

Well Name: SILVER FED COM	Well Location: T20S / R33E / SEC 16 / TR A / 32.580084 / -103.661568	County or Parish/State: LEA / NM
Well Number: 114H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM094851	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002551289	Well Status:	Operator: MATADOR PRODUCTION COMPANY

Notice of Intent

Sundry ID: 2775290

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 02/15/2024	Time Sundry Submitted: 12:35
Date proposed operation will begin: 02/15/2024	

**Procedure Description:** Silver #114H API 30-025-51289 – Remediation Procedure Verbally approved by Saman Akhtarmanesh February 2nd 2024 Notice of remediation operation start sent via email on February 5th 2024 \*email chain attached. Please see the attached documents including a remediation procedure, summary of actual operations, pressure test charts, final plats with hardlines, and email correspondence with BLM representatives. An expandable liner was successfully installed on February 12th, 2024 with passing 30 minute positive pressure and negative pressure tests to 2,600 psi and 0 psi respectively. The current first take point of the well is 9,673’ MD.

NOI Attachments

Procedure Description

Silver\_\_114H\_NOI\_Documentation\_20240215123153.pdf

Received by OCD: 3/19/2024 10:23:38 AM

Page 2 of 17

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Lease Number: NMNM094851	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002551289	Well Status:	Operator: MATADOR PRODUCTION COMPANY

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: NICKY FITZGERALD	Signed on: FEB 15, 2024 12:32 PM
Name: MATADOR PRODUCTION COMPANY	
Title: Regulatory Consultant	
Street Address: 5400 LBJ FREEWAY STE 1500	
City: DALLAS	State: TX
Phone: (972) 371-5448	
Email address: nicky.fitzgerald@matadorresources.com	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 03/18/2024
Signature: Chris Walls	

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	
11. Country or Parish, State	

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
Signature	Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## Additional Information

### Location of Well

0. SHL: TR A / 115 FNL / 578 FEL / TWSP: 20S / RANGE: 33E / SECTION: 16 / LAT: 32.580084 / LONG: -103.661568 ( TVD: 0 feet, MD: 0 feet )

PPP: TR P / 0 FNL / 417 FEL / TWSP: 20S / RANGE: 33E / SECTION: 4 / LAT: 32.594899 / LONG: -103.661129 ( TVD: 9194 feet, MD: 14186 feet )

PPP: TR I / 1323 FSL / 425 FEL / TWSP: 20S / RANGE: 33E / SECTION: 4 / LAT: 32.598536 / LONG: -103.661123 ( TVD: 9194 feet, MD: 15510 feet )

PPP: TR H / 2653 FNL / 434 FEL / TWSP: 20S / RANGE: 33E / SECTION: 4 / LAT: 32.602173 / LONG: -103.661117 ( TVD: 9194 feet, MD: 16833 feet )

PPP: TR H / 2639 FSL / 445 FEL / TWSP: 20S / RANGE: 33E / SECTION: 9 / LAT: 32.587653 / LONG: -103.66114 ( TVD: 9194 feet, MD: 11550 feet )

PPP: TR I / 1320 FSL / 448 FEL / TWSP: 20S / RANGE: 33E / SECTION: 9 / LAT: 32.584027 / LONG: -103.661146 ( TVD: 9194 feet, MD: 10231 feet )

BHL: TR A / 100 FNL / 450 FEL / TWSP: 20S / RANGE: 33E / SECTION: 4 / LAT: 32.6091852 / LONG: -103.6611076 ( TVD: 9194 feet, MD: 19384 feet )

CONFIDENTIAL

**Silver #114H API 30-025-51289 – Remediation Procedure**

Verbally approved by Saman Akhtarmanesh February 2<sup>nd</sup> 2024

Notice of remediation operation start sent via email on February 5<sup>th</sup> 2024 \*email chain attached

Heel Hardline: 9,615' MD

Lease Line Intersection: 9,514' MD

Current First Perf Point: Perforation at 9,426' MD.

1. MIRU workover rig and all auxiliary equipment. Kill well and ensure WHP = 0 psi before proceeding.
2. Cleanout well to ~9,753' MD or approximately 100' past planned expandable liner set depth.
3. Set correlation bridge plug (BP) at ~9,663' MD or approximately 10' past planned expandable liner set depth.
4. Set expandable liner from ~9,653' (10' above BP) to ~9,040' MD (approximately 30 degrees in the curve.)
5. Perform positive pressure test on wellbore and liner from correlation BP to surface at 2,500 psi for 30 minutes.
6. Perform negative pressure test on wellbore and liner from correlation BP to surface for 30 mins.
7. Mill correlation bridge plug.

Proposed First Take Point: 9,673' (58' MD inside Heel Hardline and 159' MD inside Lease Line)

**Silver #114H API 30-025-51289: Remediation – Actual Results**

Heel Hardline: 9,615' MD

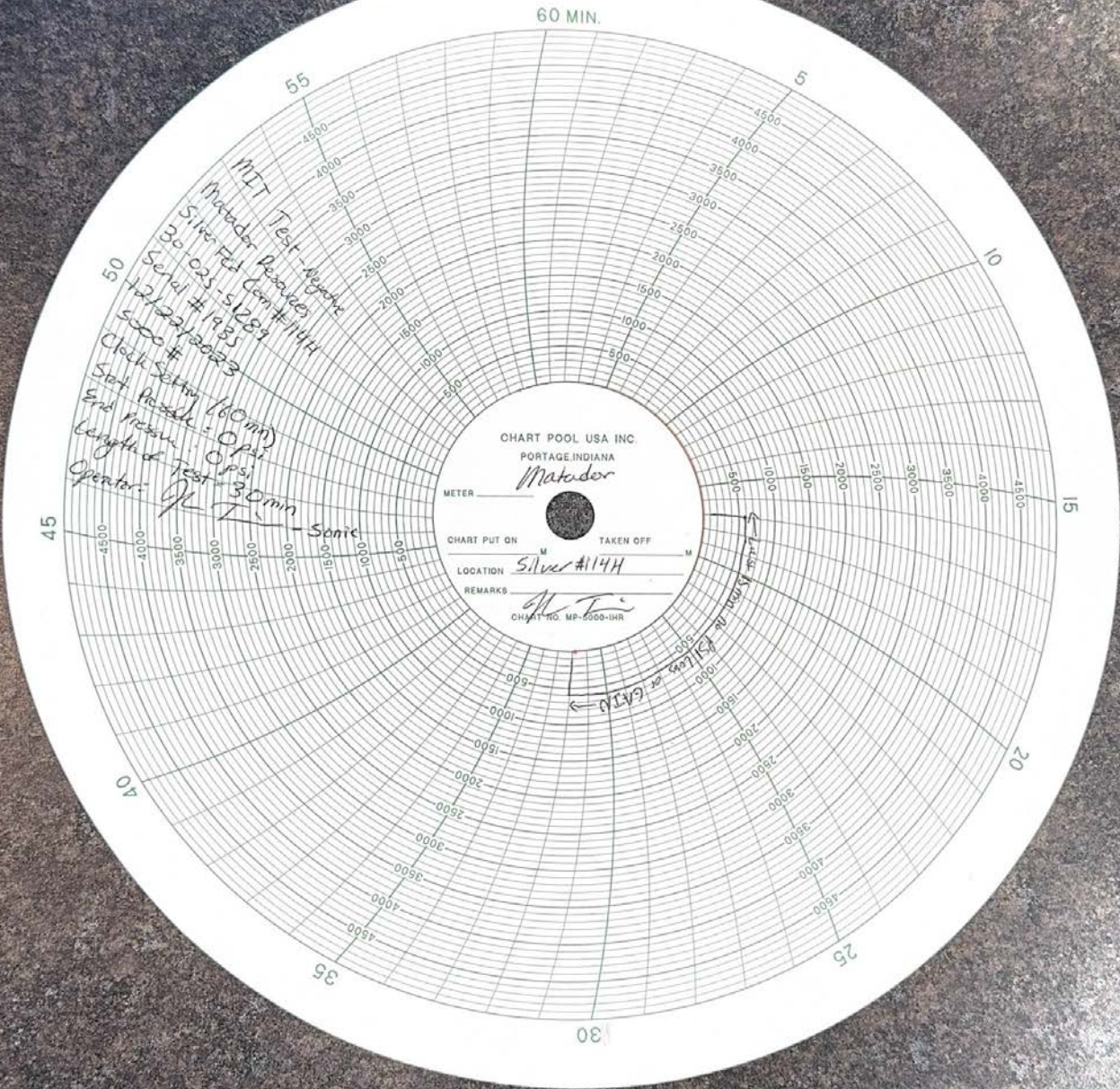
Lease Line Intersection: 9,514' MD

**New First Take Point: 9,673' MD**

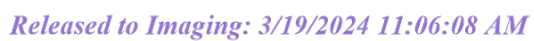
1. MIRU workover rig and all auxiliary equipment. Kill well and ensure WHP = 0 psi before proceeding.
2. Cleanout well to 9,749' MD.
3. Set correlation bridge plug (BP) at 9,667' MD.
4. Cleanout well with Coretrax string mill BHA to 9,660' MD.
5. Cleanout well with Coretrax string mill BHA #2 to 9,660' MD.
6. Set casing patch from ~9,645' MD to ~8,996' MD.
7. Perform positive pressure test on wellbore and liner from correlation BP to surface at 2,600 psi for 30 minutes, good test \*chart attached.
8. Perform negative pressure test on wellbore and liner from correlation BP to surface for 30 mins, good test \*chart attached.
9. Mill correlation bridge plug.

New First Take Point: 9,673' MD (58' MD inside Heel Hardline and 159' MD inside Lease Line)









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 Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources  
Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

AS-COMPLETED PLAT

<sup>1</sup> API Number	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name
<sup>4</sup> Property Code	<sup>5</sup> Property Name SILVER FED COM	<sup>6</sup> Well Number 114H
<sup>7</sup> OGRID No.	<sup>8</sup> Operator Name MATADOR PRODUCTION COMPANY	<sup>9</sup> Elevation 3552'

<sup>10</sup>Surface Location

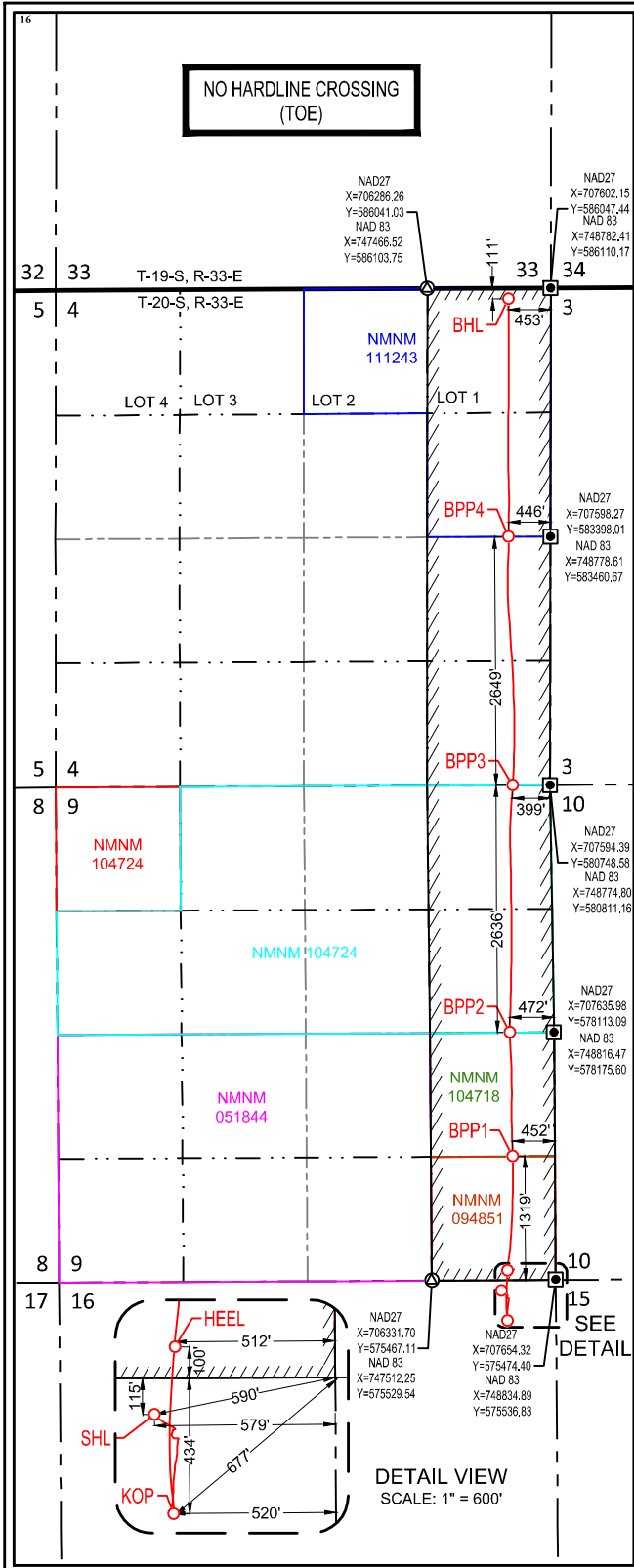
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	16	20-S	33-E	-	115'	NORTH	579'	EAST	LEA

<sup>11</sup>Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	4	20-S	33-E	-	111'	NORTH	453'	EAST	LEA

<sup>12</sup> Dedicated Acres 320.21	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



NEW MEXICO EAST  
NAD 1983  
SURFACE LOCATION (SHL)

115' FNL - SEC. 16  
579' FEL - SEC. 16  
X=748257 Y=575419  
LAT.: N 32.5800844  
LONG.: W 103.6615676

KICK OFF POINT (KOP)

434' FNL - SEC. 16  
520' FEL - SEC. 16  
X=748318 Y=575100  
LAT.: N 32.5792087  
LONG.: W 103.6613780  
MD=8800' TVD=8785'

FIRST TAKE POINT (HEEL)

100' FSL - SEC. 9  
512' FEL - SEC. 9  
X=748322 Y=575634  
LAT.: N 32.5806753  
LONG.: W 103.6613530  
MD=9615' TVD=9293'

BLM PERF. POINT (BPP1)

1319' FSL - SEC. 9  
452' FEL - SEC. 9  
X=748374 Y=576854  
LAT.: N 32.5840270  
LONG.: W 103.6611597  
MD=10838' TVD=9300'

BLM PERF. POINT (BPP2)

2636' FNL - SEC. 9  
472' FEL - SEC. 9  
X=748344 Y=578173  
LAT.: N 32.5876536  
LONG.: W 103.6612292  
MD=12158' TVD=9288'

BLM PERF. POINT (BPP3)

0' FNL - SEC. 9  
399' FEL - SEC. 9  
X=748376 Y=580809  
LAT.: N 32.5948993  
LONG.: W 103.6610712  
MD=14798' TVD=9246'

BLM PERF. POINT (BPP4)

2649' FSL - SEC. 4  
446' FEL - SEC. 4  
X=748332 Y=583458  
LAT.: N 32.6021800  
LONG.: W 103.6611593  
MD=17449' TVD=9230'

BOTTOM HOLE LOCATION (BHL)

111' FNL - SEC. 4  
453' FEL - SEC. 4  
X=748330 Y=585997  
LAT.: N 32.6091586  
LONG.: W 103.6611155  
MD=19991' TVD=9215'

<sup>17</sup>OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Printed Name \_\_\_\_\_

E-mail Address \_\_\_\_\_

<sup>18</sup>SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

05/23/2023

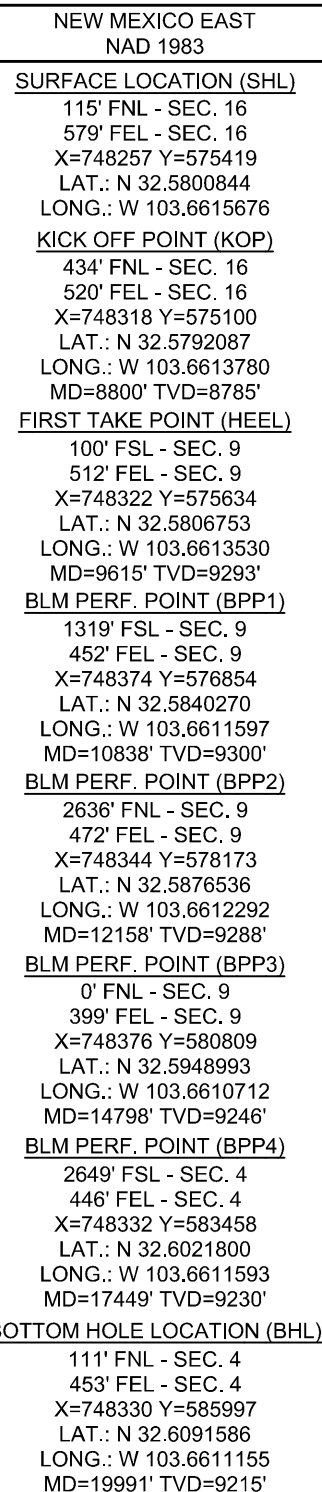
Date of Survey \_\_\_\_\_  
Signature and Seal of Professional Surveyor \_\_\_\_\_

Certificate Number \_\_\_\_\_

NEW MEXICO EAST  
NAD 1927

<u>SURFACE LOCATION (SHL)</u> X=707077 Y=575356 LAT.: N 32.5799621 LONG.: W 103.6610736	<u>KICK OFF POINT (KOP)</u> X=707137 Y=575038 LAT.: N 32.5790664 LONG.: W 103.6608840
<u>FIRST TAKE POINT (HEEL)</u> X=707141 Y=575572 LAT.: N 32.5806530 LONG.: W 103.6608590	<u>BLM PERF. POINT (BPP1)</u> X=707193 Y=576791 LAT.: N 32.5839047 LONG.: W 103.6606656
<u>BLM PERF. POINT (BPP2)</u> X=707164 Y=578111 LAT.: N 32.5875314 LONG.: W 103.6607349	<u>BLM PERF. POINT (BPP3)</u> X=707196 Y=580747 LAT.: N 32.5947771 LONG.: W 103.6605766
<u>BLM PERF. POINT (BPP4)</u> X=707152 Y=583395 LAT.: N 32.6020578 LONG.: W 103.6606644	<u>BOTTOM HOLE LOCATION (BHL)</u> X=707149 Y=585934 LAT.: N 32.6090364 LONG.: W 103.6606204





INTERNAL  
PRE-COMPLETION  
PLAT

Angel M. Baeza, P.S. No. 25116



SILVER FED COM 114H  PRE-COMPLETION	REVISION:	
	INT	DATE
DATE: 01/24/2024		
FILE:C_SILVER_FED_COM_114H		
DRAWN BY: IMU		
SHEET : 2 OF 2		

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

Garrett Hunt

**From:** Blake Hermes  
**Sent:** Monday, February 05, 2024 7:26 AM  
**To:** Cliff Humphreys; Immatty, Keith P; Akhtarmanesh, Saman; Vo, Long T  
**Cc:** Jackson Driggs; Waylon Wolf; Garrett Hunt  
**Subject:** RE: [EXTERNAL] RE: Silver Fed Com, Well Number 114H, 124H  
**Attachments:** Silver Fed Com 114H\_Final Survey\_with Annotations.xlsx; Silver Fed Com 124H\_Final Survey\_with Annotations.xlsx; C\_SILVER\_FED\_COM\_114H.pdf; C\_SILVER\_FED\_COM\_124H.pdf; Silver #114H #124H Perforation Isolation Procedure\_v5.docx

Saman,

As per our conversation, attached are final surveys with annotations of the lease line, hardline, current top perforation and updated top perforations (both wells will be back inside of the heel hardline) after the liner is set. I have also attached the as drilled plats and updated procedures that include both negative and positive pressure test.

As discussed, we will be moving in a workover rig on Monday to perform operations as described and will submit an NOI sundry once completed with charted pressure test and operations summary.

We really appreciate your timeliness in handling this and will be in contact if anything changes.

Below are the updated depths:  
**Silver Fed Com #114H:**  
Heel Hardline (from plat) – 9,615’ MD  
New First Take Point Post Liner Set – 9,673’ MD  
New First Take Point is 58’ MD inside Hardline

**Silver Fed Com #124H:**  
Heel Hardline (from plat) – 10,491’ MD  
New First Take Point Post Liner Set – 10,712’ MD  
New First Take Point is 221’ MD inside Hardline

Thanks,

**Blake Hermes | Drilling Manager**  
**Matador Resources Company | 5400 LBJ Fwy | Suite 1500 | Dallas, Texas 75240**  
Office: 972-371-5485 | Cell: 713-876-8558  
[bhermes@matadorresources.com](mailto:bhermes@matadorresources.com)



**From:** Cliff Humphreys <chumphreys@matadorresources.com>  
**Sent:** Thursday, February 1, 2024 4:58 PM  
**To:** Vo, Long T <lvo@blm.gov>; Immatty, Keith P <kimmatty@blm.gov>; Akhtarmanesh, Saman <sakhtarmanesh@blm.gov>  
**Cc:** Jackson Driggs <JDriggs@matadorresources.com>; Waylon Wolf <WWolf@matadorresources.com>; Garrett Hunt <GHunt@matadorresources.com>; Blake Hermes <BHermes@matadorresources.com>  
**Subject:** RE: [EXTERNAL] RE: Silver Fed Com, Well Number 114H, 124H

Long,

Thank you for your feedback. The collapse testing report in CX-TR-013C that you referenced is representative of a 5.5” liner that is meant to be run in 7” OD casing. The minimum yield collapse pressures are higher on the smaller OD liners that we intend to run.

I retrieved a specification sheet that is more up-to-date than the previous sheet I sent yesterday. Please direct your attention to the 5.5” 20 lb/ft and 23 lb/ft options. The pre-expansion OD of these liners is 4.25” OD, and they are meant to be run in 5.5” casing. The post expansion collapse pressures for liners that can be set in 5.5” 20 lb/ft and 23 lb/ft casing are 8,060 psi and 7,530 psi, respectively. These ratings are representative of the minimum material requirements, and provide a collapse safety factor of at least 1.67 assuming a bottom hole pressure of 4,494 psi.

More importantly, I have also attached specifications for material from the **exact batch** as the liner that we intend to run in the 5.5" 23 lb/ft casing on the Silver #114H. For QC purposes, samples are taken from each Batch (Heat) during manufacturing, and individual specifications are assigned. The post-expansion collapse pressure on this material is 8,780 psi.

In the Silver Fed Com #124H well, we will be running a liner fit for 5.5" 20 lb/ft casing. We are awaiting the QC results from the specific batch number for this liner. The ratings will meet or exceed the collapse pressure ratings of 7,530 psi as listed above, or otherwise it will not be deployed.

You had also inquired yesterday about API specifications for this pipe. I was able to gather feedback regarding this subject. The expandable liner ratings use the same methods outlined by API TR 5C3. However, CoreTrax uses post-expanded material properties to account for strain hardening during the expansion process. Although the MTX-70 material grade is not directly equivalent to an API grade, it is manufactured to an equivalent and in some cases more stringent requirement than is outlined in API Specification 5CT. The MTX-70 material has a specific chemical composition that exceeds the requirements for certain API grades.

Please let me know if there are any additional questions or concerns, or if you would like to have a discussion via phone or teams.

Thank you,

**CLIFF HUMPHREYS**

Executive Vice President of Completions

Matador Resources Company

Direct: [972-371-5288](tel:972-371-5288)

Cell: [940-704-3268](tel:940-704-3268)

Fax: [214-866-4888](tel:214-866-4888)



---

**From:** Vo, Long T <[lvo@blm.gov](mailto:lvo@blm.gov)>

**Sent:** Thursday, February 1, 2024 10:30 AM

**To:** Cliff Humphreys <[chumphreys@matadorresources.com](mailto:chumphreys@matadorresources.com)>; Immatty, Keith P <[kimmatty@blm.gov](mailto:kimmatty@blm.gov)>; Akhtarmanesh, Saman <[sakhtarmanesh@blm.gov](mailto:sakhtarmanesh@blm.gov)>

**Cc:** Jackson Driggs <[JDriggs@matadorresources.com](mailto:JDriggs@matadorresources.com)>; Waylon Wolf <[WWolf@matadorresources.com](mailto:WWolf@matadorresources.com)>; Garrett Hunt <[GHunt@matadorresources.com](mailto:GHunt@matadorresources.com)>; Blake Hermes <[BHermes@matadorresources.com](mailto:BHermes@matadorresources.com)>

**Subject:** Re: [EXTERNAL] RE: Silver Fed Com, Well Number 114H, 124H

**\*\*EXTERNAL EMAIL\*\***

All,

From the Collapse testing report CX-TR-013C the test pressure of article one collapse at 4474 psi and the second at 4689 psi. I have concern that the patch will leak due to bottom hole pressure of around 4494 psi. Do you have test reports for a higher-grade material?

Regards,

Long Vo, EIT, M.Sc.

Petroleum Engineer SME  
Carlsbad Field Office  
Land and Minerals  
Bureau of Land Management  
Department of Interior  
575-988-5402 Cell

---

**From:** Cliff Humphreys <[chumphreys@matadorresources.com](mailto:chumphreys@matadorresources.com)>

**Sent:** Wednesday, January 31, 2024 5:22 PM

**To:** Vo, Long T <[lvo@blm.gov](mailto:lvo@blm.gov)>; Immatty, Keith P <[kimmatty@blm.gov](mailto:kimmatty@blm.gov)>; Akhtarmanesh, Saman <[sakhtarmanesh@blm.gov](mailto:sakhtarmanesh@blm.gov)>

**Cc:** Jackson Driggs <[JDriggs@matadorresources.com](mailto:JDriggs@matadorresources.com)>; Waylon Wolf <[WWolf@matadorresources.com](mailto:WWolf@matadorresources.com)>; Garrett Hunt



<[GHunt@matadorresources.com](mailto:GHunt@matadorresources.com)>; Blake Hermes <[BHermes@matadorresources.com](mailto:BHermes@matadorresources.com)>

**Subject:** [EXTERNAL] RE: Silver Fed Com, Well Number 114H, 124H

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Long, Keith, Saman,

Thank you all for your time earlier this afternoon. I have attached a few additional documents outlining the testing process for the proposed liner system. We also received word on the composition of the elastomer that serves as a redundant seal between each metal-to-metal seal point on the anchors. Please see below for details:

**Testing Attached:**

- NACE Testing for MTX-70 and MTX-60 material. In our proposal, we will be using MTX-70. For sulfide stress cracking on the carbon steel expandable tubular material, CoreTrax follows NACE TM0177 Method C with 100% H<sub>2</sub>S exposure. Test results attached.
- Internal burst pressure testing for MTX-70 material. The expanded liner reached an internal pressure of 14,297 psi before rupturing.
- Testing for different sizes of the same connections – 3.875" and 5.5" OD.

The elastomer material in between each metal rib on the anchors is HNBR. It is rated to 300F.

I have attached the photograph of the anchor and its associated seals that we reviewed in our earlier discussion, accompanied with some information on the run-history of the liner. Please let us know if there is any other data we can provide.

Thanks again,

**CLIFF HUMPHREYS**

Executive Vice President of Completions

Matador Resources Company

Direct: [972-371-5288](tel:972-371-5288)

Cell: [940-704-3268](tel:940-704-3268)

Fax: [214-866-4888](tel:214-866-4888)



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**From:** Cliff Humphreys

**Sent:** Wednesday, January 31, 2024 2:32 PM

**To:** [lvo@blm.gov](mailto:lvo@blm.gov); [kimmatty@blm.gov](mailto:kimmatty@blm.gov)

**Cc:** Jackson Driggs <[JDriggs@matadorresources.com](mailto:JDriggs@matadorresources.com)>; Waylon Wolf <[WWolf@matadorresources.com](mailto:WWolf@matadorresources.com)>; Garrett Hunt <[GHunt@matadorresources.com](mailto:GHunt@matadorresources.com)>; Blake Hermes <[BHermes@matadorresources.com](mailto:BHermes@matadorresources.com)>

**Subject:** RE: Silver Fed Com, Well Number 114H, 124H

Long and Keith,

Would you all have time today for a call to discuss this plan at 3:00 PM CT (2:00 PM MT)? I can send a Microsoft Teams link in the event that you would like us to share screens for diagrams, etc.

Thank you in advance,

Cliff Humphreys

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**From:** Cliff Humphreys

**Sent:** Wednesday, January 31, 2024 2:07 PM

**To:** [lvo@blm.gov](mailto:lvo@blm.gov); [kimmatty@blm.gov](mailto:kimmatty@blm.gov)

Cc: Jackson Driggs <[JDriggs@matadorresources.com](mailto:JDriggs@matadorresources.com)>; Waylon Wolf <[WWolf@matadorresources.com](mailto:WWolf@matadorresources.com)>; Garrett Hunt <[GHunt@matadorresources.com](mailto:GHunt@matadorresources.com)>; Blake Hermes <[BHermes@matadorresources.com](mailto:BHermes@matadorresources.com)>  
Subject: Silver Fed Com, Well Number 114H, 124H

Long,

Thank you for your time yesterday. As discussed, Matador would like to provide you with our plan for remediation on two wells for which the existing first take points are outside of the intended lease boundary and hardlines. Matador has not produced from any take points in either of these wells to date, and does not intend to do so until the wells are remediated as follows. Would you have a moment this afternoon to discuss these procedures in more detail over a phone call?

**Well Information:**

- **Silver Federal Com #114H**
  - API 30-025-51289
  - Heel Hardline: 9,615’ MD
  - Lease Line Intersection: 9,514’ MD
  - Current First Take Point: Perforation at 9,426’ MD
- **Silver Federal Com #124H**
  - API 30-025-51290
  - Heel Hardline: 10,491’ MD
  - Lease Line Intersection: 10,389’ MD
  - Current First Take Point: Perforation at 10,214’ MD

**Remediation Plan:**

- Isolate existing perforations that are shallower than the heel hardline depth from the remainder of the wellbore utilizing CoreTrax Re-Line MNS expandable liner.
- New first take points will be deeper than the heel hardlines for each well.
- Perform a negative test for 30 minutes.
- Perform a positive pressure test on the expandable liner to 2,500 psi for 30 minutes against a bridge plug set deeper than the liner, but shallower than the proposed first take point.
- Remove the bridge plug and produce from the perforations deeper than the liner.
- Anticipated maximum pressure across the liner < 1,000 psi during initial production and will decrease throughout the well’s productive life.

With consideration to the following characteristics and run history of the CoreTrax Re-Line MNS system, we believe that this tool is the optimal solution for providing permanent isolation for these perforations from the remainder of the wellbore.

**System Information:**

- Specification Sheet attached – proposed system is MTX-70 material grade and is highlighted in the attachment.
- Metal Anchors at the top and bottom of the casing patch provide multiple redundant metal-to-metal seal points with elastomer backup seals in between each point of contact.
  - Each liner connection applies a separate metal-to-metal seal with the casing, providing an additional seal every ~37 ft.

**Run History:**

- 525 patches deployed dating back to 2012. 475,000 total ft.
  - The majority of these jobs being for the purpose of isolating casing leaks and isolating unwanted perforations.
- Matador has deployed this specific system in 3 separate instances to repair casing leaks. All three of these systems were exposed to fracturing treatment pressures of over 8,500 psi following their successful installation. Each of these systems held pressure throughout the stimulation, and have maintained their integrity throughout the well’s productive life (2+ years and ongoing.)

Thanks again for your time,

**CLIFF HUMPHREYS**  
Executive Vice President of Completions  
Matador Resources Company  
Direct: [972-371-5288](tel:972-371-5288)  
Cell: [940-704-3268](tel:940-704-3268)  
Fax: [214-866-4888](tel:214-866-4888)



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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  
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1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
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CONDITIONS

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