

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. 30-025-03844
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Lovington San Andres Unit
8. Well Number 48
9. OGRID Number 241333
10. Pool name or Wildcat Lovington Grayburg SA

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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Injector	
2. Name of Operator Chevron Midcontinent, L.P.	
3. Address of Operator 6301 Deauville Blvd Midland, Texas 79706	
4. Well Location Unit Letter <u>J</u> , 1980 feet from the <u>South</u> line and 1980 feet from the <u>East</u> line Section <u>1</u> Township <u>17 S</u> Range <u>36 E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

Re-Plug

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Re-P&A due to gas migrating up 9-5/8" x 13" Annulus

Plugging Proposal:

1. MIRU Rig, test BOPs
2. Cut/Pull 9-5/8" casing f/ 250'
3. Spot 65 sx Class C f/ 350' - 200' (WOC/tag)
4. Spot 125 sx Class C f/ 200' - 0'

**See Attached
 Conditions of Approval**

Spud Date:

Rig Release Date:

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

SIGNATURE Mark Torres TITLE P&A Engineer DATE 2/23/2024

Type or print name Mark Torres E-mail address: marktorres@chevron.com PHONE: 989-264-2525

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 3/8/24

Conditions of Approval (if any)

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
Standard Plugging Conditions



This document provides OCD's general plugging conditions of approval. It should be noted that the list below may not cover special plugging programs in unique and unusual cases, and OCD expressly reserves the right to impose additional requirements to the extent dictated by project conditions. The OCD also reserves the right to approve deviations from the below conditions if field conditions warrant a change. A C-103F NOI to P&A must be approved prior to plugging operations. Failure to comply with the conditions attached to a plugging approval may result in a violation of 19.15.5.11 NMAC, which may result in enforcement actions, including but not limited to penalties and a requirement that the well be re-plugged as necessary.

1. Notify OCD office at least 24 hours before beginning work and seek prior approval to implementing any changes to the C-103 NOI to PA.
 - North Contact, Monica Kuehling, 505-320-0243, monica.kuehling@emnrd.nm.gov
 - South Contact, Gilbert Cordero, 575-626-0830, gilbert.cordero@emnrd.nm.gov
2. A Cement Bond Log is required to ensure strata isolation of producing formations, protection of water and correlative rights. A CBL must be run or be on file that can be used to properly evaluate the cement behind the casing.

Note: Logs must be submitted to OCD via OCD permitting. A copy of the log may be emailed to OCD inspector for faster review times, but emailing does not relieve the operators obligation to submit through OCD permitting.

3. Once Plugging operations have commenced, the rig must not rig down until the well is fully plugged without OCD approval. If gap in plugging operations exceeds 30 days, the Operator must file a subsequent sundry of work performed and revised NOI for approval on work remaining. At no time shall the rig be removed from location if it will result in waste or contamination of fresh water.
4. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
5. Fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
 - North, water or mud laden fluids
 - South, mud laden fluids
6. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to an OCD permitted disposal facility.
7. Class of cement shall be used in accordance with the below table for depth allowed.

Class	TVD Lower Limit (feet)
Class A/B	6,000
Class I/II	6,000
Class C or III	6,000
Class G and H	8,000
Class D	10,000

Class E	14,000
Class F	16,000

8. After cutting the well head any "top off cement jobs" must remain static for 30 minutes. Any gas bubbles or flow during this 30 minutes shall be reported to the OCD for approval of next steps.
9. Trucking companies being used to haul oilfield waste fluids (Commercial or Private) to a disposal facility shall have an approved OCD C-133 permit.
 - A copy of this permit shall be available in each truck used to haul waste products.
 - It is the responsibility of the Operator and Contractor to verify that this permit is in place prior to performing work.
 - Drivers shall be able to produce a copy upon request of an OCD Compliance Officer.
10. Filing a [C-103] Sub. Plugging (C-103P) will serve as notification that the well has been plugged.
11. A [C-103] Sub. Release After P&A (C-103Q) shall be filed no later than a year after plugging and a site inspection by OCD Compliance officer to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to meet OCD standards before bonding can be released.
12. Produced water or brine-based fluids **may not** be used during any part of plugging operations without **prior OCD approval**.
13. Cementing;
 - All cement plugs will be neat cement and a minimum of 100' in length. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
 - If cement does not exist between or behind the casing strings at recommended formation depths, the casing perforations will be shot at 50' below the formation top and the cement retainer shall be set no more than 50' from the perforations.
 - WOC (Wait on Cement) time will be:
 - 4 hours for accelerated (calcium chloride) cement.
 - 6 hours on regular cement.
 - Operator must tag all cement plugs unless it meets the below condition.
 - The operator has a passing pressure test for the casing annulus and the plug is only an inside plug.
 - If perforations are made operator must tag all plugs using the work string to tag unless given approval to tag with wireline by the correct contact from COA #1 of this document.
 - This includes plugs pumped underneath a cement retainer to ensure retainer seats properly after cement is pumped.
 - Cement can only be bull-headed with specific prior approval.
 - Squeeze pressures are not to exceed the exposed formations frac gradient or the burst pressure of the casing.
14. A cement plug is required to be set from 50' below to 50' above (straddling) formation tops, casing shoes, casing stubs, any attempted casing cut offs, anywhere the casing is perforated, DV tools.
 - Perforation/Formation top plug. (When there is less than 100ft between the top perforation to the formation top.) These plugs are required to be started no greater than

50ft from the top perforation. However, the plug should be set below the formation top or as close to the formation top as possible for the maximum isolation between the formations. The plug is required to be a 100ft cement plug plus excess.

- Perforation Plug when a formation top is not included. These plugs are required to be started within 50ft of the top perforation. The plug is required to be a 100ft cement plug plus excess.
- Cement caps on top of bridge plugs or cement retainers for perforation plugs, that are not straddling a formation top, may be set using a bailer with a minimum of 35' of cement in lieu of the 100' plug. The bridge plug or retainer must be set within 50ft of the perforations.
- Perforations are required below the surface casing shoe if cement does not exist behind the casing, a 30-minute minimum wait time will be required immediately after perforating to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. If gas is detected contact the OCD office for directions.

15. No more than 3000 feet is allowed between cement plugs in cased hole and no more than 2000 feet is allowed in open hole.

16. Formation Tops to be isolated with cement plugs, but not limited to are:

- Northwest See Figure A
- South (Artesia) See Figure B
- Potash See Figure C
 - In the R-111-P (Or as subsequently revised) Area a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, woe 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
- South (Hobbs) See Figure D1 and D2
- Areas not provided above will need to be reviewed with the OCD on a case by case basis.

17. Markers

- Dry hole marker requirements 19.15.25.10.

The operator shall mark the exact location of plugged and abandoned wells with a steel marker not less than four inches in diameter set in cement and extending at least four feet above mean ground level. The marker must include the below information:

 1. Operator name
 2. Lease name and well number
 3. API number
 4. Unit letter
 5. Section, Township and Range
- AGRICULTURE (Below grade markers)

In Agricultural areas a request can be made for a below ground marker. For a below ground marker the operator must file their request on a C-103 notice of intent, and it must include the following;

 - A) Aerial photo showing the agricultural area
 - B) Request from the landowner for the below ground marker.

C) Subsequent plugging report for a well using a below ground marker must have an updated C-102 signed by a certified surveyor for SHL.

Note: A below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to OCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to OCD. OCD requires a current survey to verify the location of the below ground marker, however OCD will accept a GPS coordinate that were taken with a GPS that has an accuracy of within 15 feet.

18. If work has not commenced within 1 year of the approval of this procedure, the approval is automatically expired. After 1 year a new [C-103] NOI Plugging (C-103F) must be submitted and approved prior to work.

Figure A

North Formations to be isolated with cement plugs are:

- San Jose
- Nacimiento
- Ojo Alamo
- Kirtland
- Fruitland
- Picture Cliffs
- Chacra (if below the Chacra Line)
- Mesa Verde Group
- Mancos
- Gallup
- Basin Dakota (plugged at the top of the Graneros)
- Deeper formations will be reviewed on a case-by-case basis

Figure B

South (Artesia) Formations to be isolated with cement plugs are:

- Fusselman
- Montoya
- Devonian
- Morrow
- Strawn
- Atoka
- Permo-Penn
- Wolfcamp
- Bone Springs
- Delaware , in certain areas where the Delaware is subdivided into;
 - 1. Bell Canyon
 - 2. Cherry Canyon
 - 3. Brushy Canyon
- Any salt sections
- Abo
- Yeso
- Glorieta
- San Andres
- Greyburg
- Queen
- Yates

Figure C

Potash Area R-111-P

T 18S – R 30E

Sec 10 Unit P. Sec 11 Unit M,N. Sec 13 Unit L,M,N. Sec 14 Unit C -P. Sec 15 Unit A G,H,I,J,K,N,O,P. Sec 22 Unit All
except for M. Sec 23, Sec 24 Unit C,D,E,L, Sec 26 Unit A-G, Sec 27 Unit A,B,C

T 19S – R 29E

Sec 11 Unit P. Sec 12 Unit H-P. Sec 13. Sec 14 Unit A,B,F-P. Sec 15 Unit P. Sec 22 Unit A,B,C,F,G,H,I,J K,N,O,P. Sec 23.
Sec 24. Sec 25 Unit D. Sec 26 Unit A- F. Sec 27 Unit A,B,C,F,G,H.

T 19S – R 30E

Sec 2 Unit K,L,M,N. Sec 3 Unit I,L,M,N,O,P. Sec 4 Unit C,D,E,F,G,I-P. Sec 5 Unit A,B,C,E-P. Sec 6 Unit I,O,P. Sec 7 – Sec
10. Sec 11 Unit D, G—P. Sec 12 Unit A,B,E-P. Sec 13 Unit A-O. Sec 14-Sec 18. Sec 19 Unit A-L, P. Sec 20 – Sec 23. Sec
24 Unit C,D,E,F,L,M,N. Sec 25 Unit D. Sec 26 Unit A-G, I-P. Sec 27, Sec 28, Sec 29 Unit A,B,C,D,F,G,H,I,J,O,P. Sec 32
Unit A,B,G,H,I,J,N,O,P. Sec 33. Sec 34. Sec 35. Sec 36 Unit D,E,F,I-P.

T 19S – R 31E

Sec 7 Unit C,D,E,F,L. Sec 18 Unit C,D,E,F,G,K,L. Sec 31 Unit M. Sec 34 Unit P. Sec 35 Unit M,N,O. Sec 36 Unit O,P.

T 20S – R 29E

Sec 1 Unit H,I,P. Sec 13 Unit E,L,M,N. Sec 14 Unit B-P. Sec 15 Unit A,H,I,J,N,O,P. Sec 22 Unit A,B,C,F,G,H,I,J,O,P. Sec
23. Sec 24 Unit C,D,E,F,G,J-P. Sec 25 Unit A-O. Sec 26. Sec 27 Unit A,B,G,H,I,J,O,P. Sec 34 Unit A,B,G,H. Sec 35 Unit
A-H. Sec 36 Unit B-G.

T 20S – R 30E

Sec 1 – Sec 4. Sec 5 Unit A,B,C,E-P. Sec 6 Unit E,G-P. Sec 7 Unit A-H,I,J,O,P. Sec 8 – 17. Sec 18 Unit A,B,G,H,I,J,O,P.
Sec 19 Unit A,B,G,H,I,J,O,P. Sec 20 – 29. Sec 30 Unit A-L,N,O,P. Sec 31 Unit A,B,G,H,I,P. Sec 32 – Sec 36.

T 20S – R 31E

Sec 1 Unit A,B,C,E-P. Sec 2. Sec 3 Unit A,B,G,H,I,J,O,P. Sec 6 Unit D,E,F,J-P. Sec 7. Sec 8 Unit E-P. Sec 9 Unit E,F,J-P.
Sec 10 Unit A,B,G-P. Sec 11 – Sec 36.

T 21S – R 29E

Sec 1 – Sec 3. Sec 4 Unit L1 – L16,I,J,K,O,P. Sec 5 Unit L1. Sec 10 Unit A,B,H,P. Sec 11 – Sec 14. Sec 15 Unit A,H,I. Sec
23 Unit A,B. Sec 24 Unit A,B,C,D,F,G,H,I,J,O,P. Sec 25 Unit A,O,P. Sec 35 Unit G,H,I,J,K,N,O,P. Sec 36 A,B,C,F – P.

T 21S – R 30E

Sec 1 – Sec 36

T 21S – R 31E

Sec 1 – Sec 36

T 22S – R 28E

Sec 36 Unit A,H,I,P.

T 22S – R 29E

Sec 1. Sec2. Sec 3 Unit I,J,N,O,P. Sec 9 Unit G – P. Sec 10 – Sec 16. Sec 19 Unit H,I,J. Sec 20 – Sec 28. Sec 29 Unit

A,B,C,D,G,H,I,J,O,P. Sec 30 Unit A. Section 31 Unit C – P. Sec 32 – Sec 36

T 22S – R 30E

Sec 1 – Sec 36

T 22S – R 31E

Sec 1 – Sec 11. Sec 12 Unit B,C,D,E,F,L. Sec 13 Unit E,F,K,L,M,N. Sec 14 – Sec 23. Sec 24 Unit C,D,E,F,K,L,M,N. Sec 25

Unit A,B,C,D. Sec 26 Unit A,BC,D,G,H. Sec 27 – Sec 34.

T 23S – R 28E

Sec 1 Unit A

T 23S – R 29E

Sec 1 – Sec 5. Sec 6 Unit A – I, N,O,P. Sec 7 Unit A,B,C,G,H,I,P. Sec 8 Unit A – L, N,O,P. Sec 9 – Sec 16. Sec 17 Unit

A,B,G,H,I,P. Sec 21 – Sec 23. Sec 24 Unit A – N. Sec 25 Unit D,E,L. Sec 26. Sec 27. Sec 28 Unit A – J, N,O,P. Sec 33

Unit A,B,C. Sec 34 Unit A,B,C,D,F,G,H. Sec 35. Sec 36 Unit B,C,D,E,F,G,K,L.

T 23S – R 30E

Sec 1 – Sec 18. Sec 19 Unit A – I,N,O,P. Sec 20, Sec 21. Sec 22 Unit A – N, P. Sec 23, Sec 24, Sec 25. Sec 26 Unit

A,B,F-P. Sec 27 Unit C,D,E,I,N,O,P. Sec 28 Unit A – H, K,L,M,N. Sec 29 Unit A – J, O,P. Sec 30 Unit A,B. Sec 32 A,B. Sec

33 Unit C,D,H,I,O,P. Sec 34, Sec 35, Sec 36.

T 23S – R 31E

Sec 2 Unit D,E,J,O. Sec 3 – Sec 7. Sec 8 Unit A – G, K – N. Sec 9 Unit A,B,C,D. Sec 10 Unit D,P. Sec 11 Unit G,H,I,J,M,N,O,P. Sec 12 Unit E,L,K,M,N. Sec 13 Unit C,D,E,F,G,J,K,L,M,N,O. Sec 14. Sec 15 Unit A,B,E – P.

Sec 16 Unit

I, K – P. Sec 17 Unit B,C,D,E, I – P. Sec 18 – Sec 23. Sec 24 Unit B – G, K,L,M,N. Sec 25 Unit B – G, J,K,L. Sec 26 – Sec

34. Sec 35 Unit C,D,E.

T 24S – R 29E

Sec 2 Unit A, B, C, D. Sec 3 Unit A

T 24S – R 30E

Sec 1 Unit A – H, J – N. Sec 2, Sec 3. Sec 4 Unit A,B,F – K, M,N,O,P. Sec 9 Unit A – L. Sec 10 Unit A – L, O,P. Sec 11.

Sec 12 Unit D,E,L. Sec 14 Unit B – G. Sec 15 Unit A,B,G,H.

T 24S – R 31E

Sec 3 Unit B – G, J – O. Sec 4. Sec 5 Unit A – L, P. Sec 6 Unit A – L. Sec 9 Unit A – J, O, P. Sec 10 Unit B – G, K – N. Sec

35 Unit E – P. Sec 36 Unit E, K, L, M, N.

T 25S – R 31E

Sec 1 Unit C, D, E, F. Sec 2 Unit A – H.

Figure D1 and D2

South (Hobbs) Formations to be isolated with cement plugs are:

The plugging requirements in the Hobbs Area are based on the well location within specific areas of the Area (See Figure D1). The Formations in the Hobbs Area to be isolated with cement plugs are (see Figure D2)

Figure D1 Map

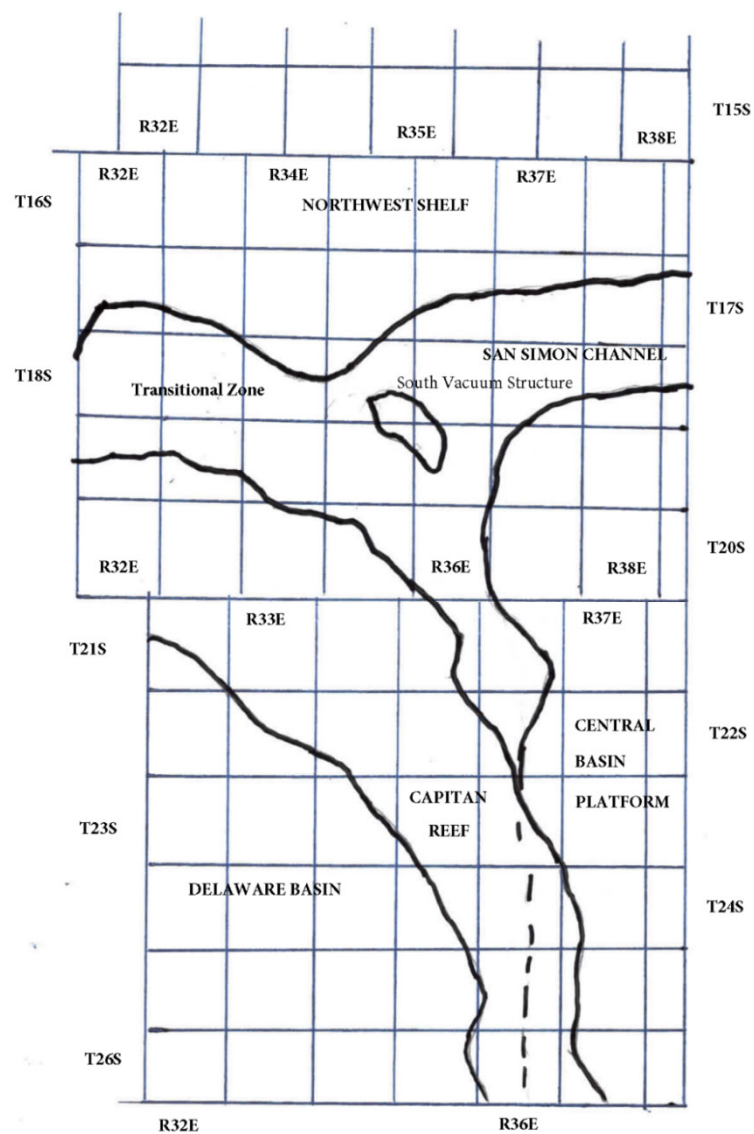


Figure D2 Formation Table

100' Plug to isolate upper and lower fresh water zones (typically 250' to 350')						
Northwest Shelf	Captan Reef Area	Transition Zone	San Simon Channel	South Vacuum Structure	Delaware Basin	Central Basin Platform
Granit Wash (Detrital basement material and fractured pre-Cambrian basement rock)	Siluro-Devonian	Morrow	Siluro-Devonian	Ellenburger	Siluro-Devonian	Granit Wash (Detrital basement material, fractured pre-Cambrian basement rock and fracture Mafic Volcanic intrusives).
Montoya	Mississippian	Atoka	Morrow	McKee	Morrow	Ellenburger
Fusselman	Morrow	Strawn	Wolfcamp	Siluro-Devonian	Atoka	Connell
Woodford	Atoka	Cisco	Abo Reef	Woodford	Strawn	Waddell
Siluro-Devonian	Strawn	Pennsylvanian	Bone Spring	Mississippian	Pennsylvanian	McKee
Chester	Pennsylvanian	Wolfcamp	Delaware	Barnett Shale	Lower Wolfcamp	Simpson Group
Austin	Wolfcamp	Bone Spring	San Andres	Morrow	Upper Wolfcamp	Montoya
Mississippian	Abo Reef, if present	Delaware	Queen	Atoka	Wolfcamp	Fusselman
Morrow	Abo, if present	San Andres	Yates	Strawn	Third Bone Spring Sand (Top of Wolfbone)	Silurian
Atoka	Queen, if present	Grayburg-San Andres	Base of Salt	Canyon	First Bone Spring Sand (Top of Lower Bone Spring)	Devonian
Lower Pennsylvanian	Bone Spring	Queen	Rustler	Pennsylvanian	Bone Spring	Strawn
Cisco-Canyon	Delaware	Seven Rivers		Blinbry	Brushy Canyon	Pennsylvanian
Pennsylvanian	Base Capitan Reef	Yates		Bone Spring	Delaware (Base of Salt)	Wolfcamp
Bough	Seven Rivers	Base of Salt		San Andres	Rustler	Abo
Wolfcamp	Yates	Rustler		Queen		Abo Reef
Abo	Top Capitan Reef			Base of Salt		Drinkard
Abo Reef, if present	Base of Salt			Rustler		Tubb
Yeso (Township 15 South to Township 17 South)	Rustler					Blinbry
Drinkard or Lower Yeso (Township 15 South to Township 17 South)						Paddock
Tubb (Township 15 South to Township 17 South)						Glorieta
Blinbry (Township 15 South to Township 17 South)						San Andres
Paddock (Township 15 South to Township 17 South)						Grayburg
Glorieta						Grayburg-San Andres
San Andres						Queen
Queen (Township 15 South to Township 17 South)						Seven Rivers
Seven Rivers (Township 15 South to Township 17 South)						Yates
Yates (Township 15 South to Township 17 South)						Base of Salt
Base of Salt						Rustler
Rustler						

**CURRENT
WELLBORE DIAGRAM**

LSAU 48

12/27/2023

Created:	8/25/2008	By:	da Silva	Field:	Lovington
Updated:	11/10/2023	By:	M. Torres	Well No.:	48
Lease:	Lovington San Andres			Twp/Rng:	17S 36E
Surf Location:	1980' FSL & 2310' FEL	CHEVNO:	FA4957	Unit Ltr & Section:	J/31
BH Location:				API:	30-025-03844
County:	Lea	KB:		Original Spud Date:	6/3/1939
Current Status:	Active Water Injector	DF:		Original Compl. Date:	
State:	NM	GL:		Formation:	Grayburg/San Andres

Surface Csg.

Size: 13"
 Wt.: 35#/ft
 Set @: 311'
 Sxs cmt: 250
 Circ: Yes
 TOC: Surface
 Hole Size: 17-1/2"

Intermediate Csg.

Size: 9-5/8"
 Wt.: 32#/ft
 Set @: 3070'
 Sxs Cmt: 250
 Circ: NO
 TOC: 390', Calc
 Hole Size: 12-1/4"

Production Csg.

Size: 7"
 Wt.: 24#, J-55
 Set @: 4530'
 Sxs Cmt: 225
 Circ: No
 TOC: 2200', Calc
 Hole Size: 8-3/4"

Current Status: Cement drilled out to 350'.
 Performed CBL, no cement above 260'.
 Perforated at 250' and circulated annulus clean.

6/13-16/23: Cut/pull 7" f/ 350'; spot 35 sx Class C f/ 450'
 - 295'; WOC & tag plug @ 284'

2/10/23: Perf @ 700'; circulate 6 bbls Glycol, 7 bbls EPG
 6 bbls Glycol and 20 bbls fresh water

1/12/23: Perf @ 1,400' and circulate 150 sx Class C
 f/ 1,400' - 904'; WOC & tag plug @ 902'

1/11/23: Perf @ 2,020'; spot 150 sx Class C f/ 2,020'
 - 904'. TOH and downsqueeze. WOC & tag plug @ 1,487'

1/10/23: Perf @ 3,120' (unable to establish injection)
 Spot 45 sx Class C f/ 3,170' - 2,899'. Tag plug @ 2,924'

Csg leak sqz w/ 315 sxs cmt

1/10/23: Spot 27 sx Class C f/ 3,880' - 3,718'

1/10/23: MIRU Coil, RIH and tag cement at 4,476'
 Spot 47 sx Class C f/ 4,476' - 4,193'

12/6/22: Release packer and LD production tubing

10/12/22: Bullhead 79 sx Class C Below packer and displace

Rustler	1,949	
Salt	2,020	
Tansil	2,890	
Seven Rivers	3,239	
Queen	3,880	
Grayburg	4,344	
San Andres	4,599	
TD	4,945	

Open Hole: 4530'- 4960'

Size:

San Andres in OH section

TD: 4900'

**PROPOSED
WELLBORE DIAGRAM**

LSAU 48

2/23/2024

Created:	8/25/2008	By:	da Silva	Field:	Lovington
Updated:	11/10/2023	By:	M. Torres	Well No.:	48
Lease:	Lovington San Andres			Twp/Rng:	17S 36E
Surf Location:	1980' FSL & 2310' FEL	CHEVNO:	FA4957	Unit Ltr & Section:	J/31
BH Location:				API:	30-025-03844
County:	Lea	KB:		Original Spud Date:	6/3/1939
Current Status:	Active Water Injector	DF:		Original Compl. Date:	
State:	NM	GL:		Formation:	Grayburg/San Andres

Surface Csg.

Size: 13"
 Wt.: 35#/ft
 Set @: 311'
 Sxs cmt: 250
 Circ: Yes
 TOC: Surface
 Hole Size: 17-1/2"

Intermediate Csg.

Size: 9-5/8"
 Wt.: 32#/ft
 Set @: 3070'
 Sxs Cmt: 250
 Circ: NO
 TOC: 390', Calc
 Hole Size: 12-1/4"

Production Csg.

Size: 7"
 Wt.: 24#, J-55
 Set @: 4530'
 Sxs Cmt: 225
 Circ: No
 TOC: 2200', Calc
 Hole Size: 8-3/4"

Proposal:
 Cut/pull 9-5/8" csg from 250'.
 Spot 65 sx Class C stump plug; WOC/tag
 Spot 125 sx Class C f/ tag to surface

6/13-16/23: Cut/pull 7" f/ 350'; spot 35 sx Class C f/ 450'
 - 295'; WOC & tag plug @ 284'

2/10/23: Perf @ 700'; circulate 6 bbls Glycol, 7 bbls EPG
 6 bbls Glycol and 20 bbls fresh water

1/12/23: Perf @ 1,400' and circulate 150 sx Class C
 f/ 1,400' - 904'; WOC & tag plug @ 902'

1/11/23: Perf @ 2,020'; spot 150 sx Class C f/ 2,020'
 - 904'. TOH and downsqueeze. WOC & tag plug @ 1,487'

1/10/23: Perf @ 3,120' (unable to establish injection)
 Spot 45 sx Class C f/ 3,170' - 2,899'. Tag plug @ 2,924'

1/10/23: Spot 27 sx Class C f/ 3,880' - 3,718'

1/10/23: MIRU Coil, RIH and tag cement at 4,476'
 Spot 47 sx Class C f/ 4,476' - 4,193'

12/6/22: Release packer and LD production tubing

10/12/22: Bullhead 79 sx Class C Below packer and displace

Csg leak sqz w/ 315 sxs cmt

Rustler	1,949	
Salt	2,020	
Tansil	2,890	
Seven Rivers	3,239	
Queen	3,880	
Grayburg	4,344	
San Andres	4,599	
TD	4,945	

Open Hole: 4530'- 4960'
 Size:

San Andres in OH section

TD: 4900'



Nine

RADIAL CEMENT BOND LOG WITH GAMMA RAY/CCL

Company		CHEVRON		Company		CHEVRON	
Well		LOVINGTON SAN ANDRES UNIT #48		Well		LOVINGTON SAN ANDRES UNIT #48	
Field		LOVINGTON		Field		LOVINGTON	
County		LEA		County		LEA	
State		NM		State		NM	
Location:		API # : 30-025-03844		Other Services		NONE	
Permanent Datum		SEC 48 TWP 17S RGE 36E		Log Measured From		GROUND LEVEL Elevation	
Drilling Measured From		GROUND LEVEL		K.B. N/A		D.F. N/A	
				G.L. N/A			
Date		22-DEC-2023					
Run Number		ONE					
Depth Driller		N/A					
Depth Logger		342'					
Bottom Logged Interval		339'					
Top Log Interval		17'					
Open Hole Size		12.25"					
Type Fluid		WATER					
Density / Viscosity		N/A					
Max. Recorded Temp.		N/A					
Estimated Cement Top		SEE LOG					
Time Well Ready		ROA					
Time Logger on Bottom		14:00					
Equipment Number		129					
Location		MIDLAND, TX					
Recorded By		JASON ROBINSON					
Witnessed By		MR. JOSH THOMAS					
Borehole Record				Tubing Record			
From		To		Size		Weight	
From		To		From		To	
Casing Record		Size		Wgt/Ft		Top	
Surface String		13.000"		35 #		SURFACE	
Production String		9.625"		32 #		SURFACE	
Liner						Bottom	
						311'	
						3.070'	

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

LOG MEASURED FROM GROUND LEVEL PER CUSTOMER REQUEST
LOGGED 9.625" CASING
FREE PIPE AMPLITUDE: 51.3 mV

DURING PRESSURE PASS PICKED UP TRAVEL TIME NOISE DUE TO GAS MOVEMENT IN FLUID

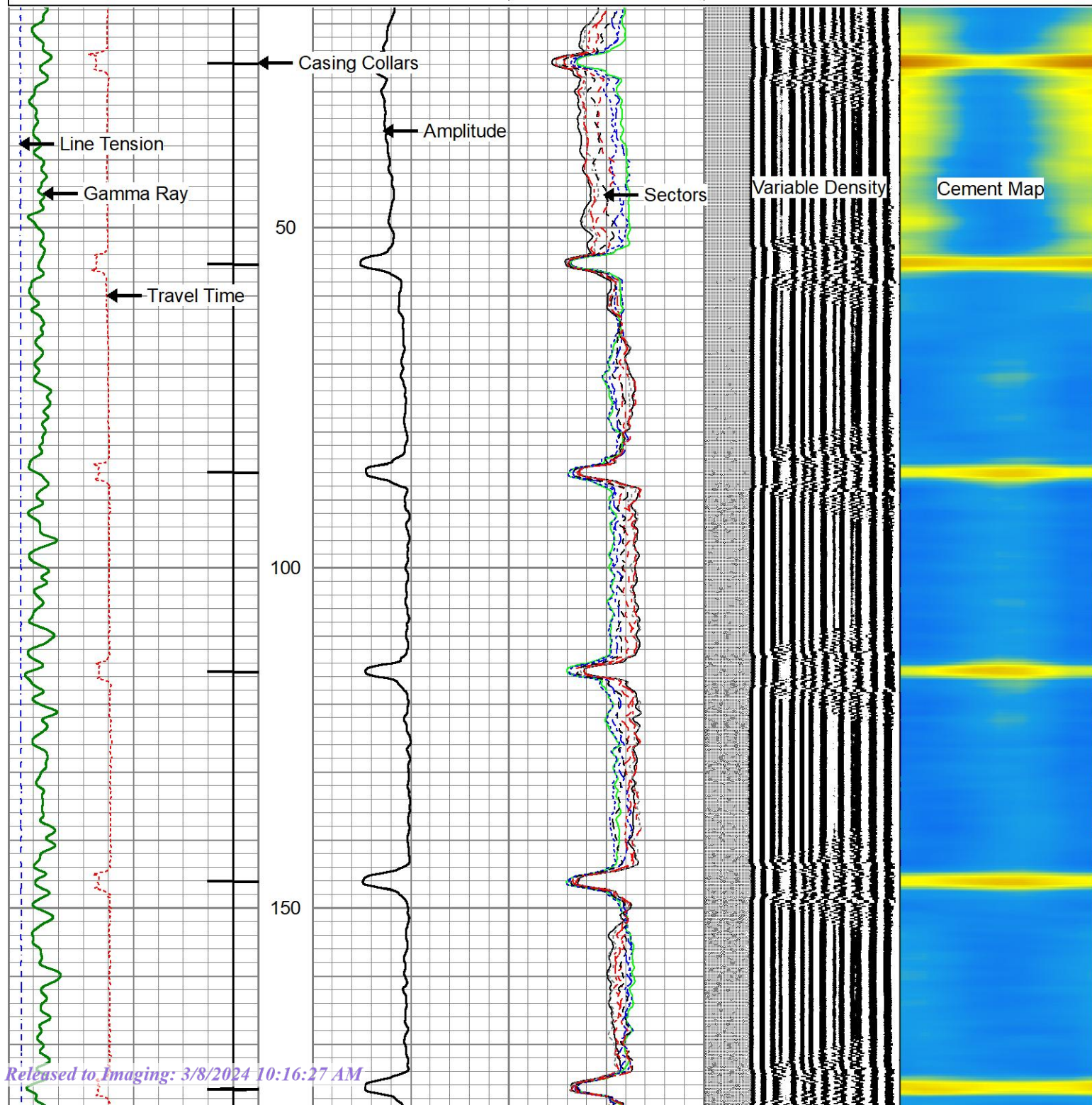
THANK YOU FOR USING NINE ENERGY SERVICE

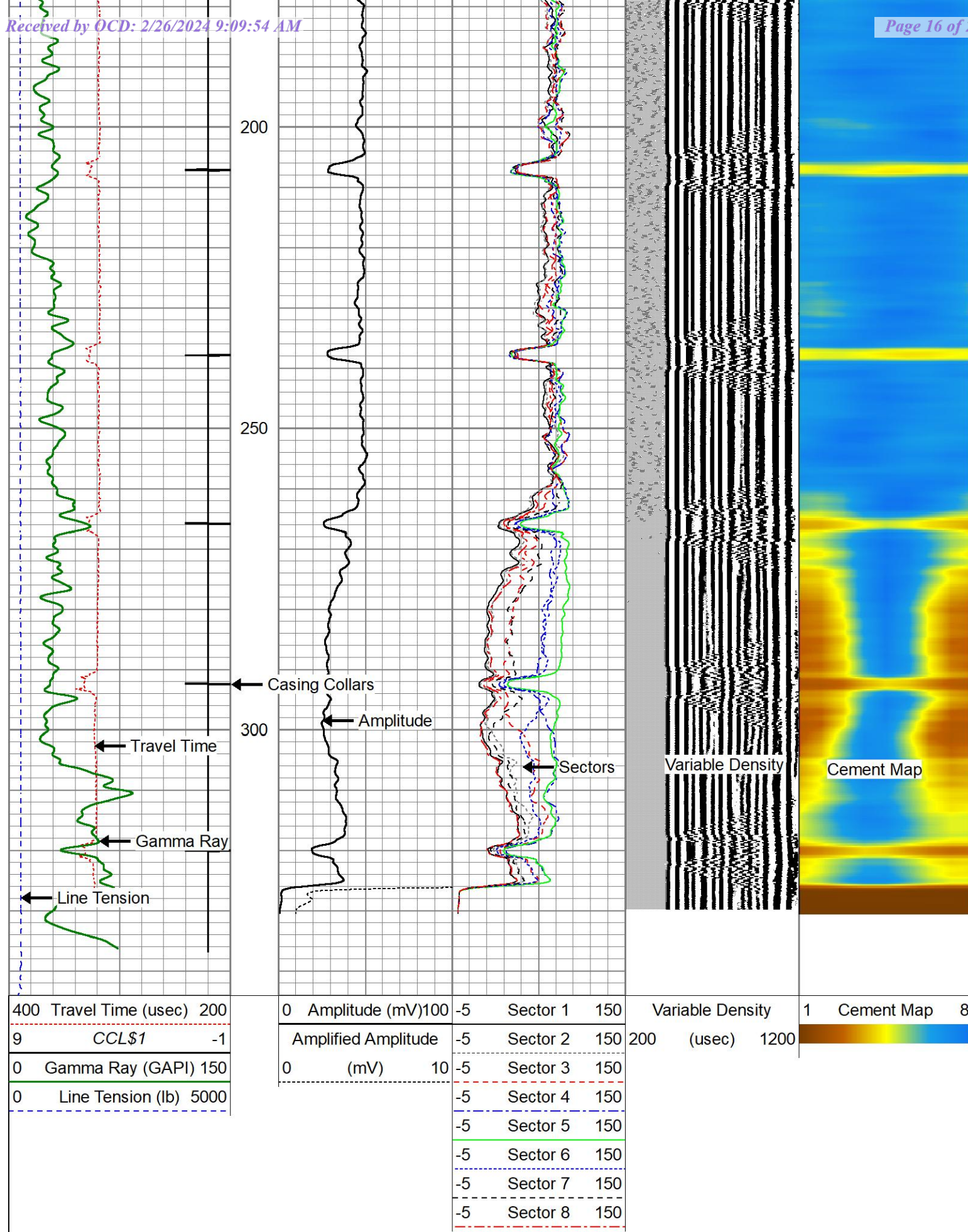


MAIN PASS

LOGGED WITH 0 PSI

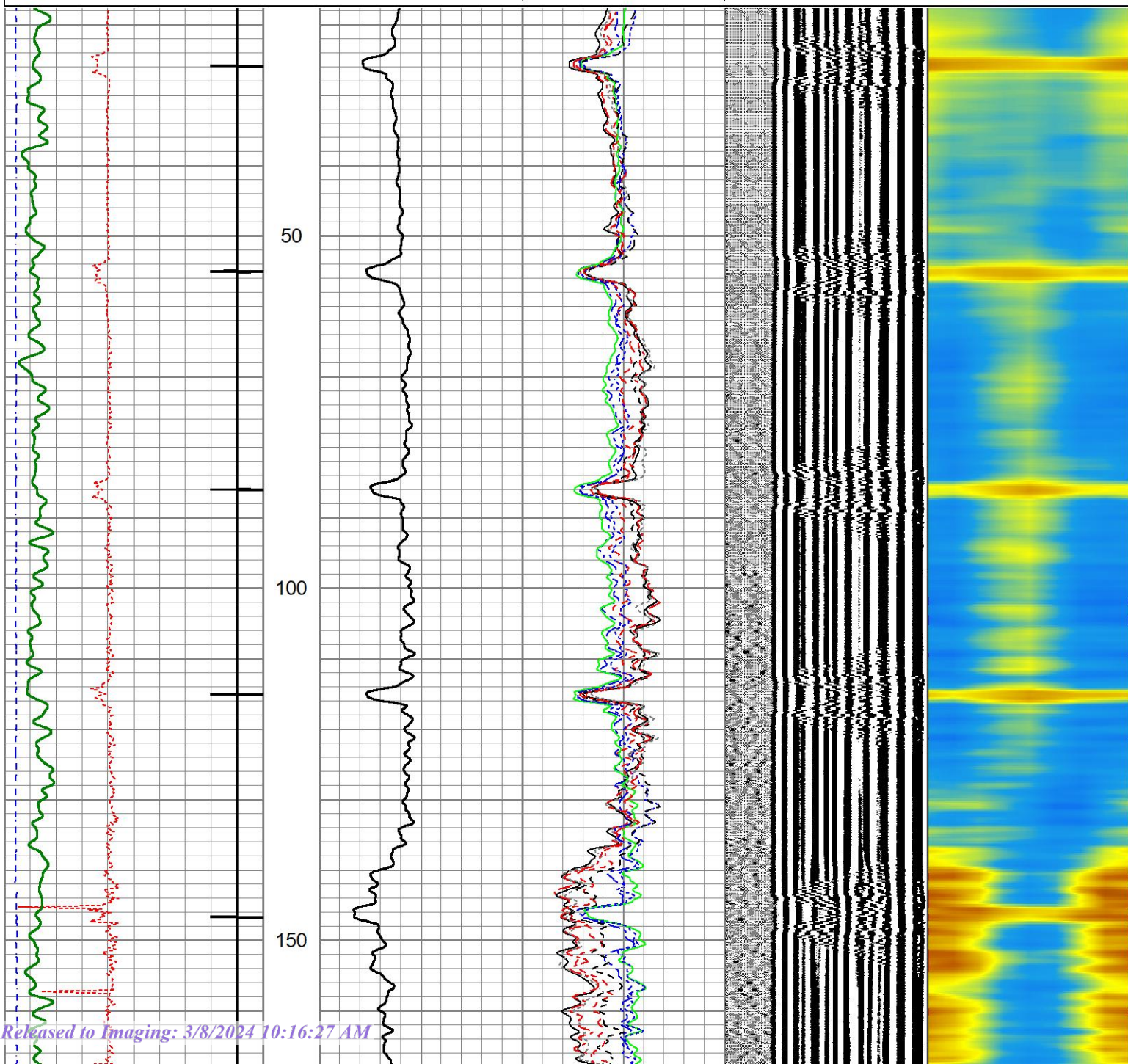
400	Travel Time (usec)	200	0	Amplitude (mV)	100	-5	Sector 1	150	Variable Density	1	Cement Map	8
9	CCL\$1	-1		Amplified Amplitude		-5	Sector 2	150	200	(usec)	1200	
0	Gamma Ray (GAPI)	150	0	(mV)	10	-5	Sector 3	150				
0	Line Tension (lb)	5000				-5	Sector 4	150				
						-5	Sector 5	150				
						-5	Sector 6	150				
						-5	Sector 7	150				
						-5	Sector 8	150				

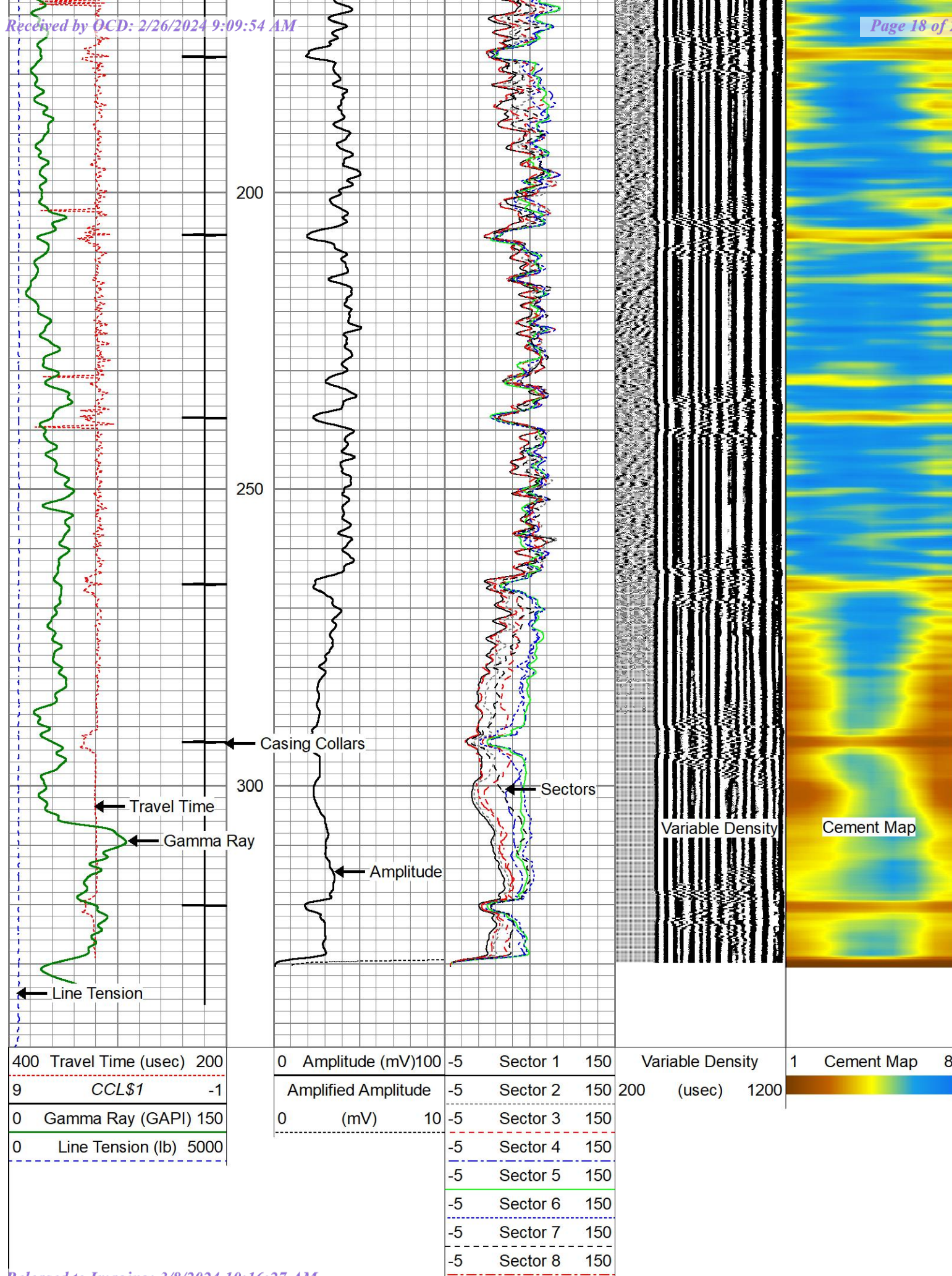




Database File e:\chevron_lsau 48_rcbl.db
Dataset Pathname rcbl/pass14.3
Presentation Format scbl03_act
Dataset Creation Sun Dec 24 15:45:52 2023
Charted by Depth in Feet scaled 1:240

400	Travel Time (usec)	200	0	Amplitude (mV)	100	-5	Sector 1	150	Variable Density	1	Cement Map	8
9	CCL\$1	-1		Amplified Amplitude		-5	Sector 2	150	200 (usec)	1200		
0	Gamma Ray (GAPI)	150	0	(mV)	10	-5	Sector 3	150				
0	Line Tension (lb)	5000				-5	Sector 4	150				
						-5	Sector 5	150				
						-5	Sector 6	150				
						-5	Sector 7	150				
						-5	Sector 8	150				





Sensor		Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
mSec_Count	26.32			Cable_Heads-1_44Titan_CableHead 1 7/16" Titan Cable Head (Max Tension 42,000 lbf) 1" Fish Neck	1.03	1.44	3.60
RBT_Status	26.32						
Error_Ct	26.32			CENT-Probe275 2.75" Centralizer	2.88	2.75	20.00
RBT_HV	22.41						
RBT_TEMP	17.16			RBT8-HTRCB-275T (1302-125) Probe 2.75" High Temperature RADII 8 Sector Bond Tool w/ external temperature	11.65	2.75	
RBT_ACCZ	15.01						
RBT_ACCY	15.01						
RBT_ACCX	15.01						
WVFSYNC	15.01						
WVFS8	15.01						
WVFS7	15.01						
WVFS6	15.01						
WVFS5	15.01						
WVFS4	15.01						
WVFS3	15.01						
WVFS2	15.01			CENT-Probe275 2.75" Centralizer	2.88	2.75	20.00
WVFS1	15.01						
WVFCAL	15.01						
WVF3FT	15.01						
WVF5FT	14.01						
GCT_HV	7.89						
CCL\$2	7.03						
CCL\$1	7.03						
GCT_Temp	6.28			GC-GCT275-0001 (FW1912-002) Probe 2.75" 6 Pin Gamma Ray - CCL w/ Temp	5.01	2.75	55.00
GR	5.53						
GCT_IntTemp	4.54			CENT-Probe275 2.75" Centralizer	2.88	2.75	20.00

Calibration Report		
Database File	E:\chevron_Isau 48_rcbl.db	
Dataset Pathname	rcbl/pass10	
Dataset Creation	Fri Dec 22 15:37:31 2023	

Gamma Ray Calibration Report

Type / Serial:	GCT275-0001 / FW1912-002
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SHOP CALIBRATION		Fri Nov 3 16:23:53 2023			
	Counts/Sec.	Gain	Offset	Jig	Units
Background	43.0				cps
Calibrator	249.8				cps
		0.9819			GAPI/cps
PRIMARY VERIFICATION		Thu Oct 05 18:25:58 2023			
Background	44.6				cps
Calibrator	243.4				cps
Difference				198.8	GAPI
BEFORE SURVEY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI
AFTER SURVEY VERIFICATION					
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Segmented Cement Bond Log Calibration Report

Serial Number:	1302-125		
Tool Model:	HTRCB-275T		
Calibration Casing Diameter:	9.625	in	
Calibration Depth:	199.442	ft	

Master Calibration, performed Fri Dec 22 14:06:29 2023:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.007	1.142	1.000	51.280	44.276	0.697
CAL	0.007	1.228				
5'	0.007	1.312	1.000	51.280	38.524	0.730
SUM						
S1	0.007	1.038	0.000	100.000	96.987	-0.685
S2	0.007	0.990	0.000	100.000	101.678	-0.695
S3	0.007	1.033	0.000	100.000	97.417	-0.668
S4	0.007	1.129	0.000	100.000	89.099	-0.617
S5	0.007	1.240	0.000	100.000	81.063	-0.549
S6	0.007	1.286	0.000	100.000	78.166	-0.545
S7	0.007	1.223	0.000	100.000	82.216	-0.569
S8	0.007	1.123	0.000	100.000	89.632	-0.626

Internal Reference Calibration, performed Fri Dec 22 11:34:12 2023:

	Raw (v)	Calibrated (v)	Results
--	---------	----------------	---------

	Zero	Cal	Zero	Cal	Gain	Offset	Page 21 of 23
CAL	0.000	0.000	0.007	1.228	1.000	0.000	

Air Zero Calibration, performed Fri Dec 22 11:38:56 2023:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Inclinometer Calibration Report

Performed:	(Not Performed)				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	0.00	1.00	0.00	1.00	gee
Y Accelerometer	0.00	1.00	0.00	1.00	gee
Z Accelerometer	0.00	1.00	0.00	1.00	gee



Company	CHEVRON
Well	LOVINGTON SAN ANDRES UNIT #48
Field	LOVINGTON
County	LEA
State	NM
Country	USA

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

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

COMMENTS

Action 317343

COMMENTS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 317343
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM.	3/8/2024

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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	Action Number: 317343
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	See attached COA	3/8/2024