and accumulator. Test the BOPs to 250 psi and 2000 psi. Record the tests on a recording chart.
 7. Send the tree to AFS Energy Services.
 8. Pull the two-way check valve from hanger – or if RBP set in tbg, RU wireline and RIH to retrieve RBP
 9. Check the tubing and annulus for pressure. Pump kill weight fluid as necessary to kill the well. Perform ~30-minute flow check.
 10. Rig up casing crew and laydown machine. Have back up set of tongs on location.
 11. Place (2) 5-1/2", 5", and 3-1/2" TIW valves on the rig floor in the open position. Discuss with the rig crew a method to quickly pick up and stab the valve.
 12. Rig up casing jacks. Make up 5-1/2" TIW valve with pup joint and screw into the tubing hanger. to tubing. Pick up tubing string to neutral weight (~341,500#). The tubing was landed with 40,000# of compression (65,000# slack off at the surface).
 13. Rig up electric line truck with pack off and full lubricator and cut the tubing ~16,136'.
 14. Allow the fluids to equalize and make sure the well is dead.
 15. Lay down the tubing hanger and visually inspect the tubing hanger. Send to AFS Energy Services.

Mad Cow 1 SWD _ P&A Procedure as executed

Western Midstream

16. Pull out of the hole laying down the 5-1/2", 5", and 3-1/2" tubing and seal assembly. Install thread protectors if available. Do not rotate the tubing more than 25 rpms. Send tubing to PetroSmith.
17. KEEP THE HOLE FULL OF KILL WEIGHT FLUID WHILE PULLING OUT OF THE HOLE. Monitor wellbore fill volume out of reverse unit open top tank.
18. Prepare the location to receive a 3-1/2" work string. Clean and drift tubing.
19. Rig up electric line truck with full lubricator. Make gauge ring and junk basket run to 16,150'. Set cast iron bridge plug in 5-1/2" liner at 16,080'. Test the casing to 2000 psi. Dump 35' of cement (5 sacks) on top of the cast iron bridge plug.
20. Add cement plugs per original procedure:

Plug #	Type	Depth Set	# Sacks	Wait Time	Tag Depth	Cement Class
1	Cement Plug	14,500' – 14,350'	40	6 hrs	14,350'	E
2	Cement Plug	11,420' – 11,270'	50	18 hrs	11,270'	E
3	CIBP w/ cement on top	10,425' – 10,390'	16			H
4	Retainer w/ cement on top	3,950' – 3,800'	45	6 hrs	3,800'	C
5	Cement Plug	1,130' – 972'	100	8 hrs	942'	C

- Run RCBL on wireline after setting CIBP @ 10,425'. Log 9-5/8" csg from 10,400' to surface
 - Confirm cement across 1st Bone Springs at 8,930':
 - If no cement across the 1st Bone Springs at 8930' then perforate for a squeeze at 8980' with a 3-1/8" casing gun. Set cement retainer at 8,880'. Trip in the hole with 3-1/2" tubing. Sting into the retainer and squeeze 15 barrels (report the number of sacks) of Class G or H cement into the 9-5/8" x 12-1/4" annulus. Sting out of the retainer and leave -100' of cement (75 sacks) on top of the retainer.
 - WOC (6 hrs) & Tag @ 7980'
 - Identify TOC behind 9-5/8" csg – perforate 100' above (~4,050'). Set cement retainer 100' above perms and attempt squeeze. Spot 150' cement plug.
 - Cut and pull 9-5/8" csg above TOC. Set cement plug from below top of cut to 150' above.
21. **Per instruction from NMOCD – drill out wellbore back down to 14,750' to set cement plugs per NMOCD approved procedure.**

Use table below for wellbore depths where cement coverage 50' above and 50' below is required

Mad Cow 1 SWD _ P&A Procedure as executed

Western Midstream

Marker Depth	Descr	Cement Class
14,683'	Base of 7-5/8" liner	H
14,610'	Top of Morrow	H
14,277'	Liner Hanger Top	H
13,705'	Top of Atoka	H
13,570'	Top of Strawn	H
13,210'	Top of Penn	H
11,470'	Top of Wolf Camp	H
10,748'	Base of 9-5/8" casing	H
8,030'	1st Bone Springs	H
5,168'	Top of Cherry Canyon	C
4,280'	Top of DMG	C
4,269'	Base of 13-3/8" csg	C
4,244'	DV tool	C
4,050'	perf'd csg	C
4,040'	Base of Salado	C
1,115'	Cut top 9-5/8" csg	C
890'	Top of Salado	C
575'	Rustler	C
250'	FW	C

22. Trip in the hole open ended with 3-1/2" tubing to -14,750'. Spot cement 14,733' – 14,633' to cover 7-5/8" casing shoe. Pull out of the hole to -14,000'. Wait on cement for 6 hours. Trip in the hole and tag cement. Displace well with kill weight mud.
23. Pull out of the hole to base of next plug (reference table below). Spot cement per depths/sacks as indicated. Wait on cement to tag for all plugs listed that are below the depth of known TOC outside casing. Continue through plug 5.
24. Review data to date with NMOCD rep (David Alvarado).
25. Perform 30 minute bubble test at surface to confirm full isolation. Continue procedure per NMOCD instructions.
26. Continue placing cement plugs 6-9 per table below.
27. POOH with workstring. RU eline with lubricator and pressure control equipment to run CBL from 3950' to surface. Confer with NMOCD regarding CBL results.
28. PUMU perforating guns and RIH to perforate 9-5/8" csg at 3650' per NMOCD direction.
29. POOH with eline. PUMU new set of perforating guns and RIH to perforate 12' below top of 9-5/8" csg (cut at 1,115').

Mad Cow 1 SWD _ P&A Procedure as executed

Western Midstream

30. POOH. Verify all shots fired. RD Wireline.
31. PU 3-1/2" workstring with 8.25" RTTS tool. TIH to 3,350' and attempt to circulate.
 - If unable to circulate:
 - Attempt reperfs at following depths, testing circulation after each perf attempt:
 - 3,540' (low) • 1,150' (high)
 - 3,300' (low)
 - 3,100' (low)
32. Once circulation is established, squeeze cement plugs to cover all perfs, ensuring at least 100' of cement coverage inside/outside of the 9-5/8" x 13-3/8" section. Wait on cement for 6 hours after each plug and confirm depth with tag.
33. POOH with packer and workstring. LD RTTS packer tool.
34. Trip back in hole with 3-1/2" workstring to place final cement plug (#14 in table below). Set plug in 2 stages: 380 sacks to cover 1243' – 574' followed by 380 stacks to cover 574' – 0'.
35. Lay down 3-1/2" workstring and ND 11" BOPs.
36. Cut off 13-3/8" csg, 20" csg, and 30" conductor at ~4' below ground level. Fill in the cellar and casing stubs with cement. Monitor for 30 minutes.
37. Place well monument marker (steel post, min 4" diameter) in cement on top of the exact well location, ensuring marker extends at least 4' above ground level. Marker must include the following information:
 - Operator name
 - Lease number and well number
 - API number
 - Unit letter
 - Section, Township, and Range
38. RMDO all services.
39. Clean up location.

Mad Cow 1 SWD _ P&A Procedure as executed

Western Midstream

Plug #	Type	Depth Set	# Sacks	Wait Time	Tag Depth	Cement Class	Markers Covered
1	Cement Plug	14,737' – 14,542'	15	6 hrs	14,534'	H	Base of 7-5/8" liner Top Morrow
2	Cement Plug	14,327' – 14,107'	30	6 hrs	13,900'	H	Acoustic signature @ 14,200'
3	Cement Plug	13,733' – 13,585'	30	6 hrs	12,997'	H	Top Atoka Top Strawn Top Penn
4	Cement Plug	12,877' – 12,337'	105	6 hrs	11,878'	H	
5	Cement Plug	11,537' – 11,389'	30	6 hrs	10,291'	H	Top Wolf Camp Base of 9-5/8" csg
6	Cement plug	8,092' – 7,928'	55	N/A	N/A	H	1 st Bone Springs
7	Cement plug	5,223' – 5,098'	55	N/A	N/A	C	Top Cherry Canyon
8	Cement plug	4,356' – 4,206'	45	N/A	N/A	C	Top DMG Base 13-3/8" csg DV Tool
9	Cement plug	4,108' – 3,974'	40	6 hrs	3,990'	C	Perfs @ 4,050' Base Salado
10	Cement plug	3,952' – 3,818'	40	N/A	N/A	C	
11	Squeeze cement	3,650' – 3,540'	33	6 hrs	3,275'	C	Squeeze perfs
12	Squeeze cement	3,100' – 2,950'	84	6 hrs	2,953'	C	Squeeze perfs
13	Squeeze cement	1,360' – 1,210'	84	6 hrs	1,253'	C	Squeeze perfs
14	Cement Plug	1,243' - Surface	760	N/A	N/A	C	Top 9-5/8" csg Top Salado Rustler Fresh Water

Mad Cow 1 SWD _ P&A Procedure as executed

Solaris Midstream

Mad Cow SWD 1

API: 30-015-45204

Eddy County, New Mexico

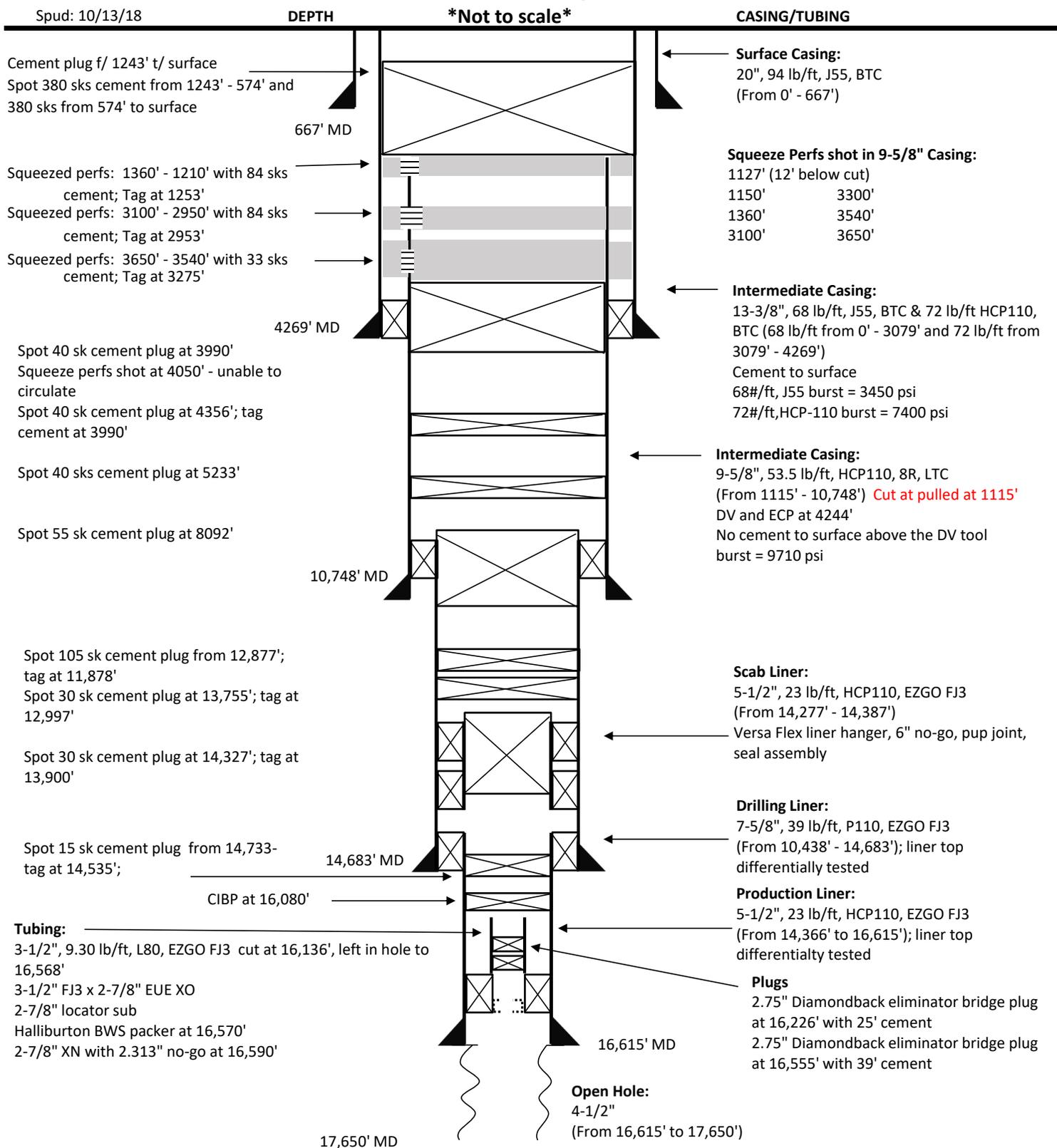
Date: 12/09/25

Elevation: GL = ~3527'

Location: 16 mi east of Loving, NM

32.2318300, -103.8293000

Current Wellbore Diagram



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 552959

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 9950 WOODLOCH FOREST DR THE WOODLANDS, TX 77380	OGRID: 371643
	Action Number: 552959
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
gcordero	Clean Location in accordance with 19.15.25.10 NMAC.	2/12/2026
gcordero	Submit C-103Q within one year of plugging.	2/12/2026