MECHANICAL INTEGRITY TEST REPORT

Eagle US 2, LLC (E208) – Sulphur Mines (8759) – PPG No. 006-X

API No.: 17-019-04009

Calcasieu Parish, Louisiana, USA

Prepared for:

Eagle US 2, LLC

By:

Lonquist Field Service, LLC.

Houston, Texas

January 2022

MIT Report – Eagle US 2, LLC

Sulphur Mines PPG No. 006-X

Executive Summary

Lonquist Field Service, LLC ("LFS") was contracted to perform a Mechanical Integrity Test ("MIT") on Eagle US 2, LLC ("Westlake") inactive well PPG No. 006-X ("Well No. 6X"), Underground Injection Control ("UIC") serial no. 57788. This test was performed in accordance with the Louisiana Department of Natural Resources ("LDNR") Injection and Mining Division ("IMD") regulations and approved under UIC-17 Injection Well Work Permit No. 42953. The Nitrogen-Brine Interface Method was utilized for the performance of this test with approval from the LDNR IMD.

The base temperature and density logs were completed on December 13th, 2021. Nitrogen was then injected on December 13th, 2021 to test the 7-5/8" casing string, then injected to achieve the desired interface depth below the casing shoe. However, upon reaching the official test pressure a leak was observed at surface at the lower most casing outlet flange. The decision was made to bleed back brine pressure from the tubing with hopes that the leak would close back up at lower pressure. This plan was communicated and approved by the LDNR IMD. Next, approximately 20 psi of pressure was bled off over the next 2 days allowing the flange to re-seal. Once stabilization had been verified, the 24-hour nitrogen-brine MIT was performed to a test gradient of 0.68 psi/ft with the results summarized as follows:

- Test Initialization – December 20th, 2021 at 08:55
    - Annulus Pressure: 1,570.41 psig
    - Tubing Pressure: 385.58 psig
    - Nitrogen/Brine interface depth: 2545.50'
- Test Finalization – December 21st, 2021 at 08:55
    - Annulus Pressure: 1,570.02 psig
    - Tubing Pressure: 386.16 psig
    - Nitrogen/Brine interface depth: 2545.50'
- Calculated Leak Rate ("CLR"): 1.76 barrels/year

Considering the CLR being less than the Minimum Detectable Leak Rate ("MDLR") of 77.04 barrels per year, and the guidelines set forth and approved by the LDNR IMD, inactive Well No. 6X successfully demonstrated the mechanical integrity required for a cavern with inactive status.

MIT Report – Eagle US 2, LLC

Sulphur Mines PPG No. 006-X

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Sulphur Mines PPG No. 006-X

Introduction

Lonquist Field Service, LLC ("LFS") was contracted by Eagle US 2, LLC ("Westlake") to conduct a Mechanical Integrity Test ("MIT") on PPG No. 006-X ("Well No. 6X") at the Sulphur Mines Field in Calcasieu Parish, Louisiana.

Well No. 6X was tested using the Nitrogen-Brine Interface Test Method (See Appendix A). Typically, this procedure begins with an initial injection of nitrogen into the well to check for wellhead and casing leaks. The initial injection is followed by continued injection of nitrogen into the well until the interface is located below the casing shoe and a sufficient test pressure has been reached. The interface depth and the nitrogen (annulus) pressure are monitored during the test period. The test is evaluated by calculating the nitrogen mass (volume) at the commencement and completion of the test period. This difference yields an apparent mass (volume) change. As the test occurs over a finite time period, the apparent mass (volume) rate of change can be calculated and linearly forecasted to an annual rate. The annual mass (volume) rate of change is usually expressed in barrels of nitrogen per year (at average well pressure and temperature conditions). The mass (volume) rate of change is subject to the accuracy of the test or Minimum Detectable Leak Rate ("MDLR"), also expressed in barrels per year.

The following report will outline the mechanical integrity test for Well No. 6X. The report includes the cavern and wellbore configuration, temperature, and density logs completed during the test.

MIT Report – Eagle US 2, LLC

Sulphur Mines PPG No. 006-X

Summary

On December 12th, 2021 wireline rigged up and completed and base temperature and density logs. On December 13th, 2021 a nitrogen unit was rigged up and starting at 16:40, nitrogen injection began into Well No. 6X with a target temperature of 103° F. During nitrogen injection, wireline logged via time-drive in 200' increments to monitor the interface depth until the interface was spotted at 2,486'. Next, several attempts to complete a 60-minute casing test were made over approximately a 3-hour time period with wireline re-logging the interface in 15-minute intervals. However, after the well had stabilized there continued to be constant upward movement of approximately one foot/hour prompting LFS Engineers / Westlake personnel to investigate the surface equipment for potential leaks. No leaks were discovered. LFS Engineers elected to move forward with nitrogen injection for the MIT. Nitrogen injection continued until the target test gradient (0.70 psi/ft) was achieved, the final interface depth was 2,579.5'. During rig down and the final wellhead inspection a crew member spotted a small leak stemming from the lower most casing outlet flange. Further discussion pursued between LFS Engineers and Westlake about the path forward. The decision was made to return the following morning to attempt to tighten the flange bolts and re-log to determine the leak-rate.

On December 14th, 2021 a wellhead technician attempted to torque-turn the bolts on the flange, unsuccessfully. Next, wireline arrived and re-logged the interface to find that the interface had moved up approximately 12' overnight to 2,468'. LFS Engineers made the recommendation to approach the LNDR IMD about decreasing the test gradient and reducing the cavern pressure via bleeding back brine from the tubing in an effort to allow the flange leak to re-seal. LFS representatives approached the LDNR IMD about lowering the test gradient (0.68 psi/ft) received approval. On December 16th, 2021 LFS Engineers received notification from Westlake Operations that the flange leak had stopped after the cavern pressure was decreased approximately 20 psi.

The cavern was allowed to stabilize for approximately 96-hours, and on December 20th, 2021 at 08:55 the MIT on Well No. 6X was initialized with an annulus (nitrogen) pressure of 1,570.41 psig, a tubing (brine) pressure of 385.58 psig, and an interface depth of 2,545.5'. The well was shut-in for a 24-hour test period. The wellhead was inspected for leaks and none were detected. On December 21st, 2021 at 08:55 the MIT on Well No. 6X was finalized with an annulus (nitrogen) pressure of 1,570.02 psig, a tubing (brine) pressure of 386.16 psig, and a nitrogen-brine interface depth of 2,545.5'. This concluded the MIT on Well No. 6X.

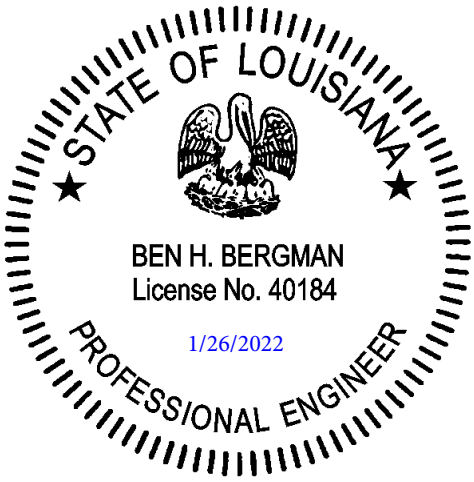
Conclusions

The mechanical integrity of Well No. 6X was established with the Nitrogen-Brine Interface Test Method. This test monitored the nitrogen-brine interface for a 24-hour test period. Well No. 6X was initialized with an annulus (nitrogen) pressure of 1,570.41 psig, a tubing (brine) pressure of 385.58 psig, and a nitrogen-brine interface at 2,545.5'.

Well No. 6X was finalized with an annulus (nitrogen) pressure of 1,570.02 psig, a tubing (brine) pressure of 386.16 psig, and a nitrogen-brine interface at 2,545.5'. The test pressure gradient was 0.68 psi/ft at the 7-5/8" production casing shoe during the 24-hour test.

The total gas volume in the annulus was wellbore was calculated to be 35,200.08 scf at the start of the test and 35,197.26 scf at the end of the test for a calculated decrease in gas volume of 2.82 scf. The calculated gas volume was based on the measured wellhead pressure, measured wellbore temperature, known casing annulus volume, and calculated borehole volumes (See Appendix D).

The CLR was 1.76 barrels per year. Considering the calculations, the CLR is less than the MDLR of 77.04 barrels per year. At the completion of this test, Well No. 6X exhibited the characteristics of an inactive well that has mechanical integrity, in accordance with industry standards the guidelines established by the Louisiana Department of Natural Resources – Injection and Mining Division.



Certified By:
Lonquist Field Service, LLC
Louisiana Registration No. EF-5853

Ben H. Bergman 1/26/2022 P.E.

Ben H. Bergman, P.E.
Senior Staff Engineer
Louisiana License No. 40184

Date Signed: January 26th, 2022
Houston, Texas

Daily Activities

December 12th, 2021

LFS / Empire Wireline MOB to Sulphur Mines Field, receive work permit and conduct PJSM. Spot wireline into position and await on surface equipment to be RD and LOTO'd by Westlake operations. RU wireline and perform gauge run to verify clearance, TD tagged at 3,265'. PU Gyro tool and RIH to EOT logging directional survey every 100'. Review data and POOH. SDON.

December 13th, 2021

LFS / Empire Wireline arrive on location and hold PJSM. PU P-T-D logging assembly and complete base logs. POOH and LD logging assembly. RU nitrogen pump unit and pressure test surface lines to 1,600 psig, tested successfully. Begin nitrogen injection at 500 scf/min with a target temperature of 103 deg F until interface was spotted at 2,469.5'. Made log pass to verify interface depth and injected additional nitrogen to move interface away from casing collar due to log response. Nitrogen-brine interface found to be at 2,486' with an annulus (nitrogen) pressure of 1,550.20 psig. Wireline re-logged the interface in 15-minute increments to verify interface depth and the interface was found to be moving upward on average of 0.25' per 15-minutes after several passes. The wellhead was carefully inspected and soaked by LFS / Westlake personnel in an attempt to identify a leak at surface; no leaks detected. The decision was made to proceed with the MIT and continue nitrogen injection. Nitrogen injection commenced at a rate of 500 scf/min with a target temperature of 104 deg F while wireline logged via time-drive in 10' increments to 'strap' the wellbore volume. The nitrogen injection was completed once the annulus (nitrogen) pressure had reached the effective test gradient of 0.70 psi/ft. The final annulus (nitrogen) pressure was 1,596.60 psig and the tubing (brine) pressure was 398.80 psig with the interface depth at 2,579.5'. Wireline POOH and began RD. However, during RD the wellhead was inspected once again for leaks and a nitrogen leak was found at the lower most flange on the casing outlet (below the ball valve). Discussions between LFS Engineers / Westlake concluded that we'd re-log the well in the morning to verify interface movement and to finger-print the leak rate. SDON.

December 14th, 2021

LFS / Empire Wireline arrive on location and hold PJSM. A wellhead technician MOB to location with torque-turn equipment and attempted to tighten the bolts, unsuccessful. PU temperature-density logging assembly and RIH to verify the interface depth. Wireline logged from EOT to 200' above the production casing shoe. The annulus (nitrogen) pressure was at 1,592.99 psig with the interface depth was at 2,568' (~12' of upward movement overnight). Meeting between LFS Engineers / Westlake concluded the best route forward was to request a lower test gradient (0.68 psi/ft) from the LDNR IMD and to reduce the cavern pressure by flowing back brine from the tubing until the flange stopped leaking. Nitrogen was then bled back until the interface was spotted at 2,545'. Wireline POOH and RDMO.

December 16th, 2021

Received call from Westlake Operations, after ~20 psig decrease in cavern pressure, the flange leak had stopped. LFS Engineers lining up services for Monday 07:00.

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Sulphur Mines PPG No. 006-X

December 20th, 2021

LFS / Empire personnel MOB to Westlake Operations office and receive work permit, hold PJSM. Westlake begin RD surface lines and wireline spot equipment into place. Initialize Well No. 6X MIT at 08:55 with the annulus (nitrogen) pressure at 1,570.41 psig, the tubing (brine) pressure of 385.58 psig, and the interface depth at 2,545.5'. Wireline POOH and LD logging assembly and secured the well. The wellhead was inspected for leaks, no leaks detected. SDON.

December 21st, 2021

LFS / Empire personnel arrive at location and receive work permit. Hold PJSM. Wireline RU to wellhead and finalizes Well No. 6X MIT at 08:55 with the annulus (nitrogen) pressure at 1,570.02 psig, the tubing (brine) pressure at 386.16 psig, and the interface depth at 2,545.5'. Wireline POOH and LD the logging assembly and secured the well. RDMO.

MIT Report – Eagle US 2, LLC

Sulphur Mines PPG No. 006-X

Test Participants

Eagle US 2, LLC

Joshua Bradley	Production Superintendent
Kevin Laverne	Production Supervisor
Randy Broussard	Production Supervisor

Lonquist Field Service, LLC

Coleman Hale P.E.	Vice President
Ben Bergman, P.E.	Registered Engineer
Colten Long	Petroleum Engineer

Empire Wireline, LLC

Empire Wireline Personnel	Wireline Operators

Copper Tip Energy Services, LLC

Nitrogen Unit Personnel	Nitrogen Pump Operator

Calculations

The test sensitivity is defined as the ability of the test calculations and measurements to determine the status of the mechanical integrity of the well and wellbore. The conventional test sensitivity calculation using this test methodology is the Minimum Detectable Leak Rate ("MDLR").

$$MDLR = \frac{[B_v \times L_R \times T_c]}{T_L}$$

Where:

B_v	=	0.42 bbl./ft (see Appendix D)
L_R	=	0.50 feet
T_c	=	365 days/year
T_L	=	1 day
MDLR	**=**	**77.04 bbl./year**

Therefore: (0.42 x 0.50 x 365)/1 = 77.04 bbl./year

*Hand calculations may yield different final MDLR due to rounding.

Volume Calculations – Annular Space (7-5/8" x 5-1/2") & Borehole

Using the methodology outlined in the MIT procedure the following volumes were calculated:

Initial Wellbore Volume (**$V_{I(Borehole)}$**)

- Annulus Pressure – 1,570.41 psig
- Tubing Pressure – 385.58 psig
- Wellbore Temperature – Logged (APPENDIX E)
- Volume
  - 7-5/8" x 5-1/2" Annulus – 0.0178 bbl./ft
  - Borehole – APPENDIX D

$$(V_I) = \sum_0^{1/F} (N_2)_t$$

$V_{I(Borehole)}$ = 35,200.08 SCF

Final Wellbore Volume (**$V_{F(Borehole)}$**)

- Annulus Pressure – 1,570.02 psig
- Tubing Pressure – 386.16 psig
- Wellbore Temperature – Logged (APPENDIX E)
- Volume
  - 7-5/8" x 5-1/2" Annulus – 0.0178 bbl./ft
  - Borehole – APPENDIX D

$$(V_F) = \sum_0^{1/F} (N_2)_t$$

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$V_{F(Borehole)}$ = 35,197.26 SCF

Borehole Volume Change:

$$(\Delta V)_{STP\ (Borehole)} = (\Delta V)_{I(Borehole)} - (\Delta V)_{F(Borehole)}$$

$$\Delta V_{STP(Borehole)} = 35{,}200.08\ SCF\ - 35{,}197.26\ SCF = 2.82\ SCF$$

The calculated volume/mass change is based on standard temperature and pressure and to evaluate the test results against the MDLR the calculated volume/mass change is converted to downhole conditions with the following equation:

$$(\Delta V_{WB}) = \frac{Z_A \times T_A \times R \times \Delta V_{STP}}{P_A \times N_{GC}}$$

Where:

Z_A	=	1.0170
T_A	=	563.07 °R
R	=	Specific Gas Constant
ΔV_{STP}	=	2.82 SCF
P_A	=	1,651.92 psi
N_{GC}	=	Nitrogen Gas Conversion (13.80 SCF = 1 lb.)
ΔV_{WB}	=	**0.03 ft^3/day**

To calculate an annual volume change to compare to the MDLR the following calculations were completed:

$$V_{ANNUAL} = \frac{\Delta V_{WB} \times 365}{T_L}$$

Where:

ΔV_{WB}	=	0.03 ft^3/day
1 year	=	365 days
T_L	=	1 day
ΔV_{ANNUAL}	=	**9.90 ft^3 /yr.**

Where:

ΔV_{ANNUAL}	=	9.90 ft^3/yr.
1 bbl.	=	5.6146 ft^3
CLR (bbl./year)	=	1 bbl. / 5.6146 ft^3
Calculated Leak Rate	=	**1.76 bbl./year***

*Hand calculations may yield different final CLR due to rounding.

MIT Report – Eagle US 2, LLC

Sulphur Mines PPG No. 006-X

Well Data Sheet and Schematic

TEST INFORMATION AND RESULTS

Well Name:	PPG No. 006-X
Operator:	Eagle US 2, LLC.
State:	Louisiana
County/Parish:	Calcasieu
Field:	Sulphur Mines Brine Field
Serial/API:	57788 / 17-019-04009

WELL INFORMATION

Production Casing			Casing Liner		
Casing Size	7 5/8	inches	**Casing Size**		inches
Casing ID	6.97	inches	**Casing ID**		inches
Casing Weight	26.50	lbs/ft	**Casing Weight**		lbs/ft
Grade	K-55, 8-rd		**Grade**		
Depth	2,505	feet	**Depth**		feet

Outer Hanging String			Inner Hanging String		
Casing Size	5 1/2	inches	**Casing Size**		inches
Casing ID	4.95	inches	**Casing ID**		inches
Casing Weight	15.50	lbs/ft	**Casing Weight**		lbs/ft
Grade	J-55, LTC		**Grade**		
Depth	2,623	feet	**Depth**		feet

Cavern		
Cavern Size	9,844,973	bbls
Compressibility	2.41	bbls/psi
Cavern TD	3,270	feet

FINAL TEST INFORMATION

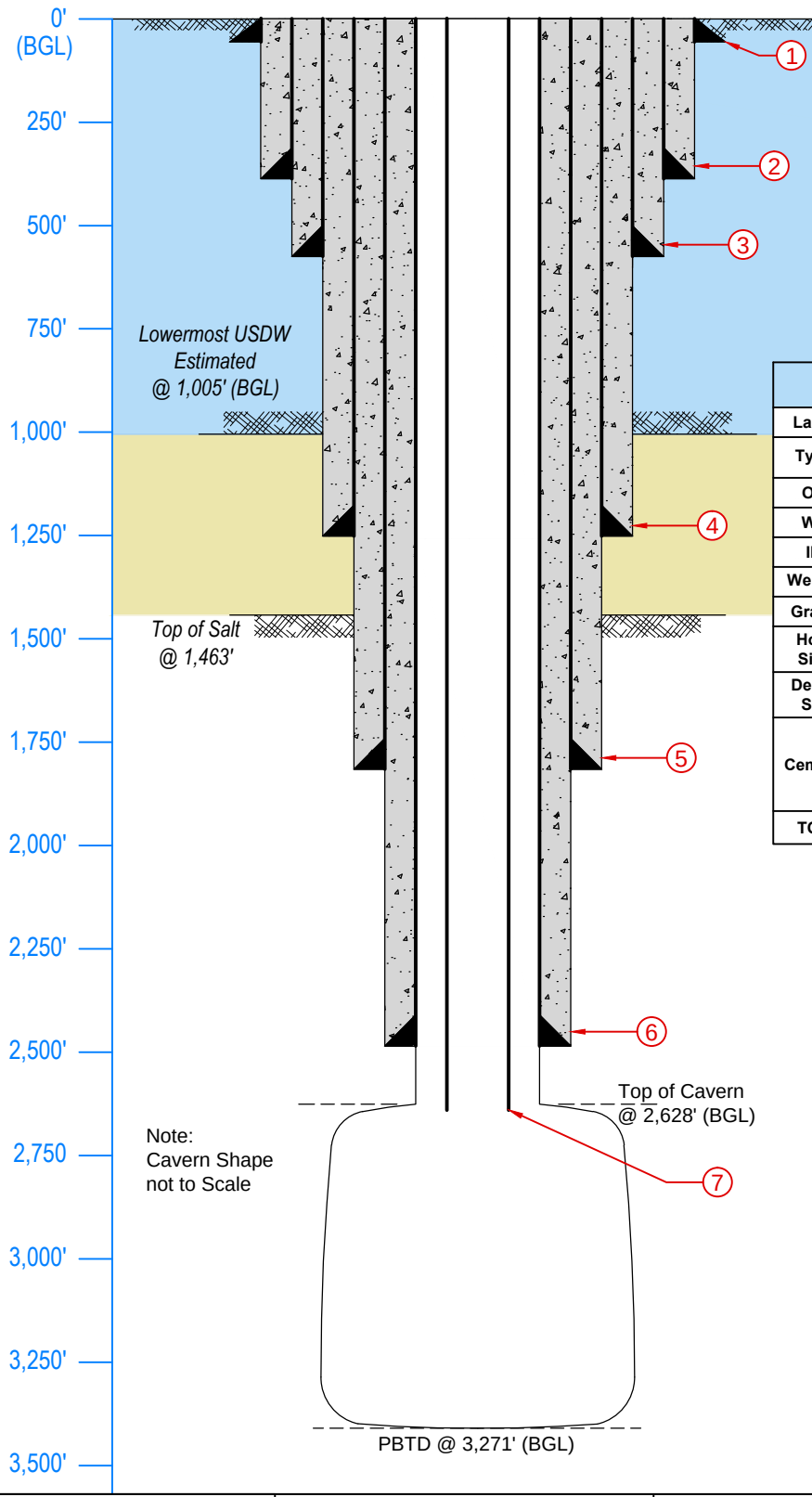
Effective Casing Shoe	2,505	feet	**Casing Shoe Pressure (avg)**	1,646.16	psi
Test Gradient	0.68	psi/ft	**Interface Pressure (avg)**	1,717.93	psi
Brine Specific Gravity	1.20		**Surface Tubing Pressure (avg)**	385.87	psi
Nitrogen Temperature (avg)	98.00	deg F	**Surface Annulus Pressure (avg)**	1,570.22	psi
Interface Depth	2,530	feet	**Pressure Increase**	N/A	psi
Gas Compressibility (avg)	1.02		**Conversion**	14.70	psi

Volume			Nitrogen		
Annular Volume No. 1	0.0178	bbls/ft	**Surface to Casing Shoe (avg)**	12,159.30	SCF
Annular Volume No. 2		bbls/ft	**Casing Shoe to Interface (avg)**	23,039.37	SCF
Surface to Liner Shoe		bbls	**Total (avg)**	35,198.67	SCF
Surface to Casing Shoe	44.57	bbls	**Brine**		
Casing Shoe to Interface	28.62	bbls	**Cavern Pre-Pressure**	394.00	psi
Total	73.19	bbls	**Brine Injection**	1,175.00	bbls

TEST RESULTS

Test Initialization Information			Test Finalization Information		
Date / Time	12/20/21 8:55		**Date / Time**	12/21/21 8:55	
Tubing Pressure	385.58	psig	**Tubing Pressure**	386.16	psig
Annulus Pressure	1,570.41	psig	**Annulus Pressure**	1,570.02	psig
Wellbore Temperature (avg)	103.40	deg F	**Wellbore Temperature (avg)**	103.31	deg F
Nitrogen/Brine Interface	2,545.50	feet	**Nitrogen/Brine Interface**	2,545.50	feet

Test Results					
CLR	1.76	bbls/yr	**Test Length**	24.00	hours
MDLR	77.04	bbls/yr	**Test Length**	1	days
Test Gradient	0.68	psi/ft	**Logging Resolution**	0.50	feet
Tubing Pressure Change	(0.58)	psi			
Annulus Pressure Change	0.39	psi			



GL:	12.0'
Spud:	8-26-1955
Depths indicated are Measured Depths unless otherwise noted	

Casing Information

Label	1	2	3	4	5	6
Type	Drive Pipe	Conductor #1	Conductor #2	Surface	Intermediate	Production
OD	30"	18"	16"	13-3/8"	10-3/4"	7-5/8"
WT	N/A	N/A	0.375"	0.38"	0.279"	0.328"
ID	N/A	N/A	15.25"	12.615"	10.192"	6.969"
Weight	N/A	N/A	62.50 lb/ft	54.5 lb/ft	32.75 lb/ft	26.50 lb/ft
Grade	N/A	N/A	H Welded	J-55 8RD	J-55 8RD	K-55 8RD
Hole Size	30"	22"	22"	15"	13-3/8"	12-1/4"
Depth Set	48'	407'	607'	1,272'	1,841'	2,505'
Cement	Driven to Refusal	Volume: unknown	Volume: 500 sks	Volume: 335 sks	Volume: 500 sks	Volume: 500 sks
TOC		Surface	Surface	Surface	Surface	Surface

Tubing Information

Label	7
Type	Hanging String
OD	5-1/2"
WT	0.275"
ID	4.95"
Weight	15.5 lb/ft
Grade	J-55
Connection	LTC
Depth Set	2,623'

Additional Notes

Sonar Data:
Date: 7-6-2016 Sonar Volume: 10,125,698.5 bbls
Top of Cavern: 2,628' Bottom of Cavern: 3,271'
Max Radius: 430.7' in E-NE direction @ 3,081' depth

Sonar Data:
Date: 7-13-2011 Sonar Volume: 10,291,696 bbls
Top of Cavern: 2,628' Bottom of Cavern: 3,412'
Max Radius: 424.4' in E-NE direction @ 3,085' depth

LONQUIST FIELD SERVICE
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Eagle US 2, LLC	PPG No. 006-X	
Country: USA	**State/Province:** Louisiana	**County/Parish:** Calcasieu
Location: 12 mi. west of Lake Charles	**Site:** Sulphur Mines Brine Field	**Status:** Inactive
Survey/STR: S-029 T-09S R-10W	**Field:** Sulphur Mines (8759)	**Serial No:** 57788
Well API No: 17-019-04009	**Project No:** F1974	**Date:** 11/23/2021
Drawn: JRW	**Reviewed:** SLP	**Approved:** BHB
Rev No:	**Notes:**	

Appendix

Appendix A – MIT Test Procedure

LONQUIST FIELD SERVICE	Nitrogen-Brine MIT		Project No.: F1974
	Eagle US 2, LLC PPG No. 006-X Mechanical Integrity Test (MIT)		Date: 11/23/2021
			Page: 1 of 11
Well: PPG No. 006-X	**State:** Louisiana	**Parish:** Calcasieu	**Field:** Sulphur Mines (8759)
API / Serial No.: 57788 / 17-019-04009	**Oper.:** Eagle US 2, LLC	**Location:** 12 Miles W of Lake Charles	**Status:** Inactive

Introduction

PPG Brine Well No. 006-X (Well No. 6X) is operated by Eagle US 2, LLC (Eagle) and is located at their Sulphur Brine Field in Calcasieu Parish, LA. The purpose of the Mechanical Integrity Test (MIT) procedure is to test the integrity of the underground storage system that includes the cavern, cemented casing, and wellhead to determine if the system demonstrates the mechanical integrity required as part of the monitoring program. Annual Pressure-Temperature-Density logs and a sonar survey are planned to be completed prior to the MIT. The MIT will be completed by injecting Nitrogen into the cavern until the desired test pressure is achieved at the 7-5/8" production casing shoe, and the Nitrogen-Brine interface will be logged at the start and end of the test.

The test procedure will consist of the following basic steps:

1. Complete pre-test density and temperature logs.
2. Inject nitrogen into Well No. 6X and log interface depth to place the interface in the last casing joint and above the cemented production casing to complete a preliminary test on the cemented casing string and wellhead (60-minute casing test).
3. Continue nitrogen injection into Well No. 6X and spot the interface location below the cemented casing shoe and shut the well in to allow for stabilization.
    a. 0.70 psi/ft final test gradient at the cemented casing shoe as well is inactive
4. Monitor wellhead pressures, wellbore temperature, and interface location during the specified test period (minimum test period of 24 hours).
5. Complete and submit MIT report to Eagle US 2, LLC and the Louisiana Department of Natural Resources (LDNR).

This procedure includes the following attachments:

1. Detailed MIT Procedure
2. Nitrogen-Brine Interface Test Plan
3. Current Wellbore Schematic
4. Current Wellhead Schematic

LONQUIST FIELD SERVICE	Nitrogen-Brine MIT		Project No.: F1974
	Eagle US 2, LLC PPG No. 006-X Mechanical Integrity Test (MIT)		Date: 11/23/2021
			Page: 2 of 11
Well: PPG No. 006-X	**State:** Louisiana	**Parish:** Calcasieu	**Field:** Sulphur Mines (8759)
API / Serial No.: 57788 / 17-019-04009	**Oper.:** Eagle US 2, LLC	**Location:** 12 Miles W of Lake Charles	**Status:** Inactive

Detailed MIT Procedure: PPG No. 006-X

Phase 1 – Well Preparation

1. Pre-pressure the cavern to the calculated pre-test pressure with saturated brine.
    a. Pre-Test Pressure: 415 psig
    b. See the '*Nitrogen-Brine MIT Test Plan*' for additional information
2. Monitor wellhead pressure during and after pre-pressurization for unexpected pressure decline.

Phase 2 – Nitrogen Injection (Estimated Time: 1 Day)

1. MOB wireline and nitrogen supplier, and all associated equipment.
2. MIRU wireline
    a. Spot into position
    b. Lift lubricator with mast or crane if necessary
    c. Make up tool string for Temperature-Density run
3. Bleed down any trapped pressure above the crown valve and RD the tree cap
4. R/U the logging flange to the wellhead, R/U lubricator
    a. Zero unit at the Bradenhead Flange (BHF)
5. Open well and RIH to TD while logging base temperature at 50'/min
    a. Temperature Log (0' – 2,700')
6. POOH while logging base density @ 35'/min
    a. Density Log (2,700' – to 200' above the casing shoe)
7. Begin Nitrogen injection at a slow rate (< 500 SCFM). Nitrogen temperature should be regulated to the average wellbore temperature.
8. Continue Nitrogen injection until the interface depth is determine to be in the middle of the last cemented joint of production casing.
9. Stop injection and perform routine logging passes (every 15 minutes) until a passing casing test is achieved.
    a. Casing Test – Minimum of 60 minutes
    b. Monitor and record wellhead pressures and interface at the start and completion of the test.
10. Resume Nitrogen injection until the Nitrogen-Brine interface is spotted at the pre-determined depth below the cemented production casing shoe with a targeted pressure gradient of 0.70 psi/ft at the effective casing shoe.
    a. Annulus Nitrogen Pressure = 1,601 psig
    b. Tubing Pressure = 417 psig
11. After the Nitrogen-Brine interface is spotted at the appropriate depth, cease nitrogen injection and shut-in for a short stabilization period (30-minutes).
    a. Monitor pressures, interface location, and check wellhead for possible leaks path.
    b. Ensure that all connection points are carefully inspected for gasket / seal leaks
12. RIH to 2,700', POOH @ 35'/min while performing post-injection density log.
    a. Post Injection Density Log – (2,700' – 200' above effective casing shoe)
    b. Record wellhead pressures.

   c. Density logs should include: tubing collars, nitrogen-brine interface, production casing shoe, and approved logging scales.
   d. All depths are approximate.
13. Shut-in the well for the stabilization period.
   a. Prefer minimum of 12 hours, however, additional stabilization time may be needed.
   b. Stable wellhead pressure – Decline less than 10 psi in 24 hrs. before the testing period begins.
14. RDMO wireline and Nitrogen supplier, and all associated equipment.

Phase 3 – Test Initialization (Estimated Time: 1 Day)

1. MIRU wireline and all associated equipment.
2. RIH @ 50'/min while logging temperature
   a. Log Interval: 0' – 2,700'
3. POOH @ 35'/min while logging density
   a. Log Interval: 2,700' - 200' above effective casing shoe
   b. Density logs should include: tubing collars, Nitrogen-Brine interface, production casing shoe, and approved logging scales.
4. Shut the well in for the designated test period.
   a. Minimum of 24 hours
5. RDMO wireline and all associated equipment.

Phase 4 – Test Finalization (Estimated Time: 1 Day)

1. MIRU wireline and all associated equipment.
2. RIH @ 50'/min while logging temperature
   a. Log Interval: 0' – 2,700'
3. POOH @ 35'/min while logging density
   a. Log Interval: 2,700' - 200' above effective casing shoe
   b. Density logs should include: tubing collars, Nitrogen-Brine interface, production casing shoe, and approved logging scales.
4. Complete test calculations based on wellhead pressure measurements, nitrogen volume measurements, wellbore temperatures, and interface locations.
   a. Refer to Test Calculations Section
5. Determine if the test is complete based on results or if the test should be extended.
   a. **Repeat Phases 3 & 4** if necessary.
6. RDMO wireline and all associated equipment.

LONQUIST FIELD SERVICE	Nitrogen-Brine MIT		Project No.: F1974
	Eagle US 2, LLC PPG No. 006-X Mechanical Integrity Test (MIT)		Date: 11/23/2021
			Page: 4 of 11
Well: PPG No. 006-X	**State:** Louisiana	**Parish:** Calcasieu	**Field:** Sulphur Mines (8759)
API / Serial No.: 57788 / 17-019-04009	**Oper.:** Eagle US 2, LLC	**Location:** 12 Miles W of Lake Charles	**Status:** Inactive

Nitrogen-Brine Interface Test Calculations

The test methodology proposed in this procedure is developed using the industry standard nitrogen-brine interface test method.

The wellhead pressures and temperatures, wellbore temperatures, nitrogen volumes, and interface location will be recorded throughout the test period and will allow for the calculation of the borehole volumes, test sensitivity, minimum test durations, and final test calculations.

All test calculations are based on the following measured parameters: wellhead pressure, nitrogen volumes, annular casing unit volume, wellbore temperatures, and interface locations. In addition to the measured parameters, the following calculated parameters are important in completing the test: borehole volume, MDLR, and test length.

To evaluate the test the calculated nitrogen volume/mass at the start of the test is compared to the calculated nitrogen volume/mass at the end of the test. This rate of volume change and its comparison to the test sensitivity is one of the components in determining the final results of the MIT.

Test Sensitivity and Test Length

Test sensitivity calculations are the functions of three factors:

Borehole volume – Determined from nitrogen measurements and sonar surveys
Log Resolution – Recommended: 5":100' logging scale (Wireline logging accuracy of 0.25' to 0.5')
Minimum test duration – 24 hours

The test sensitivity is defined as the ability of the test calculations and measurements to determine the status of the mechanical integrity of the well and wellbore. The conventional test sensitivity calculation using this test methodology is the Minimum Detectable Leak Rate (MDLR).

$$MDLR = \left[B_V * L_R * (T_c)\right] / T_L$$

Where:

MDLR	=	Minimum Detectable Leak Rate (bbl./year)
B_v	=	Borehole Volume (bbl./ft)
L_R	=	Log Resolution (feet)
T_c	=	Time Constant (365 days/year)
T_L	=	Test Length (days)

Using the MDLR method, a reasonable and acceptable test accuracy and sensitivity can be calculated for the Mechanical Integrity Test. The MDLR calculation is based on downhole measurements of the test conditions. Per industry standard the MDLR must be less than 1,000 bbl/year for the designated test period. The length of the test must a minimum of 24 hours and sufficient in length to keep the MDLR below 1,000 bbl/year and allow for a proper evaluation of the well test.

Test Evaluations

The volume/mass of nitrogen located in the wellbore can be affected by the following: temperature stabilization, cavern leaching/creep, and volume changes. Using P-V-T gas calculations, any changes in the volume/mass of the nitrogen in the wellbore can be evaluated based on wellbore temperature changes, pressure changes, and/or wellbore leakage.

Pressure Calculations

The average wellbore pressure is calculated based on the wellhead surface pressure, wellbore temperature, and depth of the specific interval. The following equation is used to calculate the average wellbore pressure

$$(P_A)_i = (P_A)_{i-1}\left[1+\left(\frac{D}{(R)(Z_A)_i(T)_i}\right)\right]$$

Where:

$(P_A)_i$ = Pressure @ Depth Interval (Calculated) (psia)

$(P_A)_{i-1}$ = Pressure @ Previous Depth Interval (Calculated) (psi)

D = Depth Interval (ft) (Intervals of 10’ in the casing and ~1’ in the cavern)

$(Z_A)_i$ = Gas Compressibility Factor @ Depth Interval

R = Specific Gas Constant

$(T)_i$ = Wellbore Temperature (◦R) from wireline logging

LONQUIST FIELD SERVICE	Nitrogen-Brine MIT Eagle US 2, LLC PPG No. 006-X Mechanical Integrity Test (MIT)		Project No.: F1974 Date: 11/23/2021 Page: 6 of 11
Well: PPG No. 006-X	**State:** Louisiana	**Parish:** Calcasieu	**Field:** Sulphur Mines (8759)
API / Serial No.: 57788 / 17-019-04009	**Oper.:** Eagle US 2, LLC	**Location:** 12 Miles W of Lake Charles	**Status:** Inactive

Nitrogen Calculations

The following calculation is used to calculate the volume/mass of nitrogen for specific intervals over the entire wellbore at the start and end of the test period:

$$(N_2)_i = \left(\frac{[(P_A)_i * (B_v)_i]}{[(Z_A)_i * (T_A)_i * R]} \right) * N_{GC}$$

Where:

$(N_2)_i$ = Nitrogen Volume (SCF)

$(P_A)_i$ = Average Wellbore Pressure (psi)

$(B_v)_i$ = Wellbore Volume (ft^3)

$(Z_A)_i$ = Gas Compressibility Factor

$(T_A)_i$ = Wellbore Temperature (◦R)

R = Specific Gas Constant

N_{GC} = Nitrogen Gas Conversion (13.8 SCF = 1 lb.)

Upon completion of each specific volume/mass calculation the sum of each interval is calculated to determine the volume/mass of nitrogen in the wellbore at the beginning of the test. After the test is complete the calculation and summation are repeated to determine the final test results.

The following equations represent the summation of the intervals to the nitrogen-brine interface at the start and completion of the test:

$$(V_I) = \sum_o^{I/F} (N_2)_i$$

$$(V_F) = \sum_o^{I/F} (N_2)_i$$

The results of the beginning and completion of the test are compared and evaluated to determine the change in nitrogen volume during the test period. The following equation is used for the comparison:

$$(\Delta V)_{STP} = (V_I) - (V_F)$$

LONQUIST FIELD SERVICE	Nitrogen-Brine MIT Eagle US 2, LLC PPG No. 006-X Mechanical Integrity Test (MIT)		Project No.: F1974 Date: 11/23/2021 Page: 7 of 11
Well: PPG No. 006-X	**State:** Louisiana	**Parish:** Calcasieu	**Field:** Sulphur Mines (8759)
API / Serial No.: 57788 / 17-019-04009	**Oper.:** Eagle US 2, LLC	**Location:** 12 Miles W of Lake Charles	**Status:** Inactive

The calculated volume/mass change is based on standard temperature and pressure and to evaluate the test results against the MDLR the calculated volume/mass change is converted to downhole conditions with the following equation:

$$(\Delta V_{WB}) = \left(\frac{[(Z_A) * (T_A) * R * (\Delta V)_{STP}]}{[(P_A) * N_{GC}]} \right)$$

Where:

(ΔV_{WB})	=	Nitrogen Volume Change (ft^3) – Wellbore Conditions
(Z_A)	=	Average Gas Compressibility Factor for Test Period
(T_A)	=	Average Wellbore Temperature (◦R) for Test Period
R	=	Specific Gas Constant
$(\Delta V)_{STP}$	=	Nitrogen Volume Change (SCF) – Standard Conditions
(P_A)	=	Average Wellbore Pressure for Test Period (psi)
N_{GC}	=	Nitrogen Gas Conversion (13.8 SCF = 1 lb.)

The change in wellbore volume for the test period is converted into a calculated annual volume change. The following equation determines this volume change:

$$(\Delta V_{ANNUAL}) = \frac{[(\Delta V_{WB}) * 24(hr/day) * 365(day/yr)]}{T_L}$$

Where:

(ΔV_{ANNUAL})	=	Calculated Volume Change (bbl./year)
(ΔV_{WB})	=	Nitrogen Volume Change (ft^3) – Wellbore Conditions
(T_L)	=	Test Length (hrs.)

A positive change in wellbore volume indicates a calculated loss of nitrogen from the wellbore during the test period. A negative change in wellbore volume indicates a calculated increase (apparent nitrogen influx) in nitrogen volume during the test period.

LONQUIST FIELD SERVICE	Nitrogen-Brine MIT Eagle US 2, LLC PPG No. 006-X Mechanical Integrity Test (MIT)		Project No.: F1974 Date: 11/23/2021 Page: 8 of 11
Well: PPG No. 006-X	**State:** Louisiana	**Parish:** Calcasieu	**Field:** Sulphur Mines (8759)
API / Serial No.: 57788 / 17-019-04009	**Oper.:** Eagle US 2, LLC	**Location:** 12 Miles W of Lake Charles	**Status:** Inactive

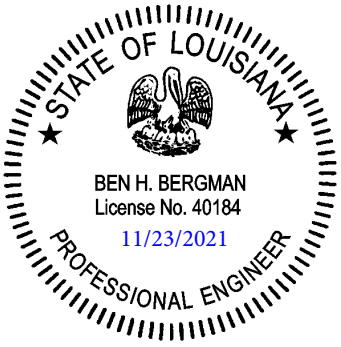
Pass/Fail Criteria

Test results are evaluated for a successful test using the following criteria:

- MDLR less than 1,000 bbl./day
- Calculated Annual Volume Change less than the MDLR
- Pressure response, wellbore temperature, and interface movement should respond in a way that represents the cavern has mechanical integrity

Test Reporting

A written report will be prepared within 60 days of completion and submitted to the Louisiana Department of Natural Resources. The report will include the test procedures, test chronology, test results and conclusions, wireline logs, pressure information, and all supporting documentation.



Certified By:
Lonquist Field Service, LLC
Louisiana Registration No. EF-5853

11/23/2021 P.E.

Ben H. Bergman, P.E.
Senior Staff Engineer
Louisiana License No. 40184

Date Signed: November 23rd, 2021
Houston, Texas

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Lonquist Field Service, LLC
Colten Long	11/15/2021	Ben Bergman	11/23/2021			Louisiana Registration No EF5853

LONQUIST FIELD SERVICE	Nitrogen-Brine MIT		Project No.: F1974
	Eagle US 2, LLC PPG No. 006-X Mechanical Integrity Test (MIT)		Date: 11/23/2021
			Page: 9 of 11
Well: PPG No. 006-X	**State:** Louisiana	**Parish:** Calcasieu	**Field:** Sulphur Mines (8759)
API / Serial No.: 57788 / 17-019-04009	**Oper.:** Eagle US 2, LLC	**Location:** 12 Miles W of Lake Charles	**Status:** Inactive

Nitrogen-Brine MIT Plan

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Lonquist Field Service, LLC
Colten Long	11/15/2021	Ben Bergman	11/23/2021			Louisiana Registration No EF5853

TEST PLANNING SHEET

Well Name:	PPG No. 006-X
Operator:	Eagle US 2, LLC.
State:	Louisiana
County/Parish:	Calcasieu
Field:	Sulphur Mines Brine Field
Serial/API:	57788 / 17-019-04009

WELL INFORMATION

Production Casing		
Casing Size	7.625	inches
Casing ID	6.969	inches
Casing Weight	26.5	lbs/ft
Grade	K-55, 8-rd	
Depth	2505	feet

Casing Liner		
Casing Size		inches
Casing ID		inches
Casing Weight		lbs/ft
Grade		
Depth		feet

Outer Hanging String		
Casing Size	5.500	inches
Casing ID	4.950	inches
Casing Weight	15.5	lbs/ft
Grade	J-55, LTC	
Depth	2623	feet

Inner Hanging String		
Casing Size		inches
Casing ID		inches
Casing Weight		lbs/ft
Grade		
Depth		feet

Cavern		
Cavern Size	10,125,699	bbls
Compressibility	30.68	bbls/psi
Cavern TD	3271	feet

TEST INFORMATION

Effective Casing Shoe	2505	feet	**Casing Shoe Pressure**	1744.77	psia
Test Gradient	0.70	psia/ft	**Interface Pressure**	1746.16	psia
Brine Specific Gravity	1.2		**Surface Tubing Pressure**	416.88	psig
Nitrogen Temperature	98	deg F	**Surface Annulus Pressure**	1601.02	psig
Interface Depth	2530	feet	**Pressure Increase**	1.88	psi
Gas Compressibility	1.0181		**Conversion**	14.70	psi

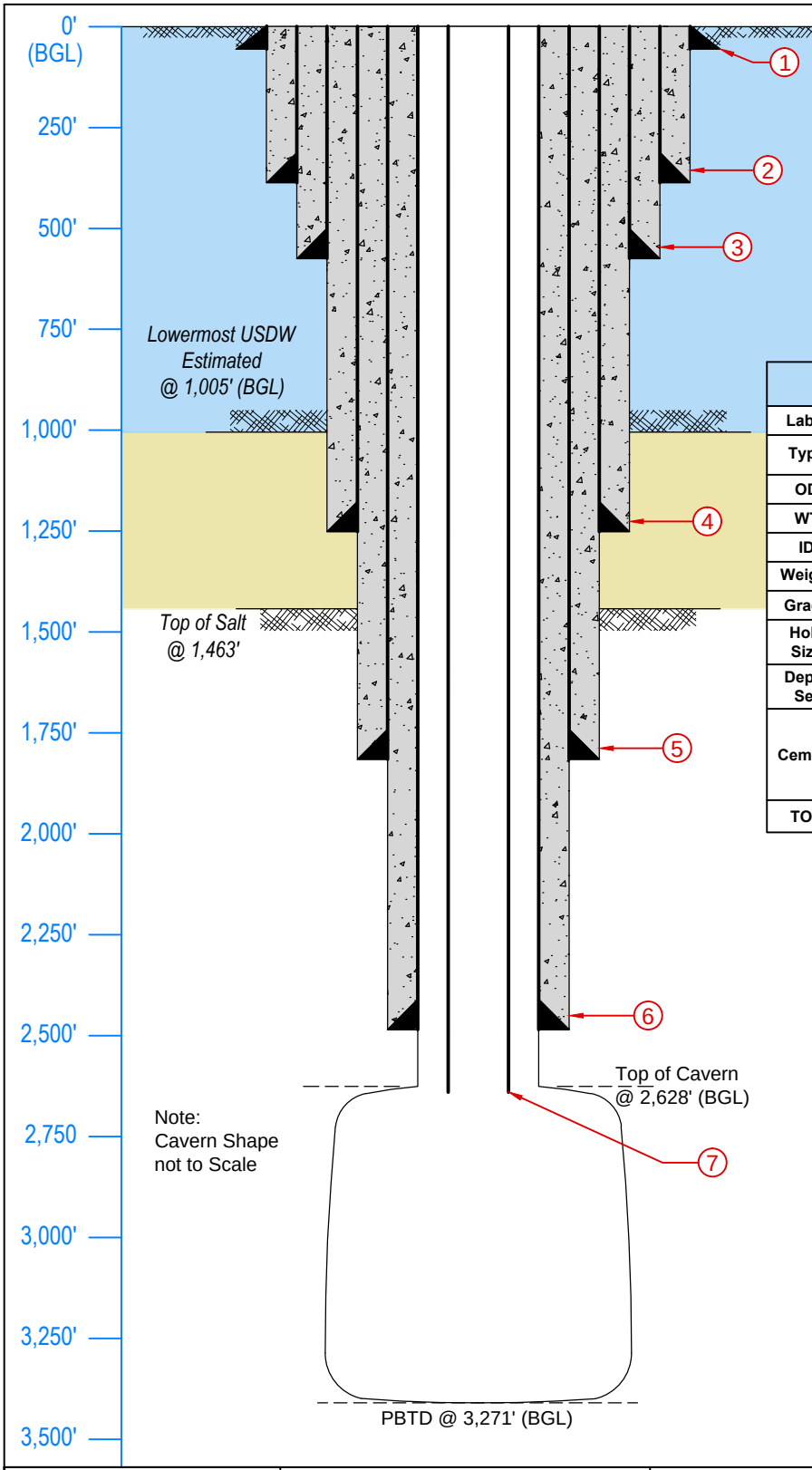
Volume		
Annular Volume No. 1	0.01779	bbls/ft
Annular Volume No. 2		bbls/ft
Surface to Liner Shoe		bbls
Surface to Casing Shoe	44.6	bbls
Casing Shoe to Interface	13.0	bbls
Total	57.6	bbls

Nitrogen		
Surface to Casing Shoe	26,665	SCF
Casing Shoe to Interface	8,079	SCF
Total	34,745	SCF
Brine		
Cavern Pre-Pressure	415.00	psig
Brine Injection	12734	bbls

LONQUIST FIELD SERVICE	**Nitrogen-Brine MIT** **Eagle US 2, LLC** **PPG No. 006-X** **Mechanical Integrity Test (MIT)**		**Project No.:** F1974 Date: 11/23/2021 Page: 10 of 11
Well: PPG No. 006-X	**State:** Louisiana	**Parish:** Calcasieu	**Field:** Sulphur Mines (8759)
API / Serial No.: 57788 / 17-019-04009	**Oper.:** Eagle US 2, LLC	**Location:** 12 Miles W of Lake Charles	**Status:** Inactive

Wellbore Schematic

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Lonquist Field Service, LLC
Colten Long	11/15/2021	Ben Bergman	11/23/2021			Louisiana Registration No EF5853



GL:	12.0'
Spud:	8-26-1955
Depths indicated are Measured Depths unless otherwise noted	

Casing Information

Label	1	2	3	4	5	6
Type	Drive Pipe	Conductor #1	Conductor #2	Surface	Intermediate	Production
OD	30"	18"	16"	13-3/8"	10-3/4"	7-5/8"
WT	N/A	N/A	0.375"	0.38"	0.279"	0.328"
ID	N/A	N/A	15.25"	12.615"	10.192"	6.969"
Weight	N/A	N/A	62.50 lb/ft	54.5 lb/ft	32.75 lb/ft	26.50 lb/ft
Grade	N/A	N/A	H Welded	J-55 8RD	J-55 8RD	K-55 8RD
Hole Size	30"	22"	22"	15"	13-3/8"	12-1/4"
Depth Set	48'	407'	607'	1,272'	1,841'	2,505'
Cement	Driven to Refusal	Volume: unknown	Volume: 500 sks	Volume: 335 sks	Volume: 500 sks	Volume: 500 sks
TOC		Surface	Surface	Surface	Surface	Surface

Tubing Information

Label	7
Type	Hanging String
OD	5-1/2"
WT	0.275"
ID	4.95"
Weight	15.5 lb/ft
Grade	J-55
Connection	LTC
Depth Set	2,623'

Additional Notes

Sonar Data:
Date: 7-6-2016 Sonar Volume: 10,125,698.5 bbls
Top of Cavern: 2,628' Bottom of Cavern: 3,271'
Max Radius: 430.7' in E-NE direction @ 3,081' depth

Sonar Data:
Date: 7-13-2011 Sonar Volume: 10,291,696 bbls
Top of Cavern: 2,628' Bottom of Cavern: 3,412'
Max Radius: 424.4' in E-NE direction @ 3,085' depth

LONQUIST FIELD SERVICE
AUSTIN WICHITA HOUSTON CALGARY
Louisiana License EF-5853
12912 Hill Country Blvd, Suite F-200
Austin, Texas 78738
Tel: 512.732.9812
Fax: 512.732.9816

Eagle US 2, LLC	PPG No. 006-X	
Country: USA	**State/Province:** Louisiana	**County/Parish:** Calcasieu
Location: 12 mi. west of Lake Charles	**Site:** Sulphur Mines Brine Field	**Status:** Inactive
Survey/STR: S-029 T-09S R-10W	**Field:** Sulphur Mines (8759)	**Serial No:** 57788
Well API No: 17-019-04009	**Project No:** F1974	**Date:** 11/23/2021
Drawn: JRW	**Reviewed:** SLP	**Approved:** BHB
Rev No:	**Notes:**	

LONQUIST FIELD SERVICE	**Nitrogen-Brine MIT** **Eagle US 2, LLC** **PPG No. 006-X** **Mechanical Integrity Test (MIT)**		**Project No.:** F1974 Date: 11/23/2021 Page: 11 of 11
Well: PPG No. 006-X	**State:** Louisiana	**Parish:** Calcasieu	**Field:** Sulphur Mines (8759)
API / Serial No.: 57788 / 17-019-04009	**Oper.:** Eagle US 2, LLC	**Location:** 12 Miles W of Lake Charles	**Status:** Inactive

Wellhead Schematic

PREPARED BY	DATE	APPROVED BY	DATE	CLIENT APPROVAL	DATE	Lonquist Field Service, LLC
Colten Long	11/15/2021	Ben Bergman	11/23/2021			Louisiana Registration No EF5853

Lonquist
c/o Eagle US 2 LLC
Sulphur Field
Well # 6X

BHTA: OCT, 4-1/16 2m

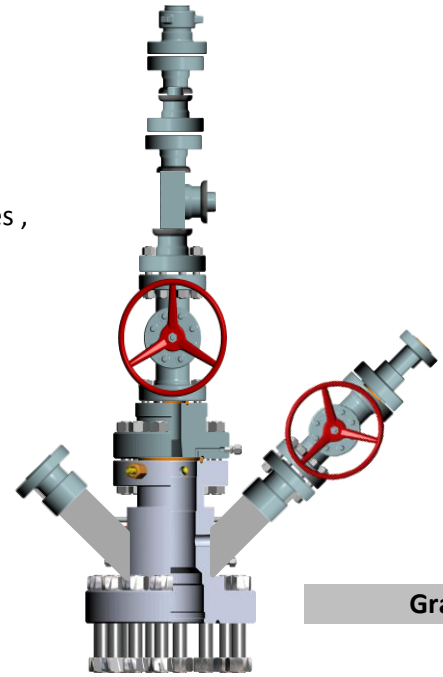
Welded Spool, 4" 600# X 4" 600

Welded Tee, 6" 600 X 4" 400 X (2) 6" lines ,

Ball valve, 6" 600# G/O

Studded Adapter, 9" 2m X 6" 600

Tbg Hd, 11" 2m X 9" 2m w/ (2) 6" 600 angled EFO's, (4) lockpins welded up



Welded Spool, 6" 600 X 2" 600

Ball valve, 6" 600#

Grating / Water

Appendix B – Injection Pressure Data

Nitrogen Injection

Well Name:	PPG No. 006-X
Operator:	Eagle US 2, LLC.
State:	Louisiana
County/Parish:	Calcasieu
Field:	Sulphur Mines Brine Field
Serial/API:	57788 / 17-019-04009

Flow Conditions

Date / Time	Tubing Gauge		Annulus Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Rate	Cum.
	psig	deg F	psig	deg F	deg F	scf/min	scf
12/13/21 16:39	394.16	73.92	424.27	73.59	65.70	56.39	1.88
12/13/21 16:41	396.13	73.67	405.07	73.45	71.62	0.00	4.65
12/13/21 16:43	395.77	73.45	405.03	73.32	72.91	0.00	4.65
12/13/21 16:45	395.75	73.26	405.00	73.16	73.19	0.00	4.65
12/13/21 16:47	395.19	73.06	424.54	72.99	72.79	67.09	56.40
12/13/21 16:49	395.36	72.88	451.52	72.81	73.30	92.00	175.06
12/13/21 16:51	395.77	72.69	474.80	72.64	73.65	78.30	289.37
12/13/21 16:53	395.22	72.52	557.70	72.49	81.50	386.93	749.11
12/13/21 16:55	395.89	72.36	632.53	72.35	95.38	388.41	1524.09
12/13/21 16:57	395.97	72.21	695.67	72.23	105.79	385.15	2297.93
12/13/21 16:59	396.39	72.08	752.31	72.18	112.48	381.11	3066.63
12/13/21 17:01	396.02	71.98	802.63	72.21	115.96	386.35	3803.99
12/13/21 17:03	396.07	71.92	850.76	72.34	116.65	384.57	4572.43
12/13/21 17:05	396.08	71.90	895.42	72.52	113.01	385.03	5340.71
12/13/21 17:07	396.16	71.92	937.01	72.73	106.36	377.75	6104.68
12/13/21 17:09	396.21	71.96	975.34	72.90	99.22	384.37	6837.19
12/13/21 17:11	396.17	72.01	1013.28	73.02	94.92	387.73	7610.39
12/13/21 17:13	396.38	72.06	1049.30	73.06	94.97	389.71	8380.38
12/13/21 17:15	396.15	72.08	1084.56	73.05	95.52	398.04	9159.63
12/13/21 17:17	396.55	72.07	1118.17	72.96	95.87	381.53	9942.92
12/13/21 17:19	396.58	72.04	1150.74	72.85	96.01	392.18	10720.58
12/13/21 17:21	396.05	71.99	1182.39	72.76	97.51	388.67	11503.20
12/13/21 17:23	396.74	71.93	1213.29	72.66	102.64	390.02	12285.56
12/13/21 17:25	396.79	71.87	1242.95	72.60	105.74	387.99	13064.54
12/13/21 17:27	396.41	71.81	1271.75	72.57	106.43	391.63	13844.07
12/13/21 17:29	396.91	71.77	1299.83	72.59	105.36	405.39	14631.58
12/13/21 17:31	396.97	71.75	1326.75	72.63	101.58	397.89	15421.27
12/13/21 17:33	396.22	71.72	1353.44	72.65	102.22	395.50	16210.21
12/13/21 17:35	397.10	71.69	1379.71	72.64	104.75	400.79	17010.49
12/13/21 17:37	397.12	71.64	1404.83	72.58	103.25	394.21	17804.59
12/13/21 17:39	397.17	71.57	1429.40	72.51	103.68	390.43	18597.98
12/13/21 17:41	396.62	71.49	1453.03	72.44	105.33	395.26	19391.12
12/13/21 17:43	397.28	71.41	1476.63	72.37	103.30	403.08	20187.38
12/13/21 17:45	397.31	71.32	1499.87	72.31	101.99	399.70	20984.54
12/13/21 17:47	397.33	71.24	1522.69	72.22	103.13	399.21	21783.55
12/13/21 17:49	397.38	71.13	1545.46	72.12	104.71	398.18	22581.50
12/13/21 17:51	396.87	71.01	1550.18	71.99	102.34	0.00	22808.29
12/13/21 17:53	397.39	70.90	1549.79	71.86	99.76	0.00	22808.29
12/13/21 17:55	397.83	70.78	1549.48	71.72	97.93	0.00	22808.29
12/13/21 17:57	397.37	70.63	1549.27	71.49	96.09	0.00	22808.29
12/13/21 17:59	397.42	70.47	1549.05	71.23	94.43	0.00	22808.29
12/13/21 18:01	397.41	70.30	1548.91	71.02	92.97	0.00	22808.29

Nitrogen Injection

Well Name:	PPG No. 006-X
Operator:	Eagle US 2, LLC.
State:	Louisiana
County/Parish:	Calcasieu
Field:	Sulphur Mines Brine Field
Serial/API:	57788 / 17-019-04009

Flow Conditions

Date / Time	Tubing Gauge		Annulus Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Rate	Cum.
	psig	deg F	psig	deg F	deg F	scf/min	scf
12/13/21 18:03	397.24	70.15	1548.76	70.83	91.64	0.00	22808.29
12/13/21 18:05	397.56	70.03	1548.60	70.65	90.30	0.00	22808.29
12/13/21 18:07	397.40	69.91	1548.41	70.47	89.12	0.00	22808.29
12/13/21 18:09	397.39	69.79	1548.28	70.32	88.00	0.00	22808.29
12/13/21 18:11	397.36	69.67	1548.14	70.17	86.94	0.00	22808.29
12/13/21 18:13	397.39	69.56	1548.03	70.02	85.89	0.00	22808.29
12/13/21 18:15	397.38	69.44	1547.89	69.87	84.89	0.00	22808.29
12/13/21 18:17	397.41	69.32	1547.80	69.72	84.03	0.00	22808.29
12/13/21 18:19	397.16	69.18	1547.67	69.54	83.23	0.00	22808.29
12/13/21 18:21	397.34	69.01	1547.60	69.30	82.45	0.00	22808.29
12/13/21 18:23	397.36	68.77	1547.49	69.01	81.72	0.00	22808.29
12/13/21 18:25	397.15	68.53	1547.38	68.71	81.04	0.00	22808.29
12/13/21 18:27	397.47	68.28	1547.28	68.42	80.38	0.00	22808.29
12/13/21 18:29	397.38	68.05	1547.20	68.17	79.71	0.00	22808.29
12/13/21 18:31	397.39	67.88	1547.12	67.97	79.02	0.00	22808.29
12/13/21 18:33	397.40	67.73	1547.05	67.82	78.38	0.00	22808.29
12/13/21 18:35	397.43	67.61	1546.90	67.70	77.83	0.00	22812.27
12/13/21 18:37	397.35	67.51	1547.26	67.61	75.73	91.61	22822.19
12/13/21 18:39	397.41	67.43	1557.82	67.54	80.07	0.00	23198.95
12/13/21 18:41	397.45	67.37	1557.64	67.48	77.93	0.00	23198.95
12/13/21 18:43	397.35	67.31	1557.56	67.43	76.82	0.00	23198.95
12/13/21 18:45	397.38	67.25	1557.48	67.38	76.05	0.00	23198.95
12/13/21 18:47	397.37	67.19	1557.41	67.33	75.44	0.00	23198.95
12/13/21 18:49	397.37	67.14	1557.35	67.28	74.90	0.00	23198.95
12/13/21 18:51	397.35	67.11	1557.30	67.24	74.40	0.00	23198.95
12/13/21 18:53	397.21	67.09	1557.23	67.22	73.94	0.00	23198.95
12/13/21 18:55	397.46	67.11	1557.17	67.22	73.54	0.00	23198.95
12/13/21 18:57	397.30	67.15	1557.12	67.26	73.16	0.00	23198.95
12/13/21 18:59	397.30	67.19	1557.05	67.29	72.80	0.00	23198.95
12/13/21 19:01	397.29	67.19	1556.99	67.30	72.44	0.00	23198.95
12/13/21 19:03	397.30	67.19	1556.94	67.28	72.10	0.00	23198.95
12/13/21 19:05	397.31	67.18	1556.89	67.27	71.76	0.00	23198.95
12/13/21 19:07	397.32	67.16	1556.83	67.24	71.42	0.00	23198.95
12/13/21 19:09	397.08	67.13	1556.79	67.22	71.11	0.00	23198.95
12/13/21 19:11	397.24	67.10	1556.73	67.18	70.79	0.00	23198.95
12/13/21 19:13	397.28	67.06	1556.68	67.14	70.50	0.00	23198.95
12/13/21 19:15	397.46	67.02	1556.62	67.10	70.22	0.00	23198.95
12/13/21 19:17	397.28	67.00	1556.57	67.07	69.96	0.00	23198.95
12/13/21 19:19	397.28	67.00	1556.54	67.06	69.76	0.00	23198.95
12/13/21 19:21	397.26	67.02	1556.49	67.07	69.59	0.00	23198.95
12/13/21 19:23	396.83	67.06	1556.46	67.11	69.43	0.00	23198.95

Nitrogen Injection

Well Name:	PPG No. 006-X
Operator:	Eagle US 2, LLC.
State:	Louisiana
County/Parish:	Calcasieu
Field:	Sulphur Mines Brine Field
Serial/API:	57788 / 17-019-04009

Flow Conditions

Date / Time	Tubing Gauge		Annulus Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Rate	Cum.
	psig	deg F	psig	deg F	deg F	scf/min	scf
12/13/21 19:25	396.88	67.11	1556.42	67.16	69.28	0.00	23198.95
12/13/21 19:27	397.26	67.16	1556.37	67.21	69.14	0.00	23198.95
12/13/21 19:29	397.24	67.19	1556.32	67.24	68.99	0.00	23198.95
12/13/21 19:31	397.22	67.20	1556.29	67.25	68.87	0.00	23198.95
12/13/21 19:33	397.26	67.20	1556.24	67.25	68.73	0.00	23198.95
12/13/21 19:35	397.18	67.21	1556.20	67.25	68.61	0.00	23198.95
12/13/21 19:37	397.28	67.23	1556.19	67.27	68.51	0.00	23198.95
12/13/21 19:39	396.93	67.27	1556.14	67.30	68.43	0.00	23198.95
12/13/21 19:41	397.24	67.31	1556.11	67.34	68.35	0.00	23198.95
12/13/21 19:43	397.21	67.34	1556.08	67.38	68.28	0.00	23198.95
12/13/21 19:45	397.38	67.38	1556.04	67.42	68.22	0.00	23198.95
12/13/21 19:47	397.19	67.42	1556.01	67.45	68.15	0.00	23198.95
12/13/21 19:49	397.20	67.45	1555.97	67.49	68.10	0.00	23198.95
12/13/21 19:51	397.24	67.48	1555.94	67.51	68.04	0.00	23198.95
12/13/21 19:53	397.20	67.51	1555.92	67.54	67.99	0.00	23198.95
12/13/21 19:55	397.06	67.53	1555.89	67.56	67.93	0.00	23198.95
12/13/21 19:57	397.21	67.56	1555.86	67.58	67.89	0.00	23198.95
12/13/21 19:59	397.18	67.59	1555.83	67.61	67.85	0.00	23198.95
12/13/21 20:01	397.19	67.62	1555.79	67.64	67.80	0.00	23198.95
12/13/21 20:03	397.20	67.65	1555.76	67.67	67.76	0.00	23198.95
12/13/21 20:05	397.25	67.67	1555.75	67.69	67.72	0.00	23198.95
12/13/21 20:07	397.18	67.69	1555.72	67.71	67.68	0.00	23198.95
12/13/21 20:09	397.01	67.71	1555.70	67.73	50.59	0.00	23199.35
12/13/21 20:11	397.16	67.75	1555.73	67.76	59.96	0.00	23214.72
12/13/21 20:13	397.19	67.78	1555.72	67.80	63.89	0.00	23242.92
12/13/21 20:15	397.18	67.81	1555.70	67.82	65.62	0.00	23242.92
12/13/21 20:17	397.20	67.83	1555.66	67.84	66.44	0.00	23242.92
12/13/21 20:19	397.21	67.83	1555.63	67.85	66.85	0.00	23242.92
12/13/21 20:21	397.27	67.84	1555.62	67.85	67.09	0.00	23242.92
12/13/21 20:23	397.20	67.84	1555.60	67.85	67.23	0.00	23242.92
12/13/21 20:25	397.16	67.83	1555.58	67.85	67.32	0.00	23242.92
12/13/21 20:27	396.98	67.84	1555.56	67.85	67.40	0.00	23242.92
12/13/21 20:29	397.19	67.84	1555.54	67.85	67.46	0.00	23242.92
12/13/21 20:31	397.26	67.85	1555.52	67.86	67.53	0.00	23242.92
12/13/21 20:33	397.19	67.86	1555.48	67.87	67.58	0.00	23242.92
12/13/21 20:35	397.20	67.87	1555.47	67.89	67.62	0.00	23242.92
12/13/21 20:37	397.19	67.87	1555.44	67.88	67.65	0.00	23242.92
12/13/21 20:39	397.03	67.86	1555.43	67.87	67.67	0.00	23242.92
12/13/21 20:41	397.26	67.86	1555.42	67.87	67.68	0.00	23242.92
12/13/21 20:43	397.16	67.85	1555.39	67.87	67.69	0.00	23242.92
12/13/21 20:45	396.93	67.85	1555.37	67.86	67.70	0.00	23242.92

Nitrogen Injection

Well Name:	PPG No. 006-X
Operator:	Eagle US 2, LLC.
State:	Louisiana
County/Parish:	Calcasieu
Field:	Sulphur Mines Brine Field
Serial/API:	57788 / 17-019-04009

Flow Conditions

Date / Time	Tubing Gauge		Annulus Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Rate	Cum.
	psig	deg F	psig	deg F	deg F	scf/min	scf
12/13/21 20:47	397.15	67.86	1555.34	67.87	67.71	0.00	23242.92
12/13/21 20:49	397.21	67.87	1555.32	67.88	67.72	0.00	23242.92
12/13/21 20:51	397.16	67.88	1555.31	67.89	67.73	0.00	23242.92
12/13/21 20:53	397.10	67.88	1555.28	67.90	67.74	0.00	23242.92
12/13/21 20:55	397.01	67.88	1555.29	67.90	67.73	0.00	23242.92
12/13/21 20:57	397.19	67.88	1555.26	67.90	67.72	0.00	23242.92
12/13/21 20:59	397.14	67.88	1555.23	67.90	67.72	0.00	23242.92
12/13/21 21:01	397.14	67.89	1555.21	67.91	67.71	0.00	23242.92
12/13/21 21:03	397.21	67.89	1555.19	67.91	67.70	0.00	23242.92
12/13/21 21:05	397.12	67.89	1555.17	67.91	67.69	0.00	23242.92
12/13/21 21:07	397.13	67.90	1555.16	67.91	67.68	0.00	23242.92
12/13/21 21:09	396.96	67.91	1555.14	67.92	67.67	0.00	23242.92
12/13/21 21:11	397.12	67.92	1555.13	67.93	67.67	0.00	23242.92
12/13/21 21:13	397.13	67.92	1555.12	67.94	67.66	0.00	23242.92
12/13/21 21:15	397.15	67.92	1555.10	67.93	67.65	0.00	23242.92
12/13/21 21:17	397.13	67.92	1555.08	67.93	67.64	0.00	23242.92
12/13/21 21:19	397.13	67.91	1555.06	67.92	67.63	0.00	23242.92
12/13/21 21:21	397.09	67.91	1555.04	67.91	67.63	0.00	23242.92
12/13/21 21:23	397.03	67.90	1555.03	67.91	67.62	0.00	23242.92
12/13/21 21:25	396.99	67.90	1555.01	67.91	67.61	0.00	23242.92
12/13/21 21:27	397.12	67.91	1554.99	67.91	67.61	0.00	23242.92
12/13/21 21:29	397.11	67.90	1554.98	67.91	67.60	0.00	23242.92
12/13/21 21:31	397.09	67.90	1554.97	67.91	67.59	0.00	23242.92
12/13/21 21:33	397.13	67.90	1554.95	67.91	67.59	0.00	23242.92
12/13/21 21:35	397.15	67.90	1554.94	67.91	67.58	0.00	23242.92
12/13/21 21:37	397.10	67.90	1554.92	67.90	67.57	0.00	23242.92
12/13/21 21:39	397.06	67.90	1554.91	67.90	67.56	0.00	23242.92
12/13/21 21:41	397.23	67.94	1554.92	67.92	67.56	0.00	23287.86
12/13/21 21:43	397.10	68.17	1554.91	68.03	68.40	0.00	23287.86
12/13/21 21:45	397.09	68.27	1554.86	68.15	71.26	0.00	23287.86
12/13/21 21:47	397.09	68.29	1554.84	68.21	69.17	0.00	23287.86
12/13/21 21:49	397.12	68.27	1554.76	68.21	80.54	0.00	23288.97
12/13/21 21:51	397.09	68.23	1554.65	68.19	71.98	0.00	23288.97
12/13/21 21:53	397.12	68.18	1564.47	68.16	76.48	422.19	23688.13
12/13/21 21:55	397.22	68.14	1565.34	68.13	90.34	421.04	24521.91
12/13/21 21:57	397.11	68.11	1566.49	68.13	102.92	415.80	25348.22
12/13/21 21:59	397.31	68.10	1567.36	68.26	110.33	415.15	26178.29
12/13/21 22:01	396.96	68.14	1568.25	68.50	111.02	403.99	27007.90
12/13/21 22:03	397.34	68.23	1569.64	68.82	107.30	401.96	27825.20
12/13/21 22:05	397.02	68.36	1575.11	69.18	103.61	896.88	29127.29
12/13/21 22:07	397.48	68.51	1579.31	69.47	107.69	886.14	30908.33

Nitrogen Injection

Well Name:	PPG No. 006-X
Operator:	Eagle US 2, LLC.
State:	Louisiana
County/Parish:	Calcasieu
Field:	Sulphur Mines Brine Field
Serial/API:	57788 / 17-019-04009

Flow Conditions

Date / Time	Tubing Gauge		Annulus Gauge		Flow Conditions		
	Pressure	Temp	Pressure	Temp	Temp	Rate	Cum.
	psig	deg F	psig	deg F	deg F	scf/min	scf
12/13/21 22:09	397.55	68.65	1581.89	69.73	94.93	888.84	32677.54
12/13/21 22:11	397.65	68.79	1584.33	69.91	104.46	883.66	34460.12
12/13/21 22:13	397.81	68.92	1586.46	70.03	102.34	883.09	36225.06
12/13/21 22:15	397.95	69.03	1588.67	70.12	97.47	882.06	37989.66
12/13/21 22:17	398.93	69.13	1591.13	70.20	104.59	881.47	39755.23
12/13/21 22:19	398.27	69.17	1601.65	70.24	97.75	5.64	40949.44

Appendix C – Test Pressure Data

TEST PRESSURE

Well Name:	PPG No. 006-X
Operator:	Eagle US 2, LLC.
State:	Louisiana
County/Parish:	Calcasieu
Field:	Sulphur Mines Brine Field
Serial/API:	57788 / 17-019-04009

PRESSURE INFORMATION

Date / Time	Tubing Pressure		Annulus Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
12/20/21 8:55	385.58	42.59	1570.41	42.51
12/20/21 9:00	386.51	42.94	1570.40	42.90
12/20/21 9:05	386.48	43.11	1570.37	43.12
12/20/21 9:10	386.47	43.22	1570.35	43.25
12/20/21 9:15	386.46	43.23	1570.36	43.28
12/20/21 9:20	386.45	43.40	1570.36	43.44
12/20/21 9:25	386.45	43.49	1570.35	43.54
12/20/21 9:30	386.46	43.51	1570.35	43.57
12/20/21 9:35	386.44	43.54	1570.36	43.59
12/20/21 9:40	386.44	43.53	1570.37	43.59
12/20/21 9:45	386.44	43.57	1570.36	43.62
12/20/21 9:50	386.42	43.76	1570.38	43.81
12/20/21 9:55	386.41	43.90	1570.35	43.95
12/20/21 10:00	386.41	44.11	1570.34	44.15
12/20/21 10:05	386.41	44.27	1570.33	44.32
12/20/21 10:10	386.45	44.26	1570.34	44.32
12/20/21 10:15	386.47	44.19	1570.34	44.23
12/20/21 10:20	386.46	44.10	1570.35	44.15
12/20/21 10:25	386.74	44.17	1570.35	44.21
12/20/21 10:30	386.81	44.35	1570.35	44.40
12/20/21 10:35	355.37	44.46	1570.36	44.49
12/20/21 10:40	-0.29	44.55	1570.35	44.58
12/20/21 10:45	386.61	44.72	1570.34	44.73
12/20/21 10:50	386.68	44.79	1570.35	44.81
12/20/21 10:55	386.69	44.94	1570.34	44.96
12/20/21 11:00	386.67	45.21	1570.33	45.23
12/20/21 11:05	386.67	45.59	1570.33	45.60
12/20/21 11:10	386.64	45.80	1570.31	45.81
12/20/21 11:15	386.64	45.93	1570.31	45.93
12/20/21 11:20	386.64	46.12	1570.29	46.12
12/20/21 11:25	386.63	46.31	1570.31	46.31
12/20/21 11:30	386.62	46.56	1570.33	46.56
12/20/21 11:35	386.61	46.92	1570.30	46.91
12/20/21 11:40	386.60	47.31	1570.27	47.29
12/20/21 11:45	386.59	47.63	1570.29	47.61
12/20/21 11:50	386.59	47.82	1570.28	47.81
12/20/21 11:55	386.57	48.23	1570.29	48.20
12/20/21 12:00	386.57	48.44	1570.26	48.40
12/20/21 12:05	386.58	48.62	1570.27	48.58
12/20/21 12:10	386.58	48.54	1570.26	48.50
12/20/21 12:15	386.58	48.51	1570.28	48.48
12/20/21 12:20	386.58	48.73	1570.32	48.70

TEST PRESSURE

Well Name:	PPG No. 006-X
Operator:	Eagle US 2, LLC.
State:	Louisiana
County/Parish:	Calcasieu
Field:	Sulphur Mines Brine Field
Serial/API:	57788 / 17-019-04009

PRESSURE INFORMATION

Date / Time	Tubing Pressure		Annulus Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
12/20/21 12:25	386.57	48.98	1570.27	48.94
12/20/21 12:30	386.57	49.06	1570.26	49.02
12/20/21 12:35	386.57	49.15	1570.28	49.09
12/20/21 12:40	386.55	49.65	1570.31	49.58
12/20/21 12:45	386.54	50.46	1570.27	50.38
12/20/21 12:50	386.52	51.24	1570.23	51.13
12/20/21 12:55	386.50	51.65	1570.23	51.52
12/20/21 13:00	386.50	52.14	1570.27	52.00
12/20/21 13:05	386.49	52.77	1570.22	52.61
12/20/21 13:10	386.49	53.01	1570.21	52.87
12/20/21 13:15	386.49	53.32	1570.27	53.14
12/20/21 13:20	386.48	53.82	1570.25	53.65
12/20/21 13:25	386.48	53.97	1570.23	53.82
12/20/21 13:30	386.48	54.19	1570.21	54.05
12/20/21 13:35	386.48	54.39	1570.23	54.26
12/20/21 13:40	386.47	54.86	1570.24	54.70
12/20/21 13:45	386.47	55.27	1570.23	55.09
12/20/21 13:50	386.47	55.69	1570.24	55.50
12/20/21 13:55	386.46	56.11	1570.22	55.94
12/20/21 14:00	386.45	56.48	1570.21	56.32
12/20/21 14:05	386.46	56.45	1570.23	56.27
12/20/21 14:10	386.48	56.29	1570.25	56.09
12/20/21 14:15	386.48	56.30	1570.24	56.12
12/20/21 14:20	386.47	56.41	1570.24	56.23
12/20/21 14:25	386.47	56.52	1570.26	56.34
12/20/21 14:30	386.47	56.72	1570.27	56.55
12/20/21 14:35	386.46	57.09	1570.25	56.92
12/20/21 14:40	386.45	57.32	1570.20	57.14
12/20/21 14:45	386.46	57.15	1570.24	56.96
12/20/21 14:50	386.46	57.04	1570.25	56.86
12/20/21 14:55	386.47	57.02	1570.27	56.84
12/20/21 15:00	386.45	57.43	1570.25	57.27
12/20/21 15:05	386.43	58.66	1570.25	58.48
12/20/21 15:10	386.40	60.25	1570.15	60.05
12/20/21 15:15	386.38	61.36	1570.20	61.15
12/20/21 15:20	386.41	61.45	1570.19	61.21
12/20/21 15:25	386.43	60.88	1570.25	60.64
12/20/21 15:30	386.47	60.21	1570.29	59.96
12/20/21 15:35	386.46	59.94	1570.28	59.73
12/20/21 15:40	386.45	60.08	1570.26	59.88
12/20/21 15:45	386.46	59.86	1570.27	59.65

TEST PRESSURE

Well Name:	PPG No. 006-X
Operator:	Eagle US 2, LLC.
State:	Louisiana
County/Parish:	Calcasieu
Field:	Sulphur Mines Brine Field
Serial/API:	57788 / 17-019-04009

PRESSURE INFORMATION

Date / Time	Tubing Pressure		Annulus Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
12/20/21 15:50	386.48	59.47	1570.27	59.26
12/20/21 15:55	386.48	59.15	1570.30	58.94
12/20/21 16:00	386.47	59.10	1570.28	58.90
12/20/21 16:05	386.46	59.51	1570.25	59.38
12/20/21 16:10	386.46	59.23	1570.23	59.11
12/20/21 16:15	386.49	58.49	1570.27	58.34
12/20/21 16:20	386.51	57.83	1570.26	57.71
12/20/21 16:25	386.52	57.02	1570.31	56.90
12/20/21 16:30	386.54	56.19	1570.30	56.08
12/20/21 16:35	386.54	55.52	1570.26	55.43
12/20/21 16:40	386.55	54.91	1570.27	54.83
12/20/21 16:45	386.54	54.29	1570.28	54.23
12/20/21 16:50	386.57	53.81	1570.28	53.77
12/20/21 16:55	386.56	53.38	1570.26	53.34
12/20/21 17:00	386.57	52.97	1570.26	52.96
12/20/21 17:05	386.56	52.60	1570.25	52.59
12/20/21 17:10	386.56	52.25	1570.24	52.26
12/20/21 17:15	386.56	51.96	1570.24	51.97
12/20/21 17:20	386.56	51.65	1570.24	51.67
12/20/21 17:25	386.57	51.41	1570.23	51.44
12/20/21 17:30	386.56	51.24	1570.23	51.28
12/20/21 17:35	386.55	51.07	1570.22	51.13
12/20/21 17:40	386.55	50.89	1570.23	50.94
12/20/21 17:45	386.56	50.73	1570.21	50.78
12/20/21 17:50	386.55	50.58	1570.23	50.64
12/20/21 17:55	386.55	50.43	1570.20	50.47
12/20/21 18:00	386.55	50.30	1570.21	50.36
12/20/21 18:05	386.56	50.19	1570.20	50.25
12/20/21 18:10	386.56	50.08	1570.20	50.14
12/20/21 18:15	386.55	49.97	1570.19	50.03
12/20/21 18:20	386.55	49.86	1570.19	49.92
12/20/21 18:25	386.55	49.78	1570.20	49.84
12/20/21 18:30	386.55	49.70	1570.19	49.77
12/20/21 18:35	386.54	49.63	1570.19	49.69
12/20/21 18:40	386.54	49.54	1570.20	49.61
12/20/21 18:45	386.56	49.46	1570.18	49.52
12/20/21 18:50	386.55	49.39	1570.20	49.45
12/20/21 18:55	386.55	49.30	1570.18	49.36
12/20/21 19:00	386.54	49.20	1570.19	49.26
12/20/21 19:05	386.55	49.11	1570.18	49.17
12/20/21 19:10	386.55	49.00	1570.19	49.06

TEST PRESSURE

Well Name:	PPG No. 006-X
Operator:	Eagle US 2, LLC.
State:	Louisiana
County/Parish:	Calcasieu
Field:	Sulphur Mines Brine Field
Serial/API:	57788 / 17-019-04009

PRESSURE INFORMATION

Date / Time	Tubing Pressure		Annulus Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
12/20/21 19:15	386.56	48.83	1570.17	48.89
12/20/21 19:20	386.56	48.64	1570.18	48.71
12/20/21 19:25	386.57	48.47	1570.19	48.53
12/20/21 19:30	386.57	48.29	1570.18	48.35
12/20/21 19:35	386.57	48.11	1570.19	48.19
12/20/21 19:40	386.56	47.85	1570.18	47.94
12/20/21 19:45	386.58	47.52	1570.19	47.61
12/20/21 19:50	386.58	47.22	1570.20	47.30
12/20/21 19:55	386.59	46.93	1570.22	47.03
12/20/21 20:00	386.59	46.62	1570.19	46.72
12/20/21 20:05	386.60	46.42	1570.22	46.51
12/20/21 20:10	386.59	46.34	1570.22	46.43
12/20/21 20:15	386.59	46.27	1570.21	46.37
12/20/21 20:20	386.59	46.11	1570.21	46.22
12/20/21 20:25	386.59	45.89	1570.20	46.00
12/20/21 20:30	386.59	45.60	1570.20	45.72
12/20/21 20:35	386.61	45.32	1570.21	45.44
12/20/21 20:40	386.61	45.08	1570.23	45.21
12/20/21 20:45	386.61	44.86	1570.21	44.99
12/20/21 20:50	386.61	44.66	1570.22	44.78
12/20/21 20:55	386.61	44.42	1570.20	44.55
12/20/21 21:00	386.61	44.15	1570.23	44.28
12/20/21 21:05	386.62	43.89	1570.20	44.03
12/20/21 21:10	386.62	43.66	1570.21	43.81
12/20/21 21:15	386.63	43.46	1570.20	43.60
12/20/21 21:20	386.64	43.25	1570.21	43.40
12/20/21 21:25	386.63	43.07	1570.22	43.23
12/20/21 21:30	386.63	42.95	1570.19	43.10
12/20/21 21:35	386.63	42.83	1570.20	42.98
12/20/21 21:40	386.64	42.76	1570.20	42.92
12/20/21 21:45	386.62	42.65	1570.19	42.81
12/20/21 21:50	386.63	42.53	1570.20	42.69
12/20/21 21:55	386.62	42.41	1570.19	42.56
12/20/21 22:00	386.62	42.24	1570.20	42.40
12/20/21 22:05	386.62	42.11	1570.18	42.27
12/20/21 22:10	386.63	41.97	1570.21	42.13
12/20/21 22:15	386.63	41.91	1570.21	42.07
12/20/21 22:20	386.63	41.87	1570.21	42.03
12/20/21 22:25	386.63	41.87	1570.20	42.02
12/20/21 22:30	386.62	42.00	1570.21	42.14
12/20/21 22:35	386.60	42.27	1570.21	42.40

TEST PRESSURE

Well Name:	PPG No. 006-X
Operator:	Eagle US 2, LLC.
State:	Louisiana
County/Parish:	Calcasieu
Field:	Sulphur Mines Brine Field
Serial/API:	57788 / 17-019-04009

PRESSURE INFORMATION

Date / Time	Tubing Pressure		Annulus Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
12/20/21 22:40	386.60	42.51	1570.20	42.64
12/20/21 22:45	386.58	42.70	1570.18	42.84
12/20/21 22:50	386.59	42.80	1570.17	42.94
12/20/21 22:55	386.59	42.85	1570.18	42.98
12/20/21 23:00	386.59	42.97	1570.17	43.09
12/20/21 23:05	386.58	43.14	1570.18	43.26
12/20/21 23:10	386.58	43.30	1570.19	43.42
12/20/21 23:15	386.57	43.41	1570.18	43.54
12/20/21 23:20	386.57	43.47	1570.18	43.59
12/20/21 23:25	386.58	43.49	1570.19	43.61
12/20/21 23:30	386.58	43.53	1570.18	43.64
12/20/21 23:35	386.58	43.59	1570.19	43.71
12/20/21 23:40	386.57	43.65	1570.19	43.76
12/20/21 23:45	386.57	43.64	1570.19	43.76
12/20/21 23:50	386.58	43.58	1570.19	43.70
12/20/21 23:55	386.58	43.47	1570.18	43.60
12/21/21 0:00	386.58	43.29	1570.18	43.43
12/21/21 0:05	386.58	43.11	1570.17	43.25
12/21/21 0:10	386.59	42.89	1570.20	43.03
12/21/21 0:15	386.60	42.63	1570.16	42.77
12/21/21 0:20	386.59	42.37	1570.18	42.52
12/21/21 0:25	386.62	42.12	1570.19	42.26
12/21/21 0:30	386.62	41.89	1570.17	42.03
12/21/21 0:35	386.61	41.66	1570.18	41.81
12/21/21 0:40	386.62	41.43	1570.18	41.58
12/21/21 0:45	386.62	41.26	1570.20	41.41
12/21/21 0:50	386.62	41.09	1570.19	41.24
12/21/21 0:55	386.62	40.99	1570.19	41.15
12/21/21 1:00	386.63	40.90	1570.19	41.06
12/21/21 1:05	386.62	40.92	1570.18	41.07
12/21/21 1:10	386.61	41.09	1570.19	41.24
12/21/21 1:15	386.60	41.37	1570.17	41.51
12/21/21 1:20	386.58	41.63	1570.19	41.77
12/21/21 1:25	386.57	41.84	1570.16	41.97
12/21/21 1:30	386.58	41.98	1570.15	42.10
12/21/21 1:35	386.57	42.12	1570.15	42.24
12/21/21 1:40	386.57	42.21	1570.15	42.34
12/21/21 1:45	386.57	42.29	1570.15	42.40
12/21/21 1:50	386.57	42.40	1570.15	42.51
12/21/21 1:55	386.56	42.51	1570.16	42.63
12/21/21 2:00	386.56	42.58	1570.15	42.71

TEST PRESSURE

Well Name:	PPG No. 006-X
Operator:	Eagle US 2, LLC.
State:	Louisiana
County/Parish:	Calcasieu
Field:	Sulphur Mines Brine Field
Serial/API:	57788 / 17-019-04009

PRESSURE INFORMATION

Date / Time	Tubing Pressure		Annulus Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
12/21/21 2:05	386.56	42.65	1570.17	42.77
12/21/21 2:10	386.56	42.72	1570.16	42.84
12/21/21 2:15	386.55	42.83	1570.16	42.94
12/21/21 2:20	386.55	42.91	1570.16	43.02
12/21/21 2:25	386.55	43.00	1570.17	43.11
12/21/21 2:30	386.54	43.10	1570.15	43.20
12/21/21 2:35	386.55	43.16	1570.16	43.26
12/21/21 2:40	386.54	43.20	1570.16	43.31
12/21/21 2:45	386.54	43.22	1570.16	43.32
12/21/21 2:50	386.54	43.17	1570.16	43.28
12/21/21 2:55	386.55	43.13	1570.17	43.24
12/21/21 3:00	386.54	43.13	1570.16	43.23
12/21/21 3:05	386.55	43.17	1570.16	43.27
12/21/21 3:10	386.54	43.26	1570.17	43.35
12/21/21 3:15	386.53	43.36	1570.16	43.45
12/21/21 3:20	386.54	43.43	1570.15	43.53
12/21/21 3:25	386.53	43.49	1570.16	43.58
12/21/21 3:30	386.53	43.48	1570.15	43.57
12/21/21 3:35	386.53	43.33	1570.13	43.44
12/21/21 3:40	386.53	43.06	1570.14	43.17
12/21/21 3:45	386.55	42.75	1570.15	42.87
12/21/21 3:50	386.56	42.46	1570.16	42.58
12/21/21 3:55	386.56	42.27	1570.15	42.39
12/21/21 4:00	386.56	42.16	1570.16	42.27
12/21/21 4:05	386.55	42.13	1570.16	42.23
12/21/21 4:10	386.55	42.08	1570.16	42.19
12/21/21 4:15	386.55	42.07	1570.15	42.18
12/21/21 4:20	386.55	42.09	1570.15	42.20
12/21/21 4:25	386.54	42.16	1570.15	42.26
12/21/21 4:30	386.55	42.26	1570.14	42.35
12/21/21 4:35	386.54	42.39	1570.14	42.49
12/21/21 4:40	386.54	42.51	1570.14	42.61
12/21/21 4:45	386.53	42.56	1570.15	42.66
12/21/21 4:50	386.53	42.40	1570.12	42.52
12/21/21 4:55	386.54	42.16	1570.13	42.27
12/21/21 5:00	386.54	42.13	1570.14	42.22
12/21/21 5:05	386.53	42.18	1570.15	42.27
12/21/21 5:10	386.54	42.22	1570.14	42.30
12/21/21 5:15	386.53	42.23	1570.14	42.33
12/21/21 5:20	386.53	42.24	1570.13	42.33
12/21/21 5:25	386.53	42.27	1570.13	42.35

TEST PRESSURE

Well Name:	PPG No. 006-X
Operator:	Eagle US 2, LLC.
State:	Louisiana
County/Parish:	Calcasieu
Field:	Sulphur Mines Brine Field
Serial/API:	57788 / 17-019-04009

PRESSURE INFORMATION

Date / Time	Tubing Pressure		Annulus Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
12/21/21 5:30	386.53	42.27	1570.13	42.36
12/21/21 5:35	386.52	42.20	1570.12	42.29
12/21/21 5:40	386.54	42.12	1570.13	42.22
12/21/21 5:45	386.53	42.05	1570.13	42.15
12/21/21 5:50	386.53	42.00	1570.13	42.10
12/21/21 5:55	386.53	41.86	1570.13	41.97
12/21/21 6:00	386.54	41.66	1570.13	41.77
12/21/21 6:05	386.55	41.59	1570.15	41.69
12/21/21 6:10	386.54	41.75	1570.15	41.84
12/21/21 6:15	386.53	41.94	1570.14	42.04
12/21/21 6:20	386.52	42.08	1570.13	42.17
12/21/21 6:25	386.52	42.18	1570.12	42.26
12/21/21 6:30	386.52	42.22	1570.13	42.31
12/21/21 6:35	386.52	42.15	1570.11	42.25
12/21/21 6:40	386.52	42.01	1570.12	42.11
12/21/21 6:45	386.52	41.90	1570.12	41.99
12/21/21 6:50	386.53	41.77	1570.12	41.87
12/21/21 6:55	386.53	41.71	1570.12	41.80
12/21/21 7:00	386.53	41.66	1570.12	41.76
12/21/21 7:05	386.53	41.51	1570.12	41.62
12/21/21 7:10	386.53	41.29	1570.12	41.40
12/21/21 7:15	386.54	41.04	1570.14	41.16
12/21/21 7:20	386.55	40.92	1570.14	41.03
12/21/21 7:25	386.55	40.90	1570.13	41.01
12/21/21 7:30	386.55	41.08	1570.13	41.21
12/21/21 7:35	386.54	41.45	1570.13	41.55
12/21/21 7:40	386.53	41.80	1570.13	41.89
12/21/21 7:45	386.51	42.17	1570.11	42.25
12/21/21 7:50	386.50	42.44	1570.12	42.53
12/21/21 7:55	386.51	42.96	1570.14	43.06
12/21/21 8:00	386.47	44.17	1570.09	44.29
12/21/21 8:05	386.43	45.54	1570.06	45.68
12/21/21 8:10	386.40	47.16	1570.02	47.27
12/21/21 8:15	386.37	48.54	1570.01	48.58
12/21/21 8:20	386.34	49.73	1569.97	49.73
12/21/21 8:25	386.33	50.78	1569.98	50.72
12/21/21 8:30	391.44	51.66	1569.99	51.59
12/21/21 8:35	0.84	52.57	1569.97	52.48
12/21/21 8:40	372.92	53.19	1569.99	53.03
12/21/21 8:45	386.16	53.31	1570.01	53.14
12/21/21 8:50	386.18	53.64	1570.07	53.45

TEST PRESSURE

Well Name:	PPG No. 006-X
Operator:	Eagle US 2, LLC.
State:	Louisiana
County/Parish:	Calcasieu
Field:	Sulphur Mines Brine Field
Serial/API:	57788 / 17-019-04009

PRESSURE INFORMATION

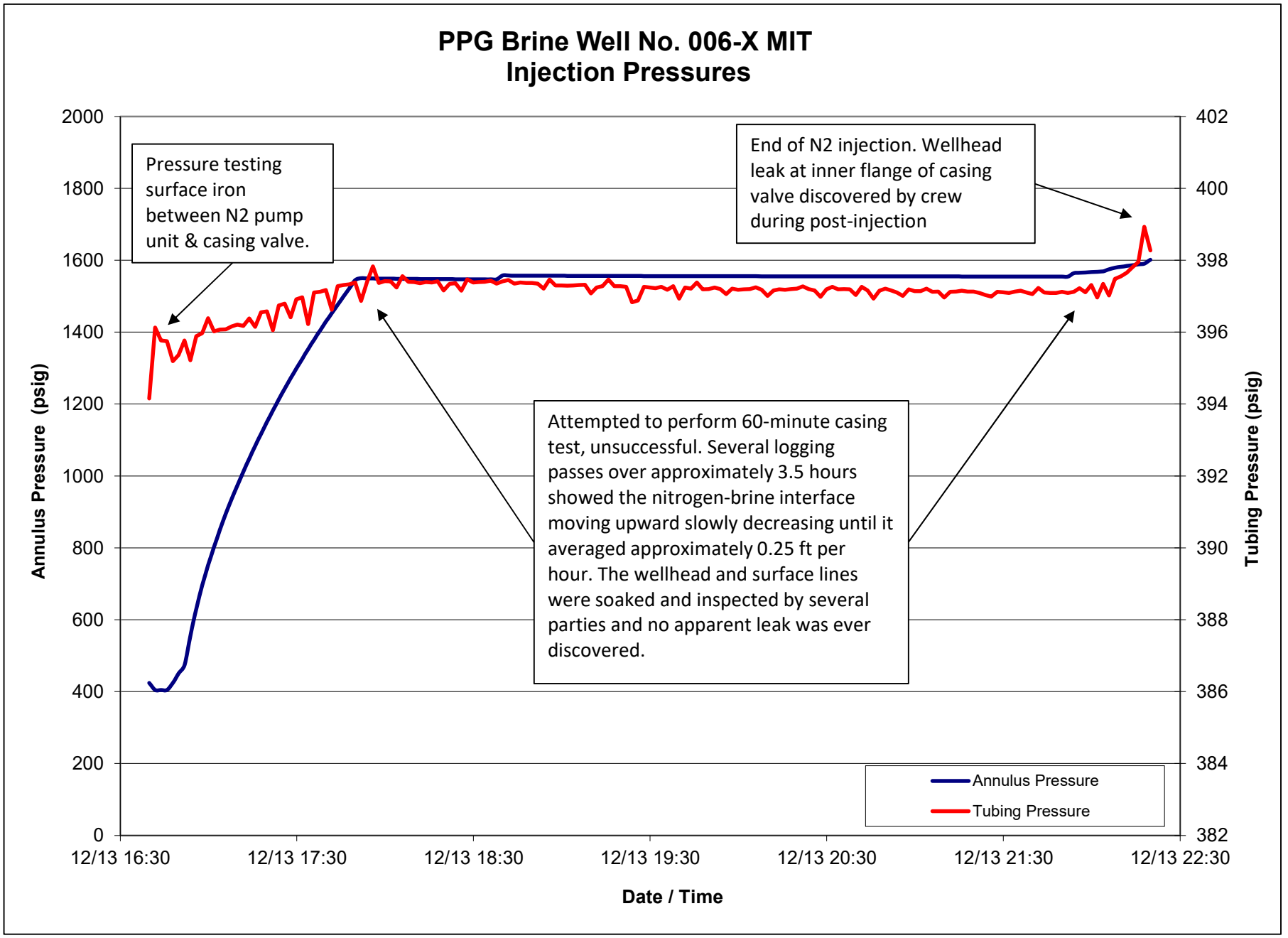
Date / Time	Tubing Pressure		Annulus Pressure	
	Pressure	Temp	Pressure	Temp
	psig	deg F	psig	deg F
12/21/21 8:55	386.16	54.15	1570.02	53.99

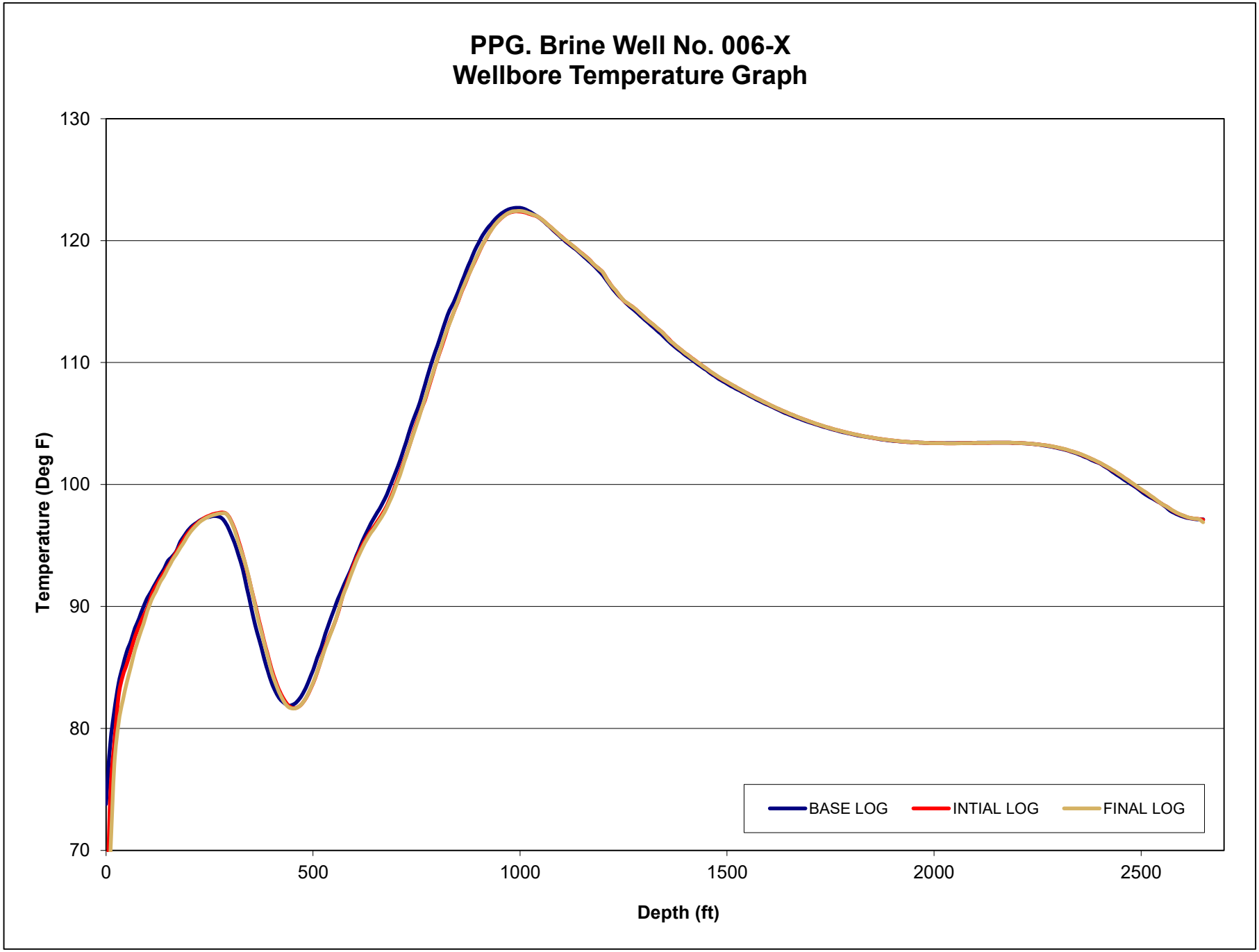
Appendix D – Borehole Volumes

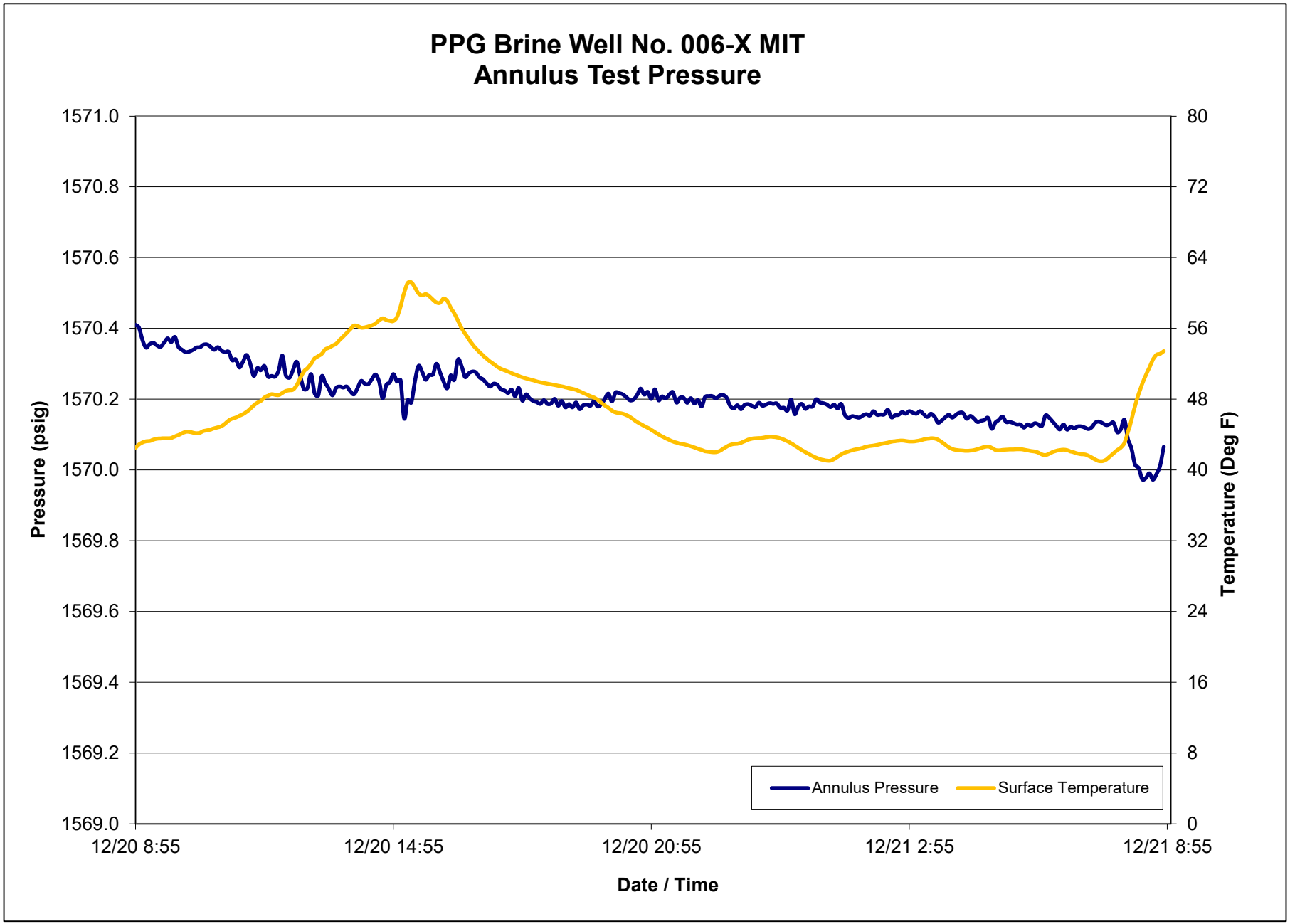
Eagle US 2, LLC
PPG No. 006-X Nitrogen-Brine MIT

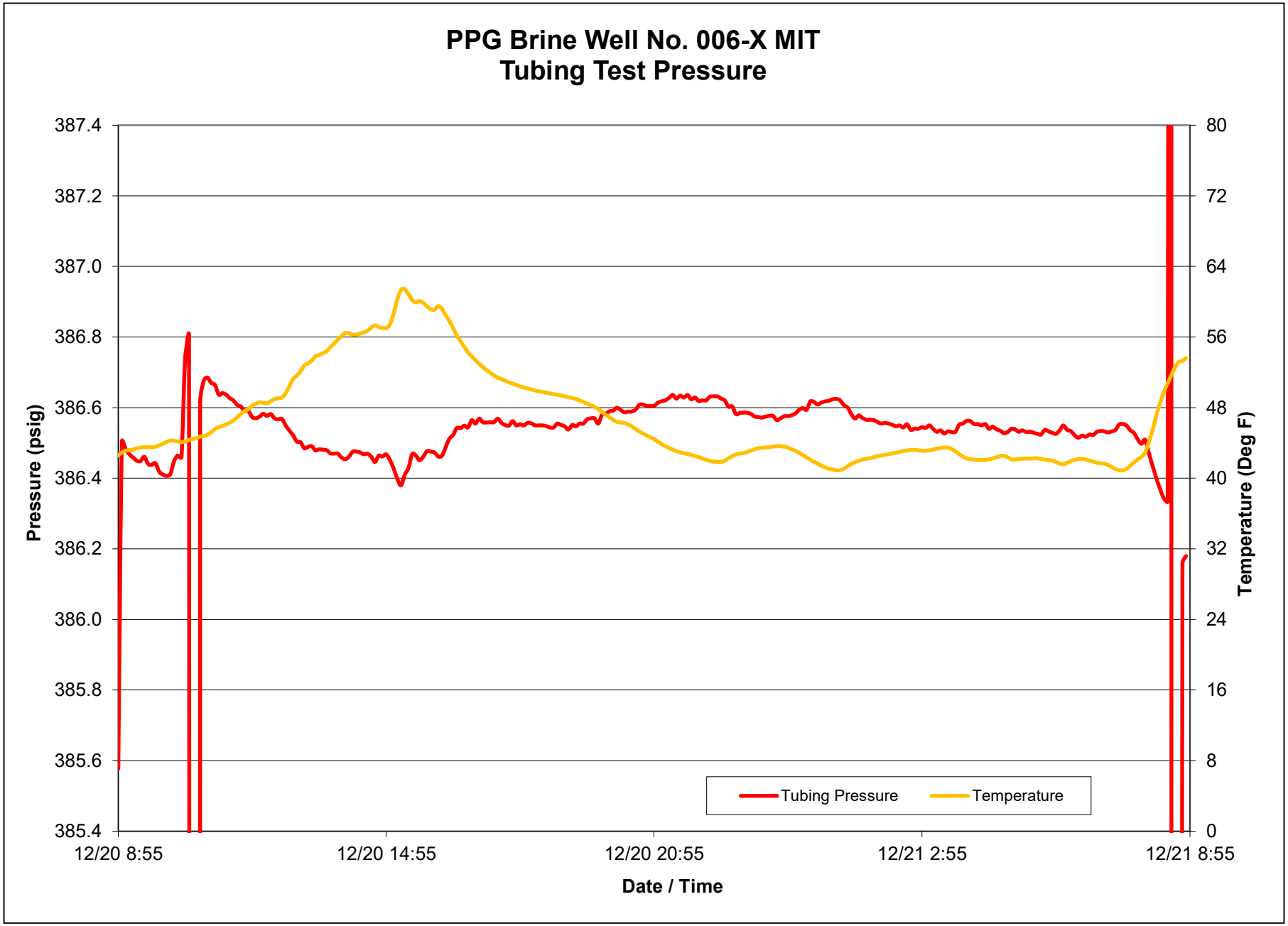
I/F Depth Logged [ft]	N2 Volume Turbine Cumulative [scf]	N2 Pressure Gauge [psig]	Borehole Volume Cumulative [bbls]	Borehole Volume Incremental Per Interval [bbls]	Borehole Volume Incremental Per Foot [bbls/ft]
2505	23659	1563.72	41.41	0.00	0.02
2510	24880	1565.66	43.49	41.41	0.42
2513	25584	1566.65	44.69	2.08	0.40
2515	26317	1567.52	45.95	1.20	0.63
2520	27852	1569.67	48.56	1.25	0.52
2530	29725	1576.70	51.60	2.61	0.30
2540	31291	1580.04	54.20	3.04	0.26
2550	34755	1584.08	60.05	2.60	0.58
2555	36724	1587.10	63.33	5.84	0.66
2560	39491	1590.51	67.96	3.28	0.93
2575	40949	1600.57	70.03	4.63	0.14

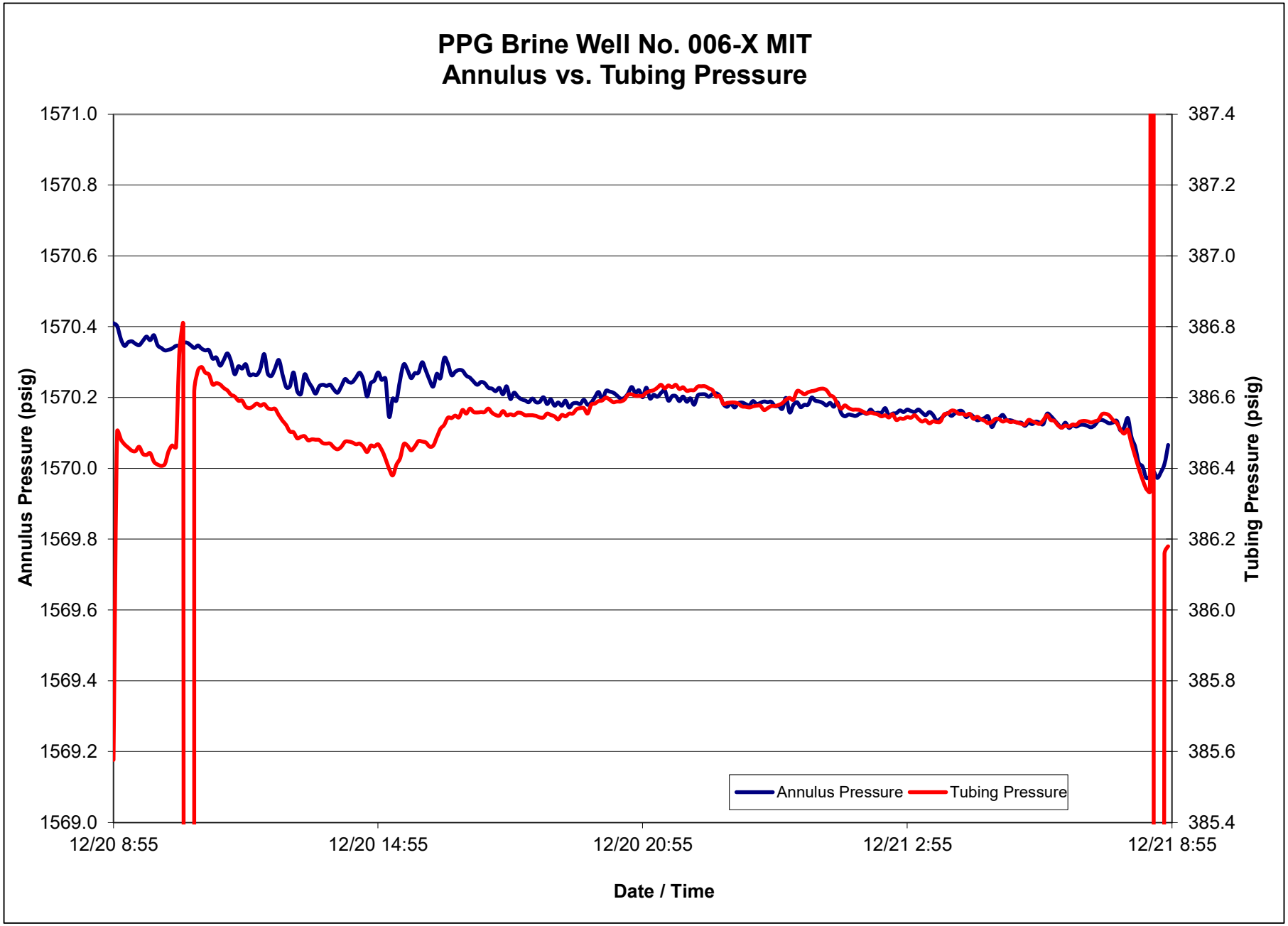
Appendix E – Pressure and Temperature Graphs


PPG Brine Well No. 006-X MIT
Injection Pressures
Pressure testing surface iron between N2 pump unit & casing valve.
End of N2 injection. Wellhead leak at inner flange of casing valve discovered by crew during post-injection
Attempted to perform 60-minute casing test, unsuccessful. Several logging passes over approximately 3.5 hours showed the nitrogen-brine interface moving upward slowly decreasing until it averaged approximately 0.25 ft per hour. The wellhead and surface lines were soaked and inspected by several parties and no apparent leak was ever discovered.
Annulus Pressure (psig)
Tubing Pressure (psig)
Date / Time
Annulus Pressure
Tubing Pressure
2000
1800
1600
1400
1200
1000
800
600
400
200
0
402
400
398
396
394
392
390
388
386
384
382
12/13 16:30
12/13 17:30
12/13 18:30
12/13 19:30
12/13 20:30
12/13 21:30
12/13 22:30


PPG. Brine Well No. 006-X
Wellbore Temperature Graph
130
120
110
100
90
80
70
Temperature (Deg F)
0
500
1000
1500
2000
2500
Depth (ft)
BASE LOG
INTIAL LOG
FINAL LOG


PPG Brine Well No. 006-X MIT
Annulus Test Pressure
Pressure (psig)
Temperature (Deg F)
Date / Time
1571.0
1570.8
1570.6
1570.4
1570.2
1570.0
1569.8
1569.6
1569.4
1569.2
1569.0
80
72
64
56
48
40
32
24
16
8
0
12/20 8:55
12/20 14:55
12/20 20:55
12/21 2:55
12/21 8:55
Annulus Pressure
Surface Temperature


PPG Brine Well No. 006-X MIT
Tubing Test Pressure
Pressure (psig)
387.4
387.2
387.0
386.8
386.6
386.4
386.2
386.0
385.8
385.6
385.4
Temperature (Deg F)
80
72
64
56
48
40
32
24
16
8
0
12/20 8:55
12/20 14:55
12/20 20:55
12/21 2:55
12/21 8:55
Date / Time
Tubing Pressure
Temperature


PPG Brine Well No. 006-X MIT
Annulus vs. Tubing Pressure
Annulus Pressure (psig)
Tubing Pressure (psig)
1571.0
1570.8
1570.6
1570.4
1570.2
1570.0
1569.8
1569.6
1569.4
1569.2
1569.0
387.4
387.2
387.0
386.8
386.6
386.4
386.2
386.0
385.8
385.6
385.4
12/20 8:55
12/20 14:55
12/20 20:55
12/21 2:55
12/21 8:55
Date / Time
Annulus Pressure
Tubing Pressure

Appendix F – Well Logs

EMPIRE WIRELINE, LLC

MIT DENSITY SURVEY

Company: Westlake Chemical
Well: PPG No. 006 - X
Field: Sulphur Mines
Area: Calcasieu
State: Louisiana

Company: Westlake Chemical
Well: PPG No. 006 - X
Field: Sulphur Mines
Area: Calcasieu State: Louisiana

Location
API # : 17-019-04009 SEC: 29 TWP: 9S RGE: 10W
Serial # 57788

Other Services
Temperature

Permanent Datum: G.L. Elevation: 0' Above P.D.
Log Measured From: B.H.F.
Drilling Measured From: R.K.B.

Elevation's
K.B. N/A
D.F. N/A
G.L. 0'

Run Information	Run No. 1	Run No. 2	Run No. 3	Run No. 4
Date of Service	13-Dec-2021	20-Dec-2021	21-Dec-2021	
Depth Driller or PBTD	N/A	N/A	N/A	
Empire Depth	2650'	2650'	2650'	
Bottom Log Interval	2650'	2650'	2650'	
Top Log Interval	2300'	2300'	2300'	
Interface Depth	N/A	2545.5'	2545.5'	
Fluid Type	Brine	Brine	Brine	
Fluid Density	N/A	N/A	N/A	
Fluid Level	Surface	Surface	Surface	
Tubing Pressure	415.7 psi	406.4 psi	406.9 psi	
Wellhead Connection	4" L.P.	4" L.P.	4" L.p.	
Time - Ran In Well	07:00	08:55	08:55	
Time - Temp. Start	07:00	08:55	08:55	
Time - Density Start	08:15	10:05	10:05	
Time - Out of Well	08:15	10:05	10:05	
Location	Broussard, La.	Broussard, LA.	Broussard, La.	
Unit No. / Wire Size	P-4 / 1/4"	P-4 / 1/4"	P-4 / 1/4"	/
Recorded By	J. Belaire	J. Belaire	J. Belaire	
Witnessed By	Mr. Colton Long	Mr. Colton Long	Mr. Colton Long	

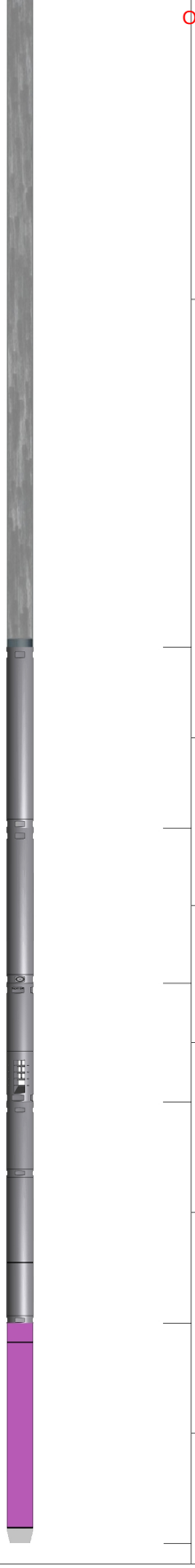
CSG / TBG Record	Size	Wt/Ft	Top	Bottom
Drive Pipe	30"	N/A	Surface	48'
Conductor Casing #1	18"	N/A	Surface	407'
Conductor Casing #2	16"	N/A	Surface	607'
Surface Casing	13 3/8"	54.5 lb/ft	Surface	1272'
Intermediate Casing	10 3/4"	332.75 lb/ft	Surface	1841'
Production Casing	7 5/8"	26.50 lb/ft	Surface	2505'
Hanging String	5 1/2"	15.5 lb/ft	Surface	2829'

<<< Fold Here >>>

Comments

Log Correlated To 7 5/8" Casing Shoe @ 2505'

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
			CHD-1-7/16 Cable Head	0.88	1.44	10.00



		Tungsten-1-11/16x7 Weigh Bar Tungten 1-11/16" x 7'	7.00	1.69	84.00
		GDT_WTC-WTS06 (1312231) Digital Telemetry GDTBus	1.82	1.69	8.60
CRCCnt	7.19				
FrmCnt	7.19				
WTSTime	7.19	GDT_QPC-QPC03 (1402425) Quartz Pressure CCL Tool GDTBus	1.56	1.69	15.00
WTSTemp	7.19				
CHV	7.19				
		GDT_RDT-RDT04 (14023128)	1.19	1.69	8.00
QCCL	4.85				
QP	4.20				
QT	4.20				
QT	4.02	GDT_GRT-GRT10-1 (14023120) Secondary Gamma Ray Tool GDTBus	2.23	1.69	10.40
RDTTemp	3.25				
GR2	1.33	Density-CO60S (CO-60S) Density Sub with Spacer for CO-60	2.21	1.69	15.00
Density2	0.00				
Density1	0.00				

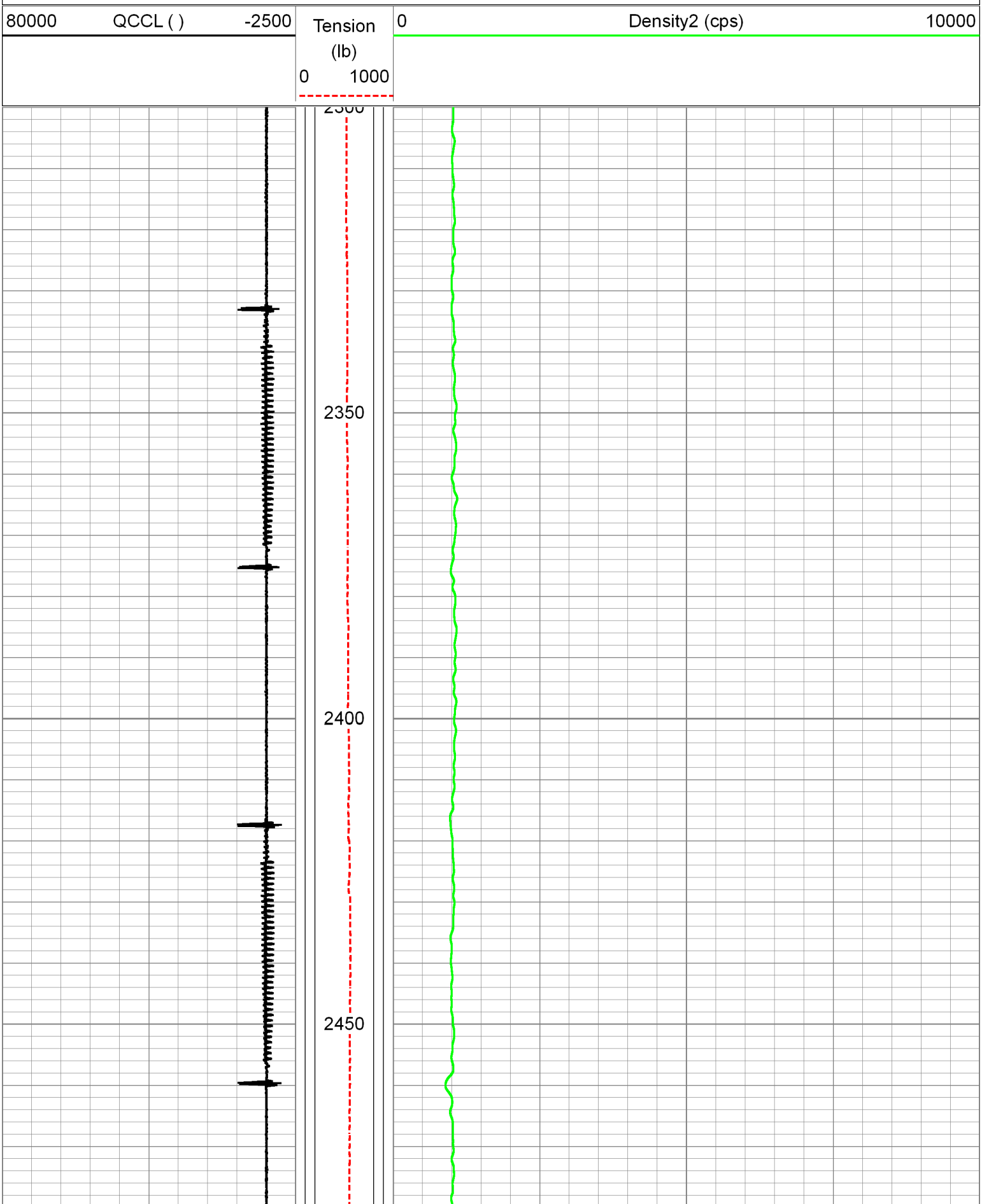
Dataset: 12-12-21_westlake_6x_mit.db: field/well/run5/pass2
Total length: 16.88 ft
Total weight: 151.00 lb
O.D.: 1.69 in

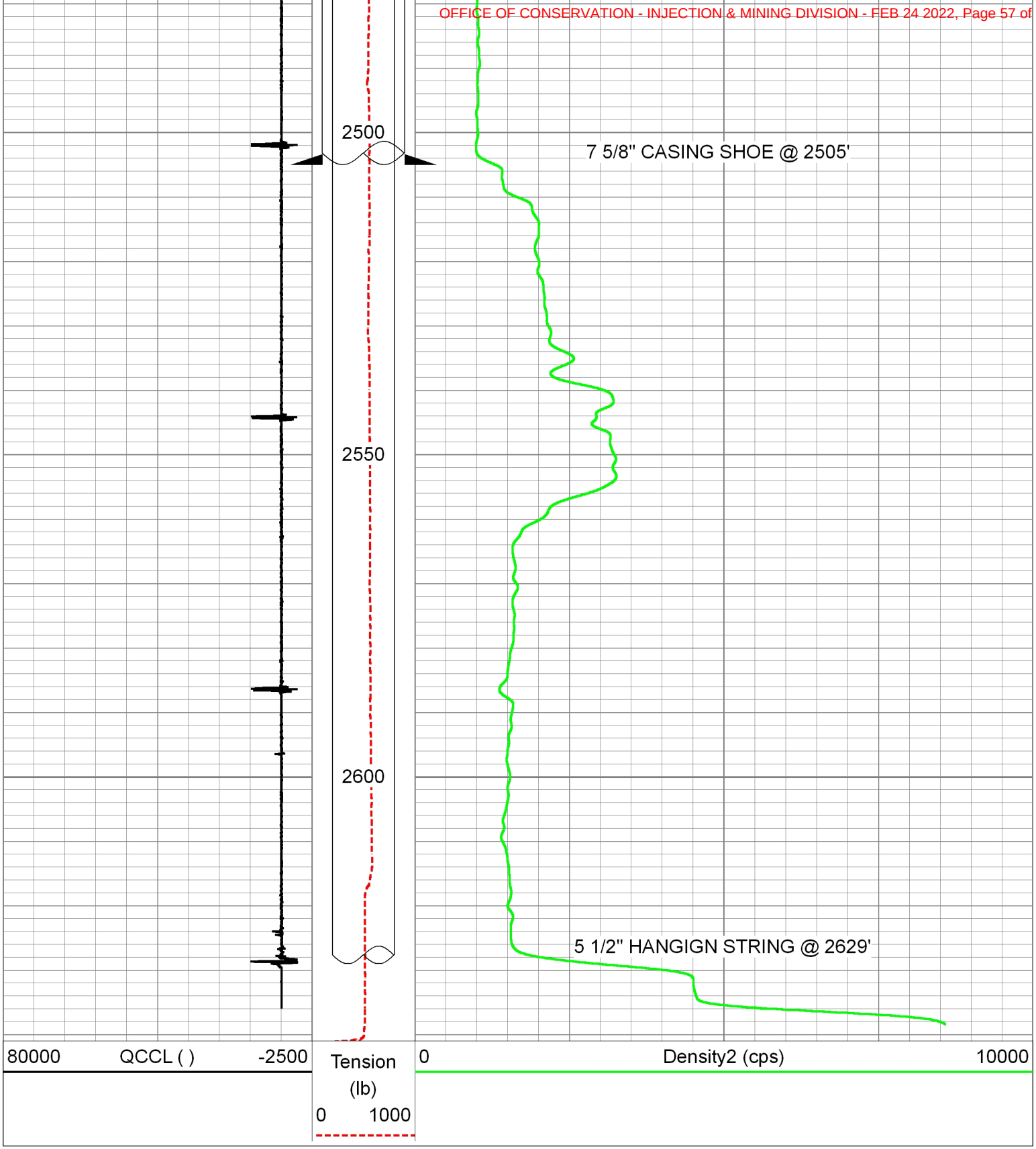
EMPIRE WIRELINE, LLC

BASE DENSITY

13-DECEMBER-2021

Database File	12-12-21_westlake_6x_mit.db
Dataset Pathname	run2/pass2
Presentation Format	e-gdt_density
Dataset Creation	Mon Dec 13 08:07:53 2021
Charted by	Depth in Feet scaled 1:240



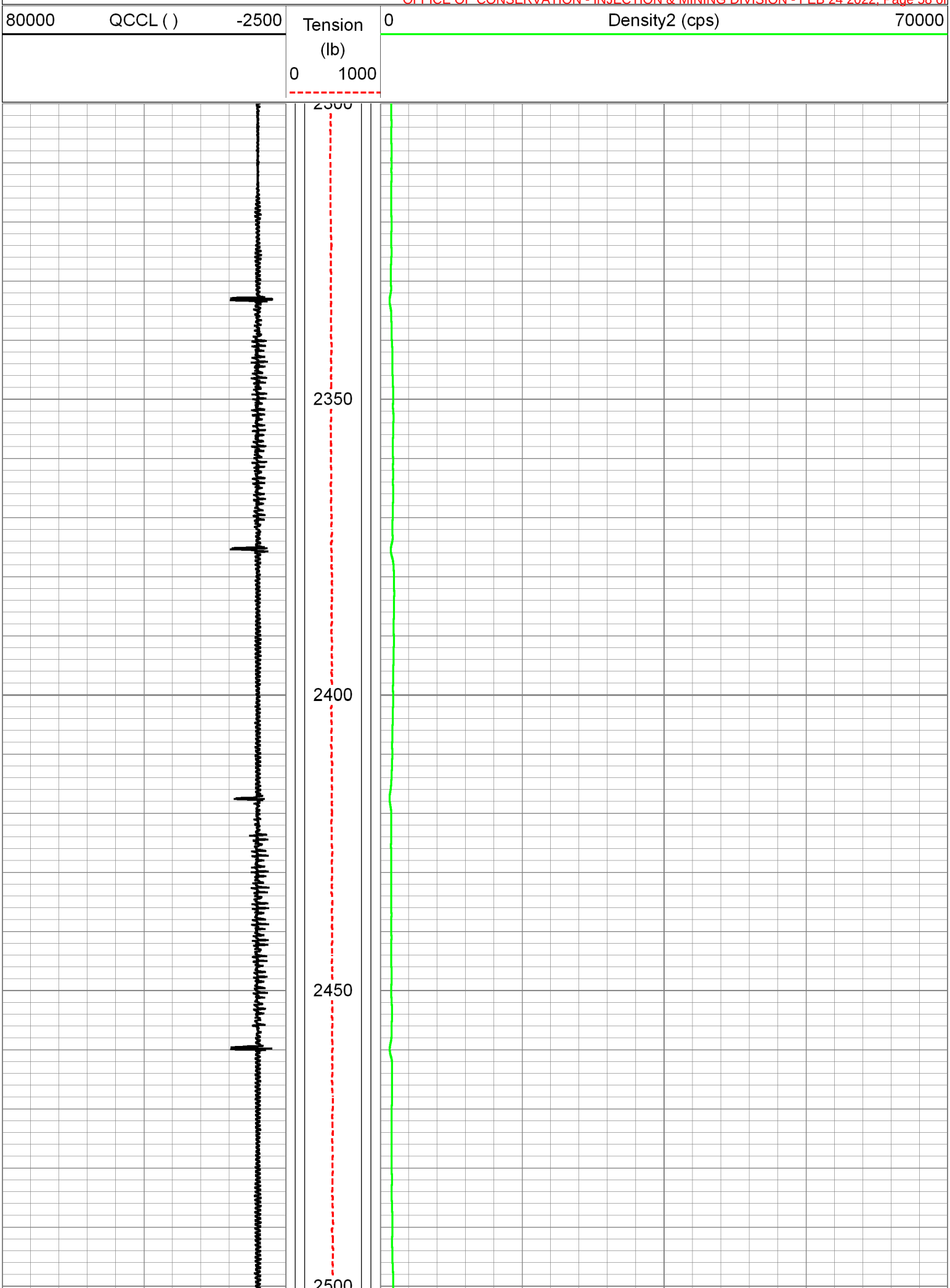


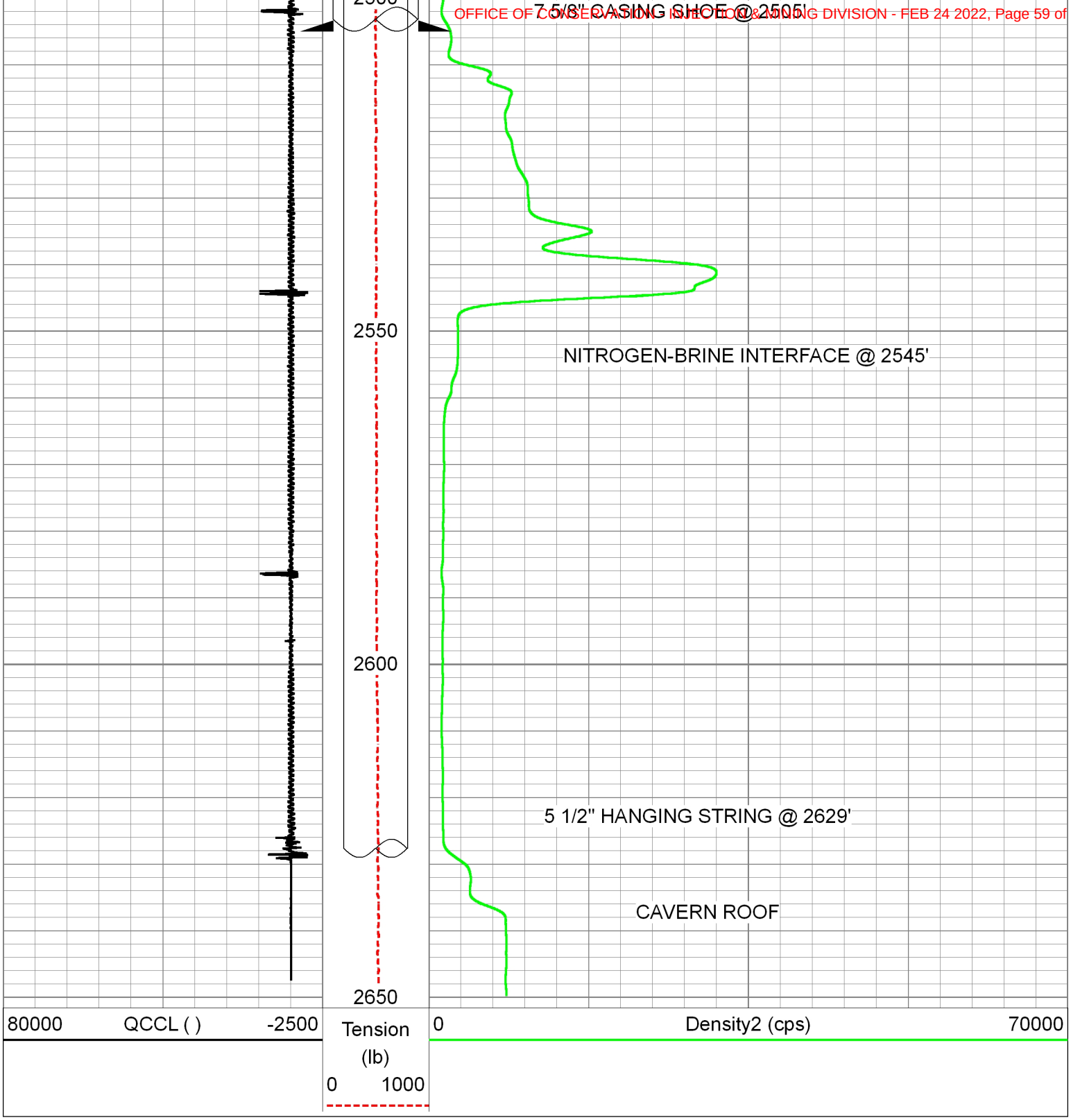
EMPIRE WIRELINE, LLC

POST INJECTION

NITRROGEN-BRINE INTERFACE @ 2545'
14-DEC-2021

Database File	12-12-21_westlake_6x_mit.db
Dataset Pathname	run3/pass6
Presentation Format	e-gdt_density
Dataset Creation	Tue Dec 14 14:58:09 2021
Charted by	Depth in Feet scaled 1:240


80000
QCCL ( )
-2500
Tension
(lb)
0
1000
0
Density2 (cps)
70000
2350
2400
2450
2500

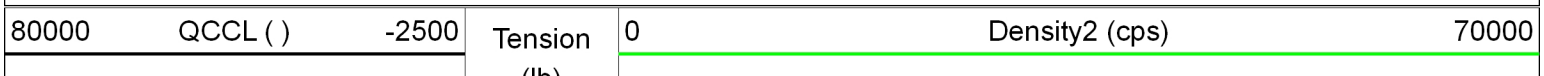


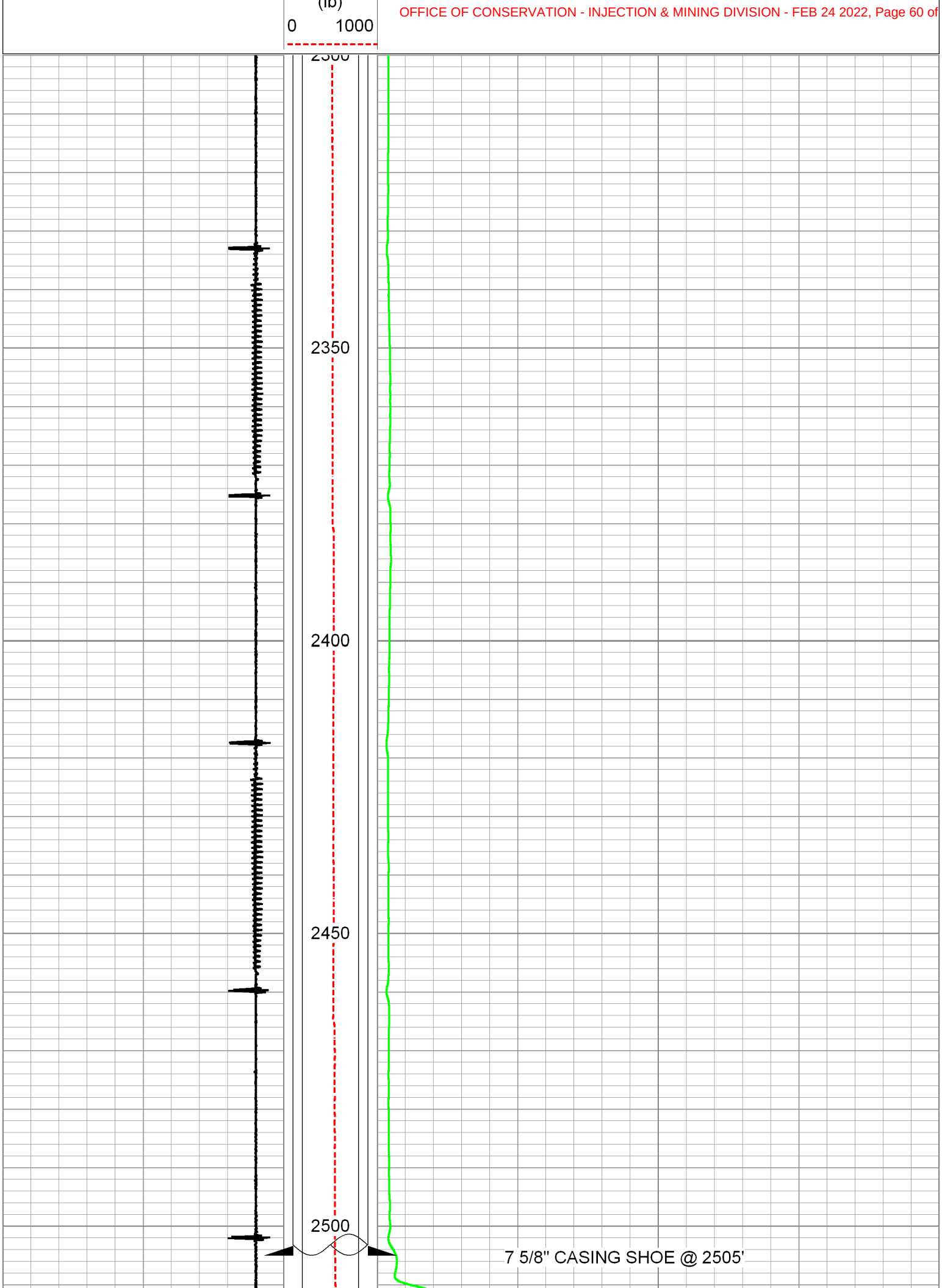
EMPIRE WIRELINE, LLC

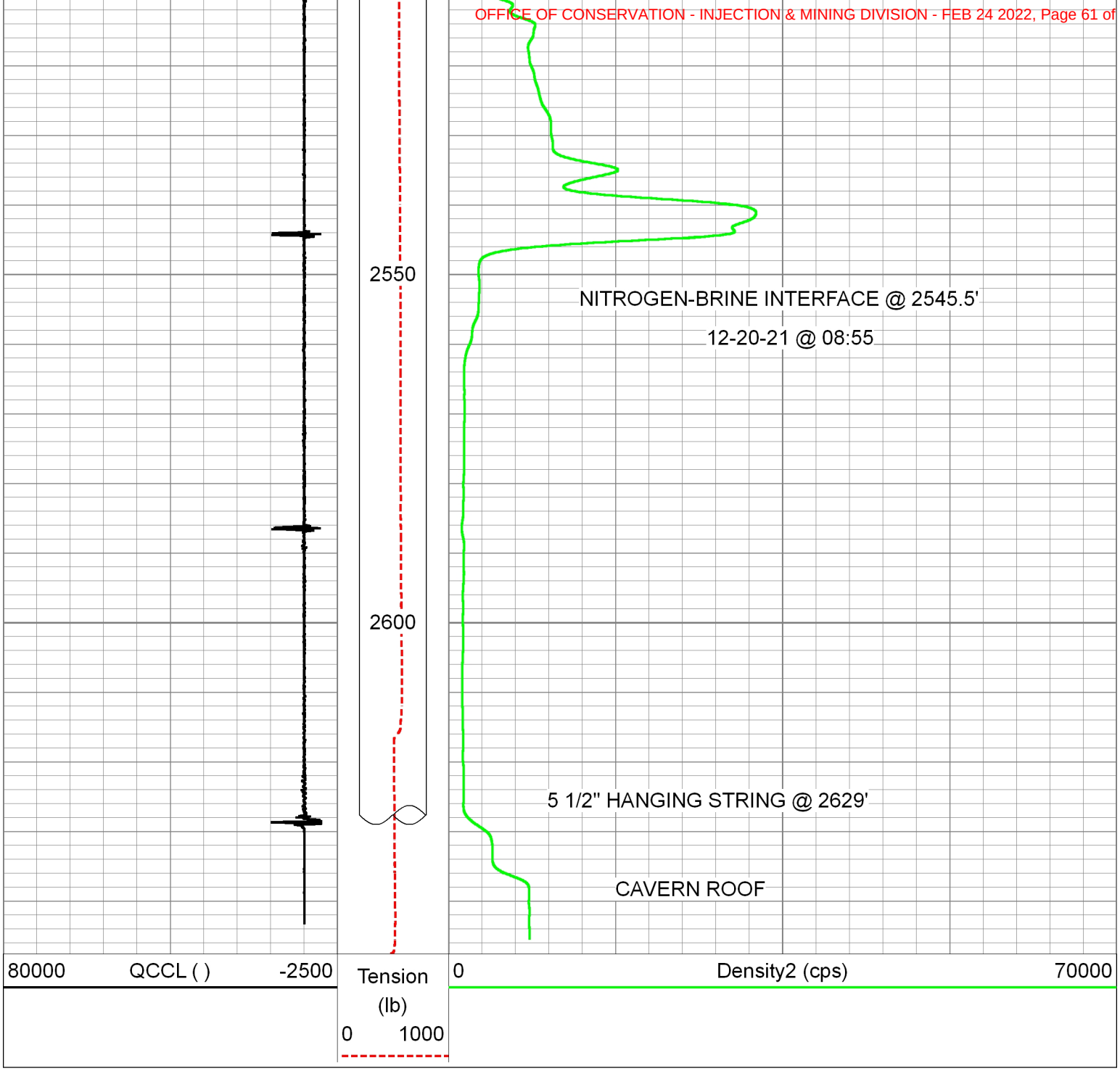
INITIALIZATION

NITROGEN-BRINE INTERFACE @ 2545.5'
20-DEC-2021 @ 08:55

Database File	12-12-21_westlake_6x_mit.db
Dataset Pathname	run4/pass2
Presentation Format	e-gdt_density
Dataset Creation	Mon Dec 20 10:00:48 2021
Charted by	Depth in Feet scaled 1:240




(lb)
0
1000
2350
2400
2450
2500
7 5/8" CASING SHOE @ 2505'

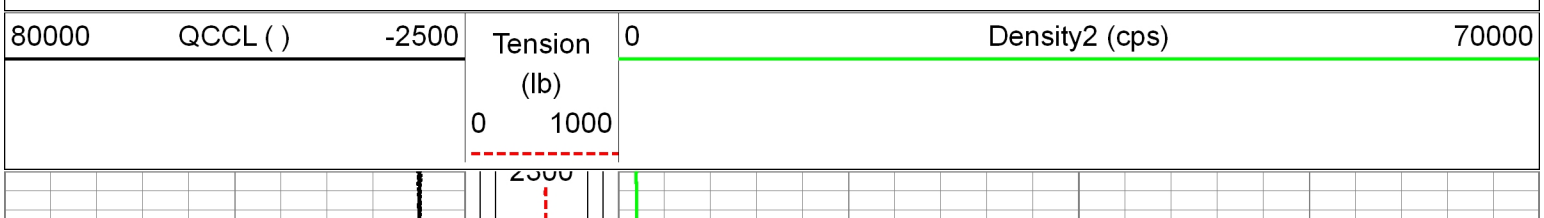


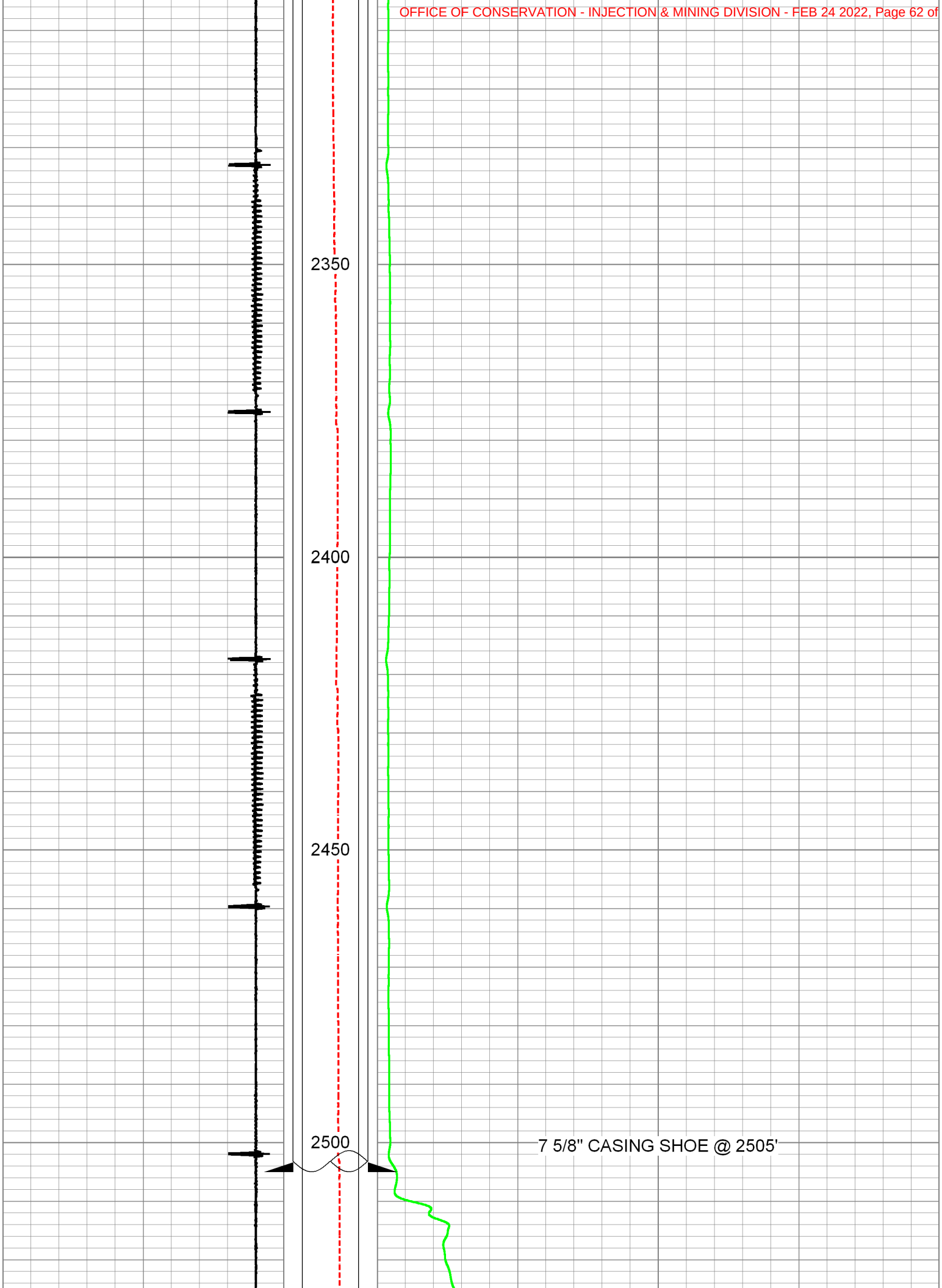
EMPIRE WIRELINE, LLC

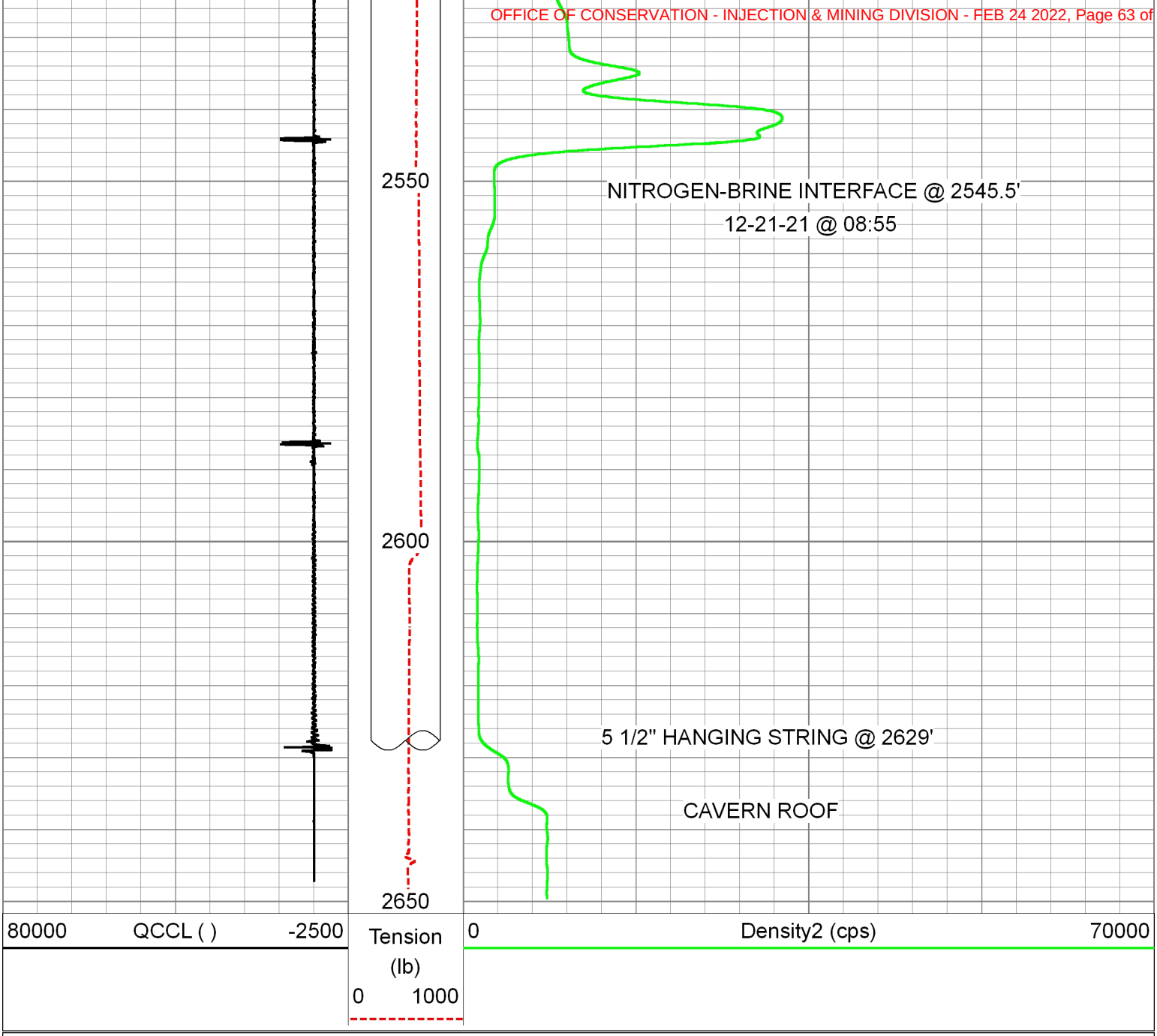
FINALIZATION

NITROGEN-BRINE INTERFACE @ 2545.5'
21-DEC-2021 @ 08:55

Database File	12-12-21_westlake_6x_mit.db
Dataset Pathname	run5/pass2
Presentation Format	e-gdt_density
Dataset Creation	Tue Dec 21 09:59:43 2021
Charted by	Depth in Feet scaled 1:240




2350
2400
2450
2500
7 5/8" CASING SHOE @ 2505'



EMPIRE WIRELINE, LLC

EMPIRE WIRELINE, LLC

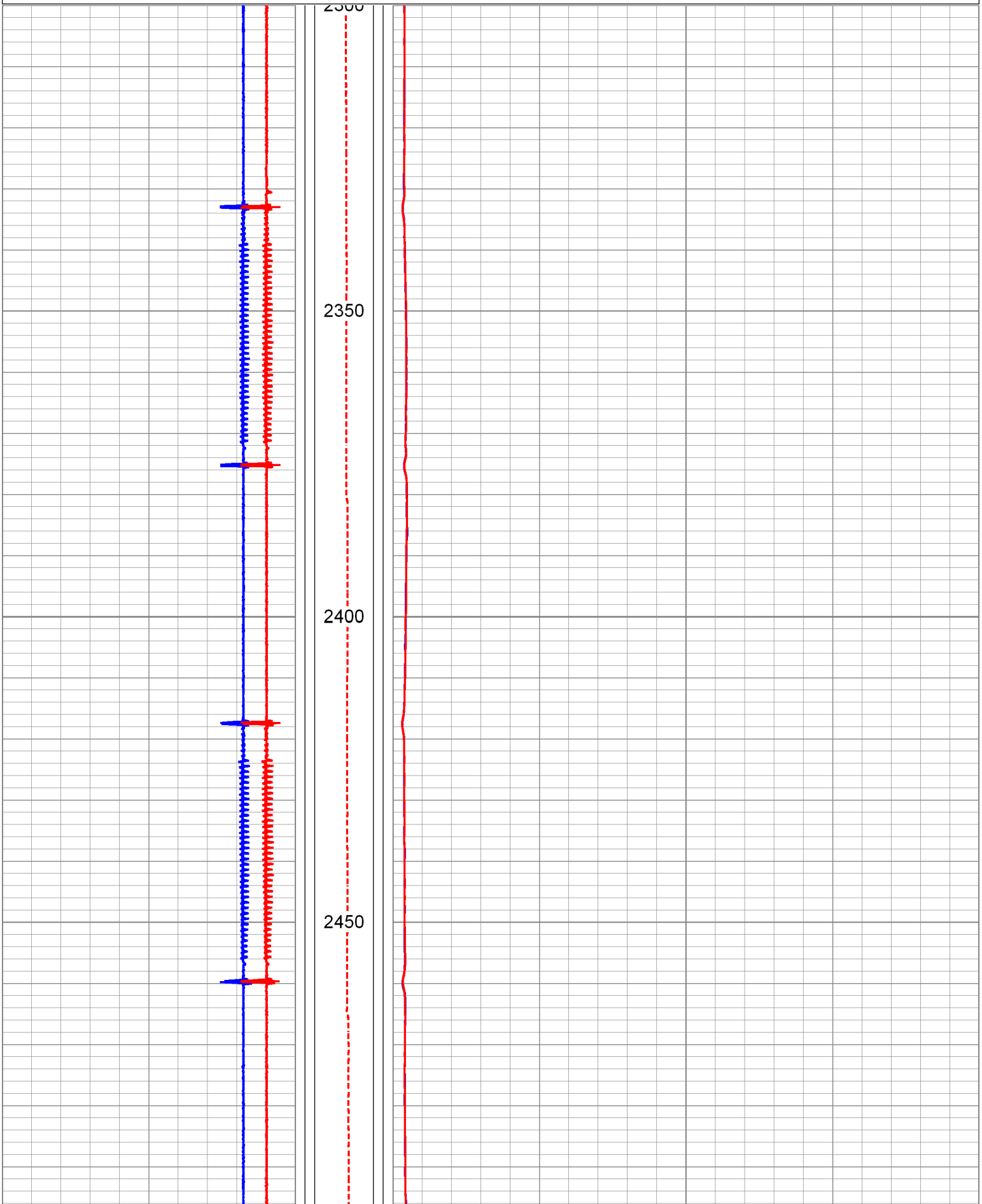
MIT MERGE

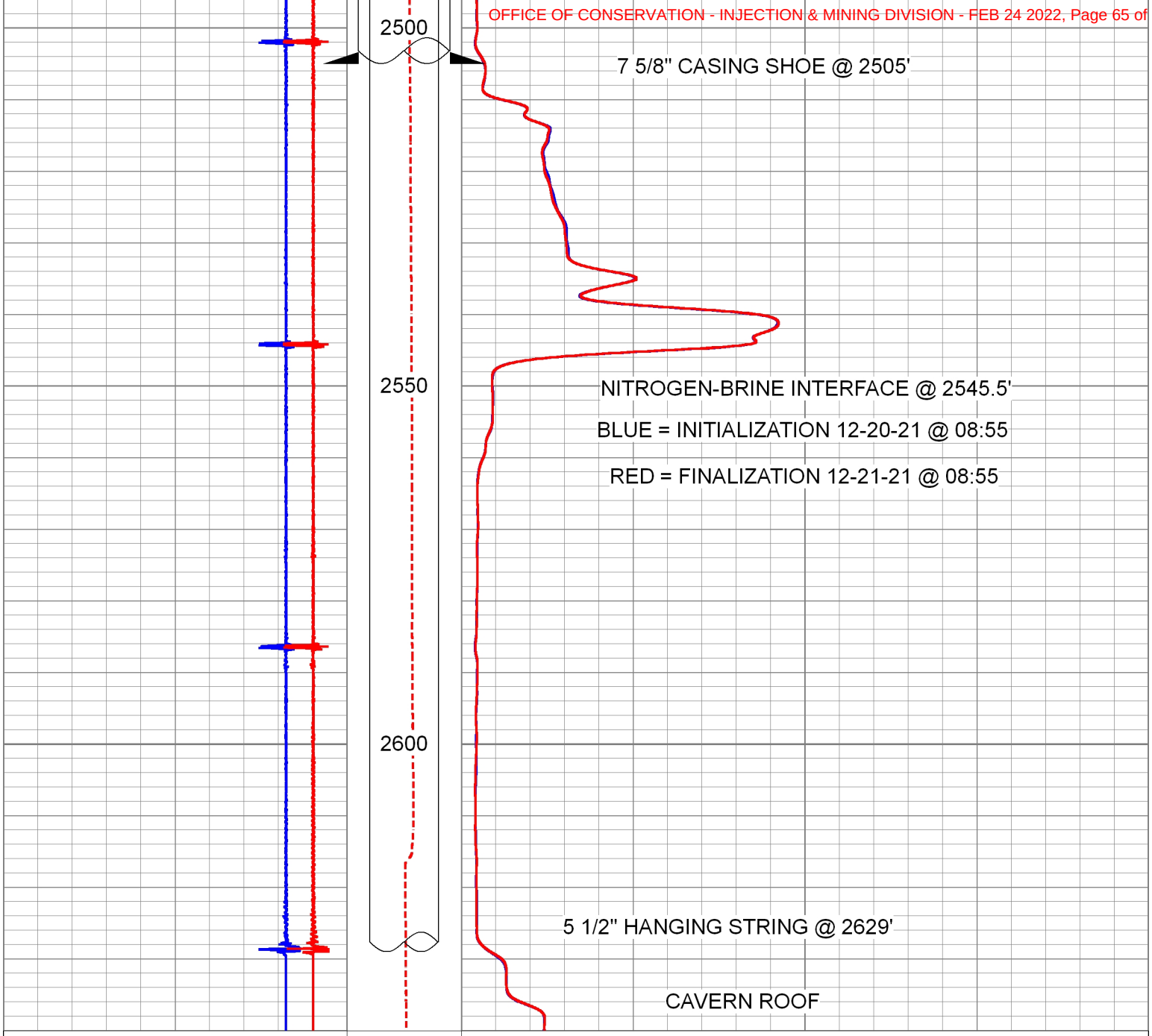
Description	Color	Date	Time	Interface	Comments
INITIALIZATION	BLUE	20-DEC-2021	08:55	2545.5'	
FINALIZATION	RED	21-DEC-2021	08:55	2545.5'	

Database File	12-12-21_westlake_6x_mit.db
Dataset Pathname	run4/density merge 2
Presentation Format	e-gdt_density
Dataset Creation	Wed Dec 22 11:06:58 2021

Dataset Creation Wed Dec 22 11:06:58 2021
Charted by Depth in Feet scaled 1:240

90000	INITIAL CCL ( )	-12500	Tension (lb) 0 1000	0	INITIALIZATION (cps) 70000
90000	FINAL CCL ( )	-3500		0	FINALIZATION (cps) 70000





90000	INITIAL CCL ( )	-12500	Tension (lb)	0	INITIALIZATION (cps) 70000
90000	FINAL CCL ( )	-3500		0	FINALIZATION (cps) 70000
			0 1000		

EMPIRE WIRELINE, LLC

Company	Westlake Chemical
Well	PPG No. 006 X
Field	Sulphur Mines
Area	Calcasieu
State	Louisiana

Appendix G – Gauge & Turbine Calibration Information

Cal-scan Services Ltd.
4188-93 Street
Edmonton, Alberta, Canada
T6E 5P5
Phone: (780) 944-1377 Fax: (780) 944 - 1406

Calibration Certificate

Model : Hawk 9000
Serial Number : 63207

Range : 3,500.00 psi
Last Cal. Date : 06-May-2021

Specifications

Calibration Pressure Range:		0.00	3,500.00	psi
Calibration Temperature Range:		-40.00	60.00	°C
Pressure:	Accuracy	±	0.8400 psi (0.024 %FS)	
	Resolution	±	0.0105 psi (0.0003 %FS)	
Temperature:	Accuracy	±	0.40 °C	
	Resolution	±	0.001 °C	

Calibration Summary

Pressure: Accuracy (maximum error)	0.61	psi
Temperature: Accuracy (maximum error)	0.61	°C

Traceability Statement

All working standards are traceable to national or internationally recognized standards.

Calibrated with Cal-Scan DWG # 5

Calibrated by:

Ryan Kryzanowski