U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

07/14/2023

Well Name: CARRACAS 14B

Well Location: T32N / R4W / SEC 15 / SWNE / 36.989239 / -107.239399

County or Parish/State: RIO ARRIBA / NM

Well Number: 2H

Type of Well: OTHER

Allottee or Tribe Name:

Lease Number: FEE

Unit or CA Name: 2H CARRACAS 14B - FRCL

Unit or CA Number: NMNM112654

US Well Number: 3003930962

Well Status: Gas Well Shut In

Operator: MORNINGSTAR OPERATING LLC

Notice of Intent

Sundry ID: 2740758

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 07/13/2023

Time Sundry Submitted: 09:05

Date proposed operation will begin: 08/31/2023

Procedure Description: MorningStar requests approval for the attached Plug and Abandon Procedure for the Carracas 14B 2H. Also attached are the WBDs and Reclamation Plan.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Reclamation_Plan___Carracas_14B__2H_20230713090359.pdf

Carracas_14B_2H_WBD_Current_and_Proposed_PA_20230713090348.pdf

Carracas_14B_2H_proposed_PA_procedure_20230713090334.pdf

Well Name: CARRACAS 14B

Well Location: T32N / R4W / SEC 15 / SWNE / 36.989239 / -107.239399

County or Parish/State: RIO ARRIBA / NM

Well Number: 2H

Type of Well: OTHER

Allottee or Tribe Name:

Lease Number: FEE

Unit or CA Name: 2H CARRACAS 14B - FRCL

Unit or CA Number: NMNM112654

US Well Number: 3003930962

Well Status: Gas Well Shut In

Operator: MORNINGSTAR OPERATING LLC

Conditions of Approval

Additional

2740758_NOI_PnA_Carracas_14B_2H_3003930962_MHK_07142023_20230714135026.pdf

General_Requirement_PxA_20230714131623.pdf

PxA_32N04W15GKkf_Carracas_14B_002H_20230714131205.pdf

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: CONNIE BLAYLOCK

Signed on: JUL 13, 2023 09:04 AM

Name: MORNINGSTAR OPERATING LLC

Title: Regulatory Technician

Street Address: 400 W 7th St.

City: Forth Worth **State:** TX

Phone: (817) 334-7882

Email address: CBLAYLOCK@MSPARTNERS.COM

Field

Representative Name: Amy Byars

Street Address:

City: **State:** **Zip:**

Phone:

Email address: abyars@txopartners.com

BLM Point of Contact

BLM POC Name: MATTHEW H KADE

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647736

BLM POC Email Address: MKADE@BLM.GOV

Disposition: Approved

Disposition Date: 07/14/2023

Signature: Matthew Kade

Proposed P&A Procedure

Carracas 14B-2H

Notify Farmington BLM Office at least 24hrs in advance to plugging operations 505 564-7750

1. MIRU
2. POOH w/ corod and pump. Pooh tbg.
3. Run a bit and csg scraper to 3,650' (~50' from fish top).
4. Set CICR @ 3,625'.
5. Plug 1 (Fruitland and lateral)
    a. Pump squeeze **82sx** Class G cement.
        i. Capacity below CICR and into sidetrack window.
    b. Spot **20sx** Class G cement on top of CICR.
        i. If squeeze below doesn't take at least 62sx, skip this step and just pull out of CICR and spot remaining initial squeeze volume on top of CICR.
        ii. Estimated TOC here ~ 3,520' or 105' above CICR.
6. Circulate hole with mud laden fluid.
7. Plug 2 (Kirtland and Ojo)
    a. Pump balanced plug **44sx** Class G cement.
        i. From 2721' – 2950'
8. Plug 3 (Nacimiento)
    a. Pump balanced plug **24sx** Class G cement.
        i. From 1450' – 1575'
9. Plug 4 (surface shoe circulation attempt)
    a. Perforate 255'.
    b. Attempt to establish circulation…
        i. if none, spot plug to surface in 7" estimated **50sx** needed.
        ii. If establish, estimated **89sx** required to fill annulus and 7".
    c. Ensure cement at surface on all strings of casing, top off as needed.
10. Cut off wellhead below surface casing flange.
11. Install P&A Marker.

Estimated 220 sx to 259 sx cement needed in total.

Please make sure all excess volumes are as follows:

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

Southland Royalty Company LLC

Prepared by: MStodola2
Date: 01/02/2018

KB = 13.5 ft
GL = 6,536 ft
API# 30-039-30962

Spud Date: 08/19/2011
First Delivered: 11/16/2011
Sidetrack: 05/05/2012
Sidetrack First Delivered: 07/20/2012

Carracas 14B-2H
Rio Arriba County, NM

Sec 15, 32N-4W

TD – 6,004' MD; 3,374' TVD
PBTD – 5,890'; 3,369' TVD

12 1/4" hole to 234'
Sfc Csg: 5 jts – 9 5/8" 32.3# H-40 ST&C
Setting Depth: 230 ft

Cement
125 sx Class G
circ. 10 bbls cmt to surface

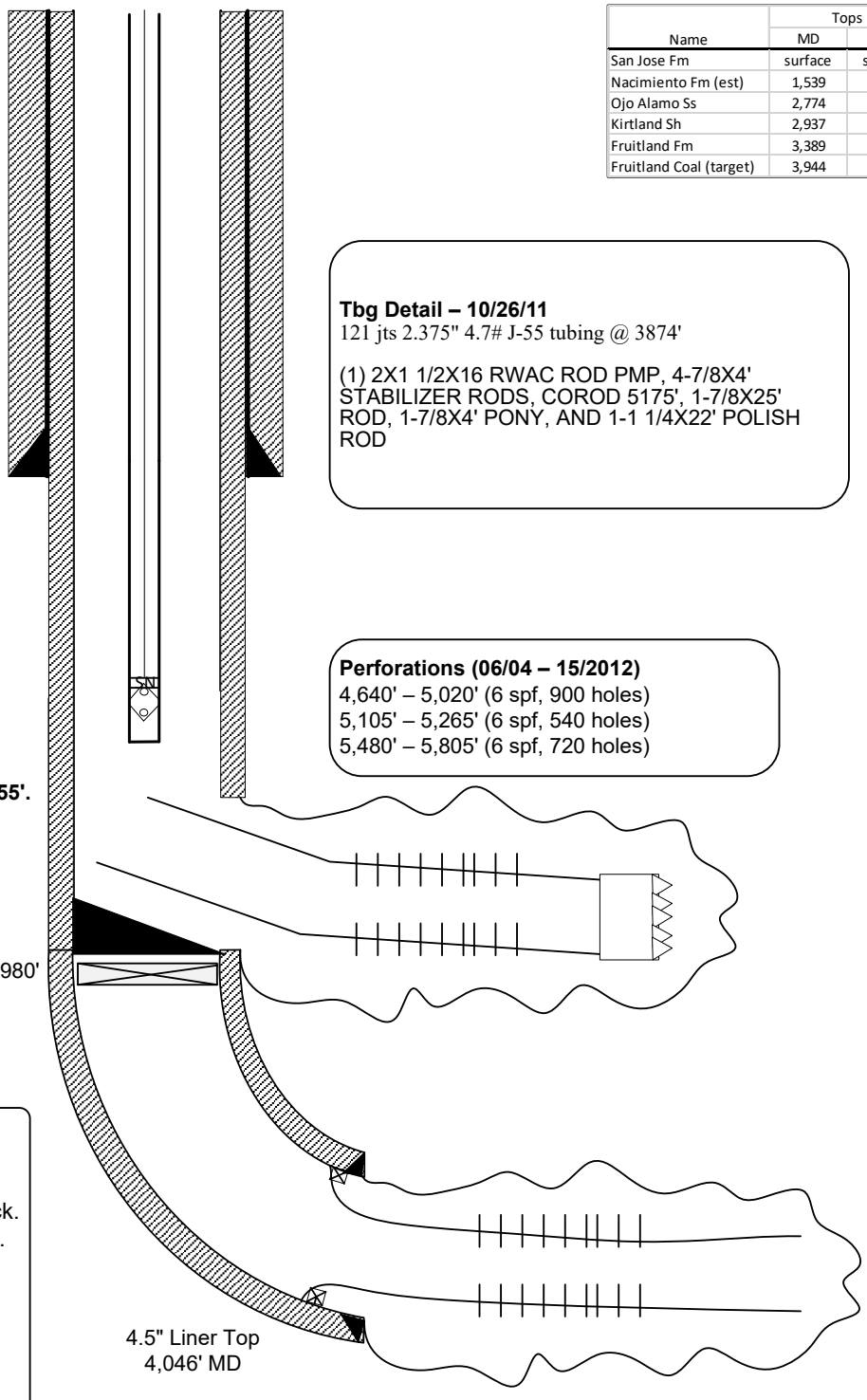
8 3/4" hole to 4126'
Int. Csg: 97 jts 7" 23# J-55 LT&C
Setting Depth: 4124 ft

Cement
480 sx 65/35
Tail: 150 sx Class G
circ. 5 bbls cmt to surface

6 ¼" hole to 4,551' *(09/01/2011)*
Liner: 12 jts 4.5", 11.6#, J-55 LTC
Setting Depth: 4,551'
Top of Liner: 4,046'
No Cement

6-¼" hole from Mill Window (3,972'-3,980')
Drill to 6,004' MD. Drilling BHA stuck.
Unsuccessful attempts to retrieve.
Drilling BHA Fish In Hole from 3,704' – 5,955'.
LINER: 4", 14#, S135 Drill Pipe w/ BHA

Name	Tops MD	Tops TVD
San Jose Fm	surface	surface
Nacimiento Fm (est)	1,539	1,539
Ojo Alamo Ss	2,774	2,739
Kirtland Sh	2,937	2,875
Fruitland Fm	3,389	3,180
Fruitland Coal (target)	3,944	3,354



Tbg Detail – 10/26/11
121 jts 2.375" 4.7# J-55 tubing @ 3874'

(1) 2X1 1/2X16 RWAC ROD PMP, 4-7/8X4' STABILIZER RODS, COROD 5175', 1-7/8X25' ROD, 1-7/8X4' PONY, AND 1-1 1/4X22' POLISH ROD

Perforations (06/04 – 15/2012)
4,640' – 5,020' (6 spf, 900 holes)
5,105' – 5,265' (6 spf, 540 holes)
5,480' – 5,805' (6 spf, 720 holes)

Perforations 09/2011
4,051' – 4,464' (413 holes, 1 spf)

Acidized w/ 1200 gals 15% HCL. Flow back.
Acidize w/ 1,176 gals 15% HCl. Flow back.

Re-Perforate (10/15/2011)
6 SPF, 360 holes
4,230' – 4,250'
4,354' – 4,374'
4,480' – 4,500

Acidized w/ 1500 gals 15% HCl.

MorningStar Operating, LLC

PROPOSED P&A

Prepared by MStodola2: 01/02/2018
B.Savage: 07/11/2023

KB = 13.5 ft
GL = 6,536 ft
API# 30-039-30962

Spud Date: 08/19/2011
First Delivered: 11/16/2011
Sidetrack: 05/05/2012
Sidetrack First Delivered: 07/20/2012
PROPOSED P&A: xx/xx/xxxx

Carracas 14B-2H
Rio Arriba County, NM
Sec 15, 32N-4W

TD – 6,004' MD; 3,374' TVD
PBTD – 5,890'; 3,369' TVD

12 1/4" hole to 234'
Sfc Csg: 5 jts – 9 5/8" 32.3# H-40 ST&C
Setting Depth: 230 ft

Cement
125 sx Class G
circ. 10 bbls cmt to surface

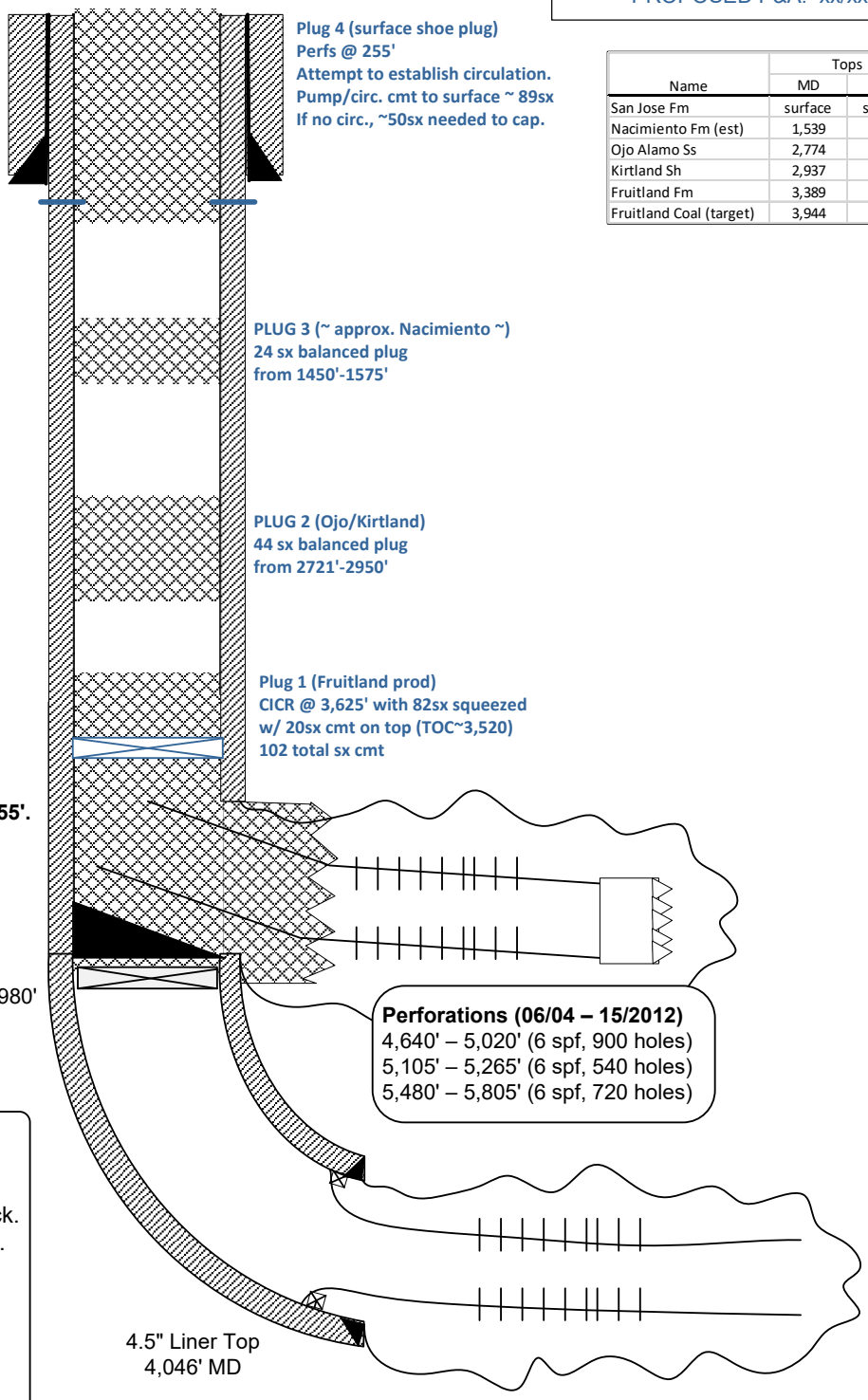
8 3/4" hole to 4126'
Int. Csg: 97 jts 7" 23# J-55 LT&C
Setting Depth: 4124 ft

Cement
480 sx 65/35
Tail: 150 sx Class G
circ. 5 bbls cmt to surface

6 ¼" hole to 4,551' *(09/01/2011)*
Liner: 12 jts 4.5", 11.6#, J-55 LTC
Setting Depth: 4,551'
Top of Liner: 4,046'
No Cement

6-¼" hole from Mill Window (3,972'-3,980')
Drill to 6,004' MD. Drilling BHA stuck.
Unsuccessful attempts to retrieve.
Drilling BHA Fish In Hole from 3,704' – 5,955'.
LINER: 4", 14#, S135 Drill Pipe w/ BHA

Name	Tops MD	Tops TVD
San Jose Fm	surface	surface
Nacimiento Fm (est)	1,539	1,539
Ojo Alamo Ss	2,774	2,739
Kirtland Sh	2,937	2,875
Fruitland Fm	3,389	3,180
Fruitland Coal (target)	3,944	3,354



Perforations 09/2011
4,051' – 4,464' (413 holes, 1 spf)

Acidized w/ 1200 gals 15% HCL. Flow back.
Acidize w/ 1,176 gals 15% HCl. Flow back.

Re-Perforate (10/15/2011)
6 SPF, 360 holes
4,230' – 4,250'
4,354' – 4,374'
4,480' – 4,500

Acidized w/ 1500 gals 15% HCl.

P&A RECLAMATION PLAN
Carracas 14B #2H
T32N R4W SEC. 15
36.98935°, -107.23933°
API: 30-039-30962

Final reclamation will be deferred due to the main lease road to access 17 other producing wells runs through the Carracas 14B #2H pad. Reclamation will be completed when the last well from the list below is plugged & abandoned.

- Carracas Unit #201
- Carracas 15B #14
- Carracas Unit FR #105
- Carracas 14B #10
- Carracas Unit FR #106
- Carracas Unit FR #107
- Carracas Unit FR #108
- Carracas Unit FR #109
- Carracas Unit 26B #7
- Carracas Unit PC #203
- Carracas Unit PC #202
- Carracas 11B #15
- Carracas 13B #11
- Carracas 13B #16H
- Carracas 24B #1
- Carracas 13B #7
- Carracas 13B #16

Proposed P&A Procedure (Updated)

Carracas 14B-2H

Notify Farmington BLM Office at least 24hrs in advance to plugging operations 505 564-7750

1. MIRU
2. POOH w/ corod and pump. Pooh tbg.
3. Run a bit and csg scraper to 3,650' (~50' from fish top).
4. Set CICR @ 3,625'.
5. Plug 1 (Fruitland and lateral)
    a. Pump squeeze **82sx** Class G cement.
        i. Capacity below CICR and into sidetrack window.
    b. Spot **55sx** Class G cement on top of CICR.
        i. If squeeze below doesn't take at least 27sx, skip this step and just pull out of CICR and spot remaining initial squeeze volume on top of CICR.
        ii. Estimated TOC here ~ 3,339' or 286' above CICR.
        iii. Fruitland formation top at 3389', we need 50' above that to have cmt 3339' per BLM COAs.
6. Circulate hole with mud laden fluid.
7. IF NECESSARY, RU and run CBL.
    a. Production casing and surface casing both had cement returns to surface during primary cementing activities.
    b. If required, run CBL and confirm with Farmington Office with CBL results.
8. Plug 2 (Kirtland and Ojo)
    a. Pump balanced plug **51sx** Class G cement.
        i. From 2724' – 2987'
9. Plug 3 (Nacimiento)
    a. Pump balanced plug **29sx** Class G cement.
        i. From 1400' – 1550'
10. Plug 4 (surface shoe circulation attempt)
    a. Perforate 255'.
    b. Attempt to establish circulation…
        i. if none, spot plug to surface in 7" estimated **50sx** needed.
        ii. If established, estimated **89sx** required to fill annulus and 7".

c. Ensure cement at surface on all strings of casing, top off as needed.

11. Cut off wellhead below surface casing flange.
12. Install P&A Marker.

Estimated 267 sx to 306 sx cement needed in total.

Please make sure all excess volumes are as follows:

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

Prepared by: MStodola2
Date: 01/02/2018

KB = 13.5 ft
GL = 6,536 ft
API# 30-039-30962

Spud Date: 08/19/2011
First Delivered: 11/16/2011
Sidetrack: 05/05/2012
Sidetrack First Delivered: 07/20/2012

Southland Royalty Company LLC

Carracas 14B-2H
Rio Arriba County, NM

Sec 15, 32N-4W

TD – 6,004' MD; 3,374' TVD
PBTD – 5,890'; 3,369' TVD

12 1/4" hole to 234'
Sfc Csg: 5 jts – 9 5/8" 32.3# H-40 ST&C
Setting Depth: 230 ft

Cement
125 sx Class G
circ. 10 bbls cmt to surface

8 3/4" hole to 4126'
Int. Csg: 97 jts 7" 23# J-55 LT&C
Setting Depth: 4124 ft

Cement
480 sx 65/35
Tail: 150 sx Class G
circ. 5 bbls cmt to surface

6 ¼" hole to 4,551' *(09/01/2011)*
Liner: 12 jts 4.5", 11.6#, J-55 LTC
Setting Depth: 4,551'
Top of Liner: 4,046'
No Cement

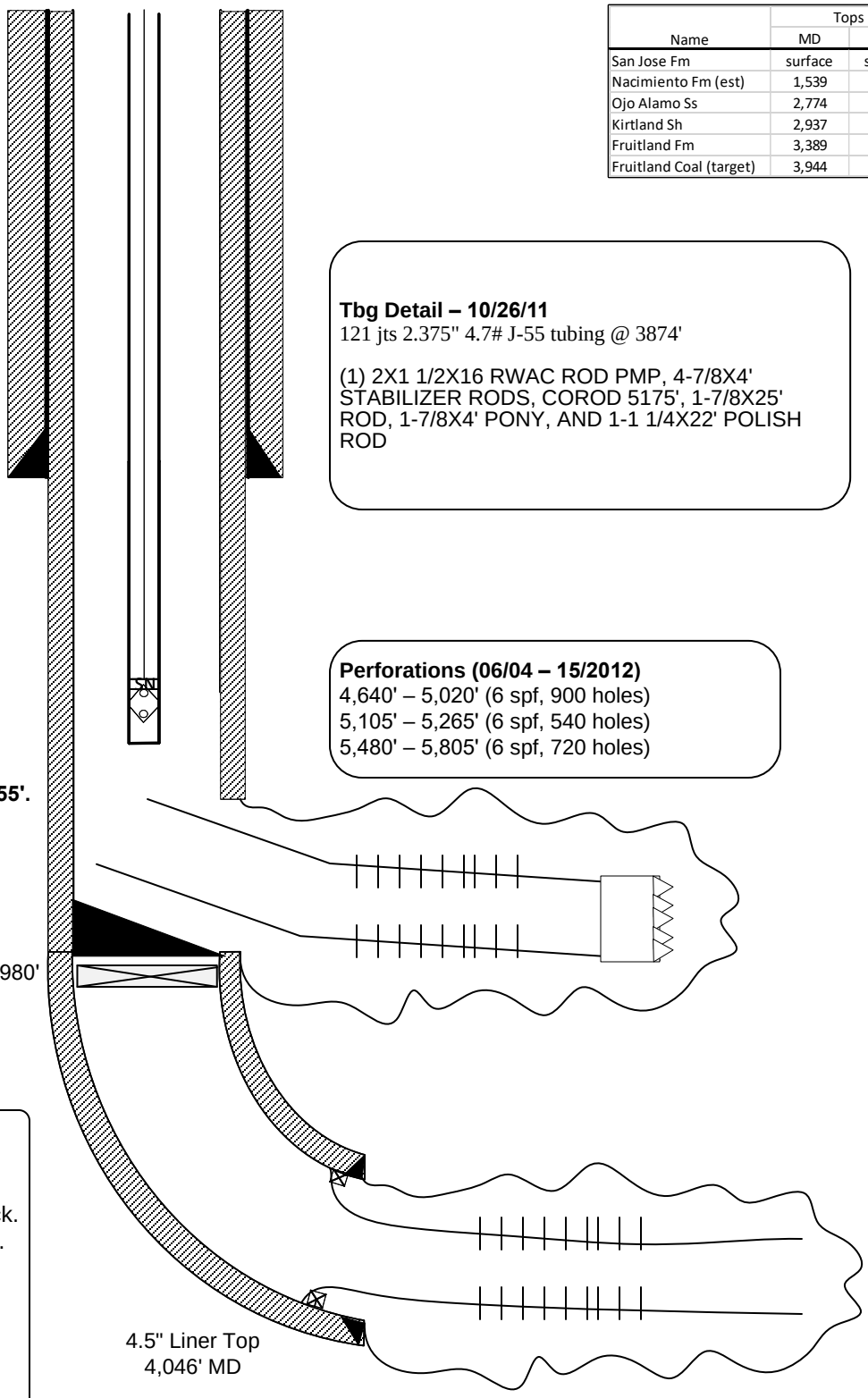
6-¼" hole from Mill Window (3,972'-3,980')
Drill to 6,004' MD. Drilling BHA stuck.
Unsuccessful attempts to retrieve.
Drilling BHA Fish In Hole from 3,704' – 5,955'.
LINER: 4", 14#, S135 Drill Pipe w/ BHA

Name	Tops MD	Tops TVD
San Jose Fm	surface	surface
Nacimiento Fm (est)	1,539	1,539
Ojo Alamo Ss	2,774	2,739
Kirtland Sh	2,937	2,875
Fruitland Fm	3,389	3,180
Fruitland Coal (target)	3,944	3,354

Tbg Detail – 10/26/11
121 jts 2.375" 4.7# J-55 tubing @ 3874'

(1) 2X1 1/2X16 RWAC ROD PMP, 4-7/8X4' STABILIZER RODS, COROD 5175', 1-7/8X25' ROD, 1-7/8X4' PONY, AND 1-1 1/4X22' POLISH ROD

Perforations (06/04 – 15/2012)
4,640' – 5,020' (6 spf, 900 holes)
5,105' – 5,265' (6 spf, 540 holes)
5,480' – 5,805' (6 spf, 720 holes)



05/05/2012
CIBP @3990'
Whipstock on top.
Mill Window: 3,972' – 3,980'

4.5" Liner Top
4,046' MD

Perforations 09/2011
4,051' – 4,464' (413 holes, 1 spf)

Acidized w/ 1200 gals 15% HCL. Flow back.
Acidize w/ 1,176 gals 15% HCl. Flow back.

Re-Perforate (10/15/2011)
6 SPF, 360 holes
4,230' – 4,250'
4,354' – 4,374'
4,480' – 4,500

Acidized w/ 1500 gals 15% HCl.

MorningStar Operating, LLC

PROPOSED P&A

Prepared by MStodola2: 01/02/2018
B.Savage/BBerry: 07/20/2023

KB = 13.5 ft
GL = 6,536 ft
API# 30-039-30962

Spud Date: 08/19/2011
First Delivered: 11/16/2011
Sidetrack: 05/05/2012
Sidetrack First Delivered: 07/20/2012
PROPOSED P&A: xx/xx/xxxx

Carracas 14B-2H
Rio Arriba County, NM
Sec 15, 32N-4W

TD – 6,004' MD; 3,374' TVD
PBTD – 5,890'; 3,369' TVD

12 1/4" hole to 234'
Sfc Csg: 5 jts – 9 5/8" 32.3# H-40 ST&C
Setting Depth: 230 ft

Cement
125 sx Class G
circ. 10 bbls cmt to surface

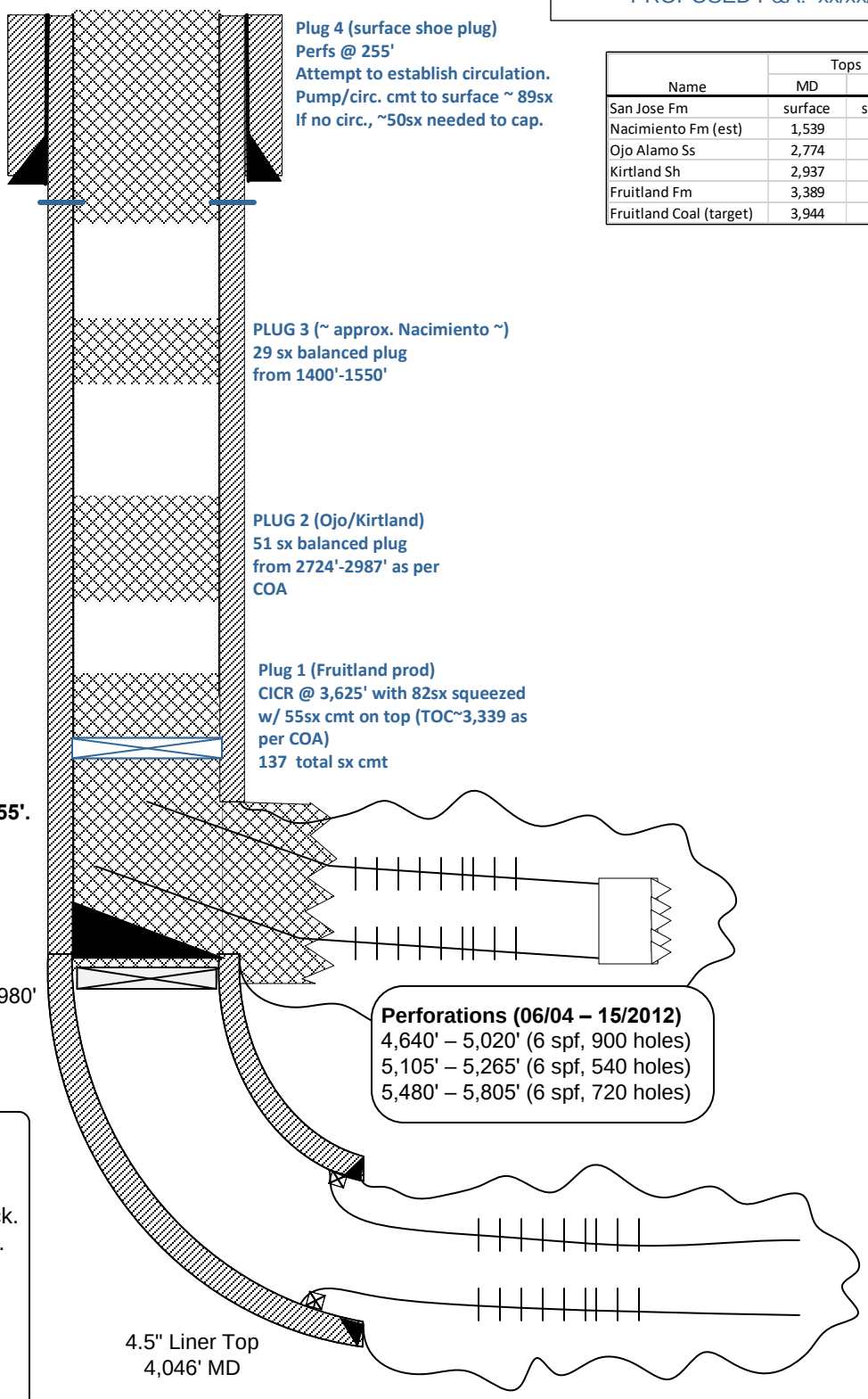
8 3/4" hole to 4126'
Int. Csg: 97 jts 7" 23# J-55 LT&C
Setting Depth: 4124 ft

Cement
480 sx 65/35
Tail: 150 sx Class G
circ. 5 bbls cmt to surface

6 ¼" hole to 4,551' *(09/01/2011)*
Liner: 12 jts 4.5", 11.6#, J-55 LTC
Setting Depth: 4,551'
Top of Liner: 4,046'
No Cement

6-¼" hole from Mill Window (3,972'-3,980')
Drill to 6,004' MD. Drilling BHA stuck.
Unsuccessful attempts to retrieve.
Drilling BHA Fish In Hole from 3,704' – 5,955'.
LINER: 4", 14#, S135 Drill Pipe w/ BHA

Name	Tops MD	Tops TVD
San Jose Fm	surface	surface
Nacimiento Fm (est)	1,539	1,539
Ojo Alamo Ss	2,774	2,739
Kirtland Sh	2,937	2,875
Fruitland Fm	3,389	3,180
Fruitland Coal (target)	3,944	3,354



Perforations 09/2011
4,051' – 4,464' (413 holes, 1 spf)

Acidized w/ 1200 gals 15% HCL. Flow back.
Acidize w/ 1,176 gals 15% HCl. Flow back.

Re-Perforate (10/15/2011)
6 SPF, 360 holes
4,230' – 4,250'
4,354' – 4,374'
4,480' – 4,500

Acidized w/ 1500 gals 15% HCl.

BLM FFO Fluid Minerals
P&A Geologic Report

AFMSS ID: 2740758 **Date Completed:** 7/14/2023

Well No.	Carracas 14B #002H		SHL	1702	FNL	1865	FEL
API No.	3003930962			Unit G	Sec. 15	T32N	R04W
Lease No.	NMNM11654 (Fed unit, Fee lease)		BHL	2621	FNL	120	FEL
Operator	Morningstar Operating, LLC			Unit G	Sec. 15	T32N	R04W
Elev. (KB)	6540						
TVD	3374	PBTD 3369	County	Rio Arriba		State	NM
MD	6004	PBMD 5890	Formation	Fruitland Coal			

Formation Top	MD (ft KB)	Remarks
San Jose Fm.	Surface	Surface/freshwater sands
Nacimiento Fm.	1492	Water
Ojo Alamo Ss	2774	Water
Kirtland Fm.	2937	Water/possible gas
Fruitland Fm.	3389	Coal/gas/water
Pictured Cliffs Ss		Possible gas
Lewis Shale		
Chacra		
Cliff House Ss		
Menefee Fm.		
Point Lookout Fm.		
Mancos Shale		
Gallup		
Greenhorn Ls		
Graneros Shale		
Dakota Ss		
Morrison Fm.		

Remarks:

- Fruitland Coal dual lateral. Lower lateral/perfs isolated by existing CIBP @ 3990'.

- Fish (drill string/BHA) @ 3704'. Upper lateral perfed through drill string 4640' - 5805'.

- Bring the top of Plug #1 (Fruitland/perfs) up to cover 50' above Fruitland formation top @ 3389' in addition to the perfs.

- Ensure bottom of Plug #2 (Kirtland/Ojo) is at least 50' below the Kirtland formation top @ 2937'.

- Adjust Plug #3 (Nacimiento) to cover BLM formation top pick @ 1492'.

Reference Well:

1) Formation Tops
Same

Prepared by: Chris Wenman

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

AFMSS 2 Sundry ID 2740758

Attachment to Notice of Intention to Plug and Abandon

Well: Carracas 14B 2H (API#30-039-30962)

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. The following modification to your plugging program is made:

   a. Adjust Plug #1 (Fruitland/perfs) – Bring the top of plug up to cover 50' above Fruitland formation top @ 3389' in addition to perfs. Estimated 55 sx cement on top of CICR (3339' – 3625').

   b. Ensure bottom of Plug #2 (Kirtland/Ojo) is at least 50' below the Kirtland formation top @ 2937' (Minimum 2724' – 2987').

   c. Adjust Plug #3 (Nacimiento) to cover BLM formation top pick @ 1492' (Minimum 1442' – 1542').

3. **NOTIFICATION:** Farmington Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.

4. **Deadline of Completion of Operations:** Complete the plugging operation within one year from the approval date of the Notice of Intent to Plug and Abandon. If unable to meet deadline, notify the Bureau of Land Management's Farmington Field Office prior to the deadline via Sundry Notice (Form 3160-5) Notice of Intent detailing the reason for the delay and the date the well is to be plugged.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

M. Kade (mkade@blm.gov/505-564-7736) 7/14/2023

GENERAL REQUIREMENTS FOR PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES FARMINGTON FIELD OFFICE

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densometer/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

4.6 **A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.**

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.

5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.

5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.

5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required 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. Short or long term venting may be necessary to evacuate trapped gas. If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.

6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H_2S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), through the Automated Fluid Minerals Support System (AFMSS) with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d) and 43 CFR 3172.12(a)(10). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

From: Kade, Matthew H <mkade@blm.gov>
Sent: Tuesday, July 18, 2023 8:34 AM
To: Connie Blaylock <cblaylock@txopartners.com>
Cc: Brodie Savage <bsavage@txopartners.com>; Rennick, Kenneth G <krennick@blm.gov>
Subject: EXTERNAL:Re: [EXTERNAL] Question Re COA for P&A of Carracas 14B2H

Good morning,

You are correct, a CBL is not required by the BLM for this P&A. The BLM is not going to make MorningStar Operating run a CBL since cement circulated to surface on all casing strings that reach surface. I would expect that MorningStar will have to top off the cement outside the surface and intermediate casings with a sack or two, but there is no reason to believe that cement fell to below the surface casing shoe.

If there is anything else, please let me know. Thanks!

Respectfully,
Matthew Kade
Petroleum Engineer
BLM - Farmington Field Office
6251 College Blvd
Farmington, NM 87402
Office: (505) 564-7736

From: Connie Blaylock <cblaylock@txopartners.com>
Sent: Tuesday, July 18, 2023 7:12 AM
To: Kade, Matthew H <mkade@blm.gov>
Cc: Brodie Savage <bsavage@txopartners.com>
Subject: [EXTERNAL] Question Re COA for P&A of Carracas 14B2H

Hi Matthew,
Regarding the General COA for plugging the Carracas 14B2H, we have not found a CBL in our files for the Carracas 14B2H.

4.6 **A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.**

However, cement was circulated to surface during the original casing job.
Just to be sure, can you please verify that a CBL is not required for this P&A?

Thank you,
Connie

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

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 242481

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 242481
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	Accepted for record - NMOCD JRH 7/25/23. BLM approved P&A 7/14/23	7/25/2023