

|                                |   |   |
|--------------------------------|---|---|
| Well Name: HARRINGTON          | Well Location: T24N / R1W / SEC 32 / NESE / 36.264688 / -106.959979 | County or Parish/State: RIO ARRIBA / NM |
| Well Number: 7                 | Type of Well: CONVENTIONAL GAS WELL                                 | Allottee or Tribe Name:                 |
| Lease Number: NMSF079352A      | Unit or CA Name: HARRINGTON   | Unit or CA Number: NMNM073787           |
| US Well Number: 300390522500S1 | Well Status: Gas Well Shut In                                       | Operator: M & M PRODUCTION & OPERATION  |

Subsequent Report

Sundry ID: 2757915

|   |                                      |
|---|--------------------------------------|
| Type of Submission: Subsequent Report     | Type of Action: Plug and Abandonment |
| Date Sundry Submitted: 10/24/2023         | Time Sundry Submitted: 02:53         |
| Date Operation Actually Began: 10/11/2023 |                                      |

**Actual Procedure:** As Record Title Owner of Lease No. NMSF079352A, MorningStar Operating LLC has completed the P&A of the Harrington #7, API 30-039-05225, as of 10/18/2023. Attached are the Final WBD and the Daily Cement Reports.

SR Attachments

Actual Procedure

- Harrington\_7\_Final\_P\_A\_Cementing\_Reports\_20231024145200.pdf
- Harrington\_\_7\_P\_A\_WBD\_Final\_10\_23\_2023\_20231024145200.pdf
- MorningStar\_Harrington\_7\_Email\_10242023\_20231024145200.pdf

BLM Point of Contact

|                                 |   |
|---------------------------------|---|
| BLM POC Name: KENNETH G RENNICK | BLM POC Title: Petroleum Engineer       |
| BLM POC Phone: 5055647742       | BLM POC Email Address: krennick@blm.gov |
| Disposition: Accepted           | Disposition Date: 10/24/2023            |
| Signature: Kenneth Rennick      |   |

[EXTERNAL] Harrington 7\_P&A Subsequent Sundry

Connie Blaylock <cblaylock@txopartners.com>

Tue 10/24/2023 2:05 PM

To:Rennick, Kenneth G <krennick@blm.gov>;Fachan, Shannon L <sfachan@blm.gov>

Cc:Dave Pearson <dpearson@txopartners.com>;Dave Harford <dharford@txopartners.com>;Brodie Savage <bsavage@txopartners.com>;Jason Peace <JPeace@ctfieldsvecs.com>;Robert W. Berry <RBerry@txopartners.com>

📎 2 attachments (595 KB)

Harrington #7\_P&A WBD Final\_10-23-2023.pdf; Harrington 7\_Final P&A Cementing Reports.pdf;

**This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.**

Hi Kenny and Shannon,

As Record Title Owner of Lease No. NMSF079352A, MorningStar Operating LLC has completed the P&A of the Harrington #7, API 30-039-05225, as of 10/18/2023.

Attached are the Final WBD and the Daily Cement Reports.

Thank you,

*Connie Blaylock*



400 W. 7th Street  
Fort Worth, TX 76102  
(deliveries: 400 W. 6th Street)

Connie Blaylock  
Senior Regulatory Analyst  
TXO Partners, L.P. / MorningStar Operating LLC / Cross Timbers Energy, LLC  
Office 817.334.7882  
[cblaylock@txopartners.com](mailto:cblaylock@txopartners.com)

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**Assigned Operator:**  
**M&M Production & Operation Inc.**

**(MorningStar Operating, LLC created)**

Prepared by: B.Savage  
 Date: 05/23/2023  
 Final Bberry 10/23/2023

KB = 8'

GL = 7,409'

API# 30-039-05225

Spud Date: 07/21/1962  
 Date Completed: 08/20/1962

**Harrington #7**  
**Rio Arriba County, NM**

SE/4 Section 32 of 24N-1W

**Final P&A**

TD – 3,194'; PBTD – 3,182'

Surface Csg: 8-5/8" 24# CFI  
 Setting Depth: 98'

Cement  
 60sx Cement

Production Csg: 70 jts 4-1/2" 9.5# CFI  
 Setting Depth: 3,182'

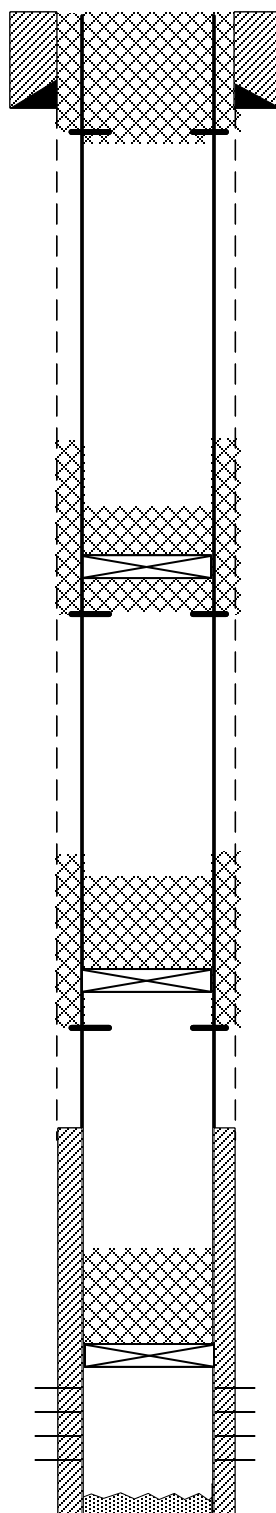
Cement:  
 100 sx cement  
 TOC unknown

Perforations:  
 3,117' – 3,139' w/ 2spf

8/15/1962 Frac:  
 30,000lbs and 36,788gal water  
 Avg Inj Rate = 40.4 gpm  
 Treating pressure = 1500-2050 psi

**Picture Cliffs Perfs (1962):**

Perfs 3,117' – 3139' (2spf)



**Plug 4 (surface shoe plug)**  
 Perfs @ 148' – establish circulation through BH - pump 90 sx cmt and circulate good cement to surface – cut off WH – cmt to surface both casings – install DHM – top off with 15 sx cmt

NMOCD Record or MSOgeology

|                  |                  |
|------------------|------------------|
| Nacimiento –     | x,xxx' or 1,500' |
| Ojo Alamo –      | 2,772' or 2,799' |
| Kirtland –       | 3,012' or x,xxx' |
| Fruitland –      | 3,078' or 3,012' |
| Picture Cliffs – | 3,113' or 3,112' |

**PLUG 3 (~ approx. Nacimiento ~)**  
 Perfs @ 1,530' - set CICR @ 1,490' – establish injection rate 1.5 bpm @ 950 psi pump 55 sx cmt – 43 sx cmt behind pipe, 3.5sx cmt below CICR, 8.5sx cmt on top (WOC - tag cmt top 1401' – tag witnessed by BLM rep) – Note: prior to completing this plug a retainer was prematurely set ~30' from surface – the retainer was drilled up, and the remaining bottom section of the retainer was effectively chased downhole and out of the way to ~1605'

**PLUG 2 (Ojo)**  
 Perfs @ 2,825' - set CICR @ 2,787' – attempt to establish injection below retainer – pressure out at 1100 psi – no break, no injection rate – spot 12sx cmt on top of retainer (WOC – tag 2610' – tag witnessed by BLM rep)

**Plug 1 (PC/FC/Kirtland) CICR Set @ 3,082' – attempt to establish inj below retainer, pressure out at 1000 psi – no inj rate established below retainer - spot 18sx cmt on top of retainer (WOC - tag TOC 2830' – Tag witnessed by BLM rep)**

PBTD: 3,182'

[illegible]

[illegible]

[illegible]



## CEMENT JOB DETAIL SHEET

Released to Imaging: 10/30/2023 9:55:40 AM





**Assigned Operator:**  
**M&M Production & Operation Inc.**

**(MorningStar Operating, LLC created)**

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**Rio Arriba County, NM**

SE/4 Section 32 of 24N-1W

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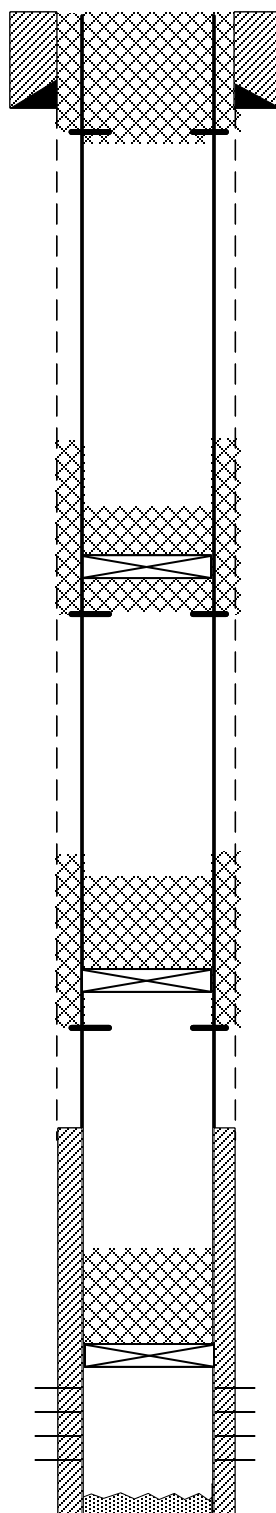
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**NMOCD Record or MSOgeology**

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| Picture Cliffs – | 3,113' or 3,112' |

PBTD: 3,182'

## CEMENT JOB DETAIL SHEET

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[illegible]

## CEMENT JOB DETAIL SHEET

CUSTOMER AUTHORIZING AGENT





## CEMENT JOB DETAIL SHEET

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**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

CONDITIONS  
  
Action 279757

CONDITIONS

|  |  |
|--|--|
| Operator:<br>MorningStar Operating LLC<br>400 W 7th St<br>Fort Worth, TX 76102 | OGRID:<br>330132                               |
|  | Action Number:<br>279757                       |
|  | Action Type:<br>[C-103] Sub. Plugging (C-103P) |

CONDITIONS

| Created By | Condition               | Condition Date |
|------------|-------------------------|----------------|
| mkuehling  | well plugged 10/18/2023 | 10/27/2023     |