

Submit 1 Copy To Appropriate District 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

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.)		WELL API NO. 30-025-46269
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Matador Production Company		6. State Oil & Gas Lease No.
3. Address of Operator 5400 LBJ Freeway Ste 1500 Dallas, TX 75240		7. Lease Name or Unit Agreement Name NORTHEAST KEMNITZ UNIT
4. Well Location Unit Letter <u>O</u> : <u>155</u> feet from the <u>SOUTH</u> line and <u>2209</u> feet from the <u>EAST</u> line Section <u>22</u> <u>16S</u> Township <u>34E</u> Range <u>NMPM</u> County <u>LEA</u>		8. Well Number <u>013</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4083 GR		9. OGRID Number 228937
		10. Pool name or Wildcat KEMNITZ; LOWER WOLFCAMP

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	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.

1. Notify NMOCD 24 hrs before MIRU.
2. Safety mtg. MIRU, check pressures, ND wellhead, NU BOPs & POOH w/ rods and tbg.
3. Set CIBP @ 10,800' (MD). Pressure test csg to 500 psi for 30 minutes. Circ. and displace hole w/ MLF.
4. TIH & spot 110 sks Cl H cmt on top of CIBP. WOC & Tag. (Isolate perfs)
5. Spot a 25 sk Cl H cmt balanced plug at 8,200'. (Abo formation)
6. Spot a 50 sk Cl C cmt balanced plug at 6,170'. (Glorietta formation)
7. Spot a 25 sk Cl C cmt balanced plug at 2,915'. (Yates formation)
8. Perf @ 1,720' & sqz 40 sks Cl C cmt. WOC & Tag. (Intermediate shoe)
9. Spot Class C cmt from 300' to surface.
10. Cut off wellhead and ensure cmt to surface on all csg strings.
11. Install dry hole marker per NMOCD specifications.

*Current and proposed wellbore diagrams attached

**Mud laden fluid (MLF) mixed at 25sx/100 bbls water will be spotted between each plug.

Adhere to NMOCD
COAs attached.

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 Brett Jennings TITLE Regulatory Analyst DATE 05/25/23

Type or print name Brett Jennings E-mail address: Brett.Jennings@matadorresources.com PHONE: 972-629-2160

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Specialist DATE 07/03/2023

Conditions of Approval (if any): [Signature]

CONDITIONS FOR PLUGGING AND ABANDONMENT

OCD - Southern District

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, **Notify NMOCD District Office II at (575)-748-1283 at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down. Company representative will be on location during plugging procedures.**

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal – commercial or private – shall have an approved NMOCD 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 as well as the 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 NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
8. Produced water **will not** be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
11. Class 'C' cement will be used above 7500 feet.
12. Class 'H' cement will be used below 7500 feet.
13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.

16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).
19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
 - A) Fusselman
 - B) Devonian
 - C) Morrow
 - D) Wolfcamp
 - E) Bone Springs
 - F) Delaware
 - G) Any salt sections
 - H) Abo
 - I) Glorieta
 - J) Yates.
 - K) Cherry Canyon - Eddy County
 - L) Potash---(In the R-111-P Area (Page 3 & 4), 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, WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing

DRY HOLE MARKER REQUIREMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name 2. Lease and Well Number 3.API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. County (SPECIAL CASES)-----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, 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 NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION

R-111-P Area

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

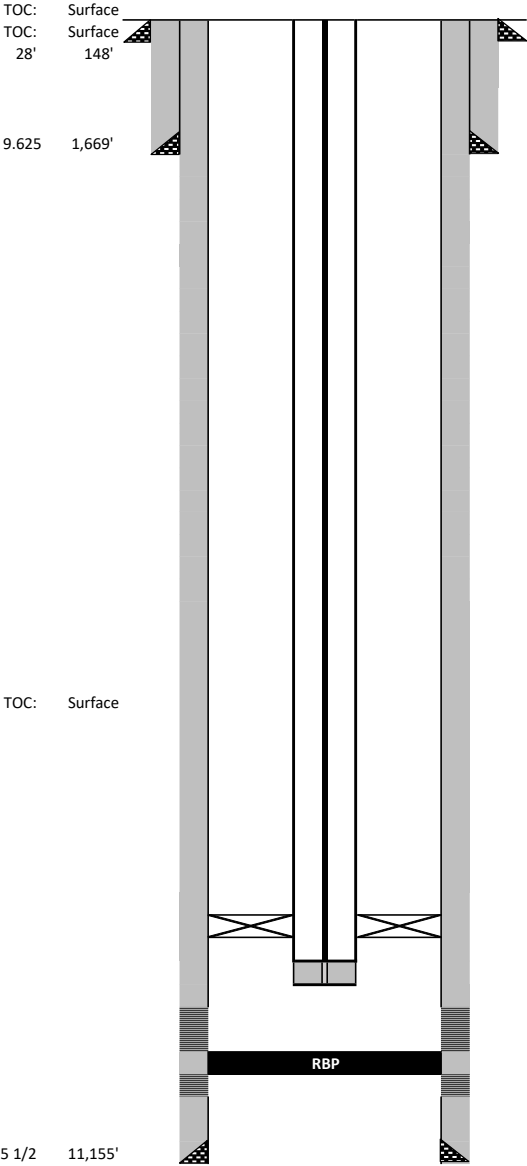
Sec 1 Unit C,D,E,F. Sec 2 Unit A – H.

1. Notify NMOCD 24 hrs before MIRU.
2. Safety mtg, MIRU, check pressures, ND wellhead, NU BOPs & POOH w/ rods and tbg.
3. Set CIBP @ 10,800' (MD). Pressure test csg to 500 psi for 30 minutes. Circ. and displace hole w/ MLF.
4. TIH & spot 110 sks CI H cmt on top of CIBP. WOC & Tag. (Isolate perfs)
5. Spot a 25 sk CI H cmt balanced plug at 8,200'. (Abo formation)
6. Spot a 50 sk CI C cmt balanced plug at 6,170'. (Glorietta formation)
7. Spot a 25 sk CI C cmt balanced plug at 2,915'. (Yates formation)
8. Perf @ 1,720' & sqz 40 sks CI C cmt. WOC & Tag. (Intermediate shoe)
9. Spot Class C cmt from 300' to surface.
10. Cut off wellhead and ensure cmt to surface on all csg strings.
11. Install dry hole marker per NMOCD specifications.

*Current and proposed wellbore diagrams attached

**Mud laden fluid (MLF) mixed at 25sx/100 bbls water will be spotted between each plug.

**Northeast Kemnitz Unit #013
& 2209' FEL Unit O Sec. 22-T16S-R34E
Lea County, NM
API: 30-025-46269
CURRENT WELLBORE SCHEMATIC
Spudded: 8/15/2019**



	Casing Information					
	Hole Size	Casing Size	Type	Weight (lb/ft)	Joints	Depth Set
Conductor		20	H-40	121		148
Surface	17 1/2	9 5/8	J-55	40#		1,669
Production	8 3/4	5 1/2	P-110	20#		11,155
DV Tool						

	Cementing Record		
	Type	TOC	Date Run
Surface	450 sks 14.8 ppg Class C	28'	
Intermediate	1,881 sks Class C	Surface	
Production	2,588 sks Class C	Surface	

Geologic Markers MD	
Rustler	
Salt	
Yates	2,862
7 Rivers	3,171
Queen	3,790
Penrose	
Grayburg	
San Andres	4,585
Delaware Sand	
Bone Spring	
1st Bone Spring	
2nd Bone Spring	
3rd Bone Spring	
Wolf Camp	9,998
Strawn	
Atoka	
Middle Morrow	
Lower Morrow	

	Perforation Information			
Date	Formation	Depth	Squeezed	Cement
10/11/2019	Wolfcamp D	10,855'- 10,867'		
10/11/2019	Wolfcamp D	10,884'-10,911'		
10/11/2019	Wolfcamp D	10,929'-10,940'		

	Plugging Information	
Date	Type	Depth
4/7/2020	RBP	10,918'

Northeast Kemnitz Unit #013
155' FSL & 2209' FEL Unit O Sec. 22-T16S-R34E
Lea County, NM
API: 30-025-46269
CURRENT WELLBORE SCHEMATIC
Spudded: 8/15/2019

TOC: Surface
TOC: Surface 28'
9,625'
11,155'

Marker @ Surface
Class C cmt to Surface
40 sks Class C
25 sks Class C
50 sks Class C
25 sks Class H
110 sks Class H
CIBP
RBP

300': Spot Class C cmt to surface (Est. 30 sks)
1,720': Perf & Sqz 40 sks Class C cmt (Req. 1,619') (Intermediate Shoe)
(Spot 25 sks Class C cmt Balanced Plug @ 1,790' if no injection is established)
2,915': Spot 25 sks Class C cmt (Yates)
6,170': Spot 50 sks Class C cmt (Req. 6,067') (Glorietta)
8,200': Spot 25 sks Class H cmt (Req. 8,091') (Abo)
10,800': Set CIBP @ Spot 110 sks Class H cmt (Est. 9,864' / Req. 9,948') (Open Perforations)

Wellbore	Date	Interval
Wolfcamp D	10/11/2019	10,855'-10,867'
Wolfcamp D	10/11/2019	10,884'-10,911'
RBP	4/7/2020	10,918'
Wolfcamp D	10/11/2019	10,929'-10,940'

	Casing Information					
	Hole Size	Casing Size	Type	Weight (lb/ft)	Joints	Depth Set
Conductor		20	H-40	121		148
Surface	17 1/2	9 5/8	J-55	40#		1,669
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DV Tool						

	Cementing Record			Geologic Markers MD	
	Type	TOC	Date Run		
Surface	450 sks 14.8 ppg Class C	28'		Rustler	
Intermediate	1,881 sks Class C	Surface		Salt	
Production	2,588 sks Class C	Surface		Yates	2,862
				7 Rivers	3,171
				Queen	3,790
				Glorietta	
				San Andres	4,585
				Glorietta	6,117
				Abo	8,141
				Bone Spring	
				1st Bone Spring	
				2nd Bone Spring	
				3rd Bone Spring	
				Wolf Camp	9,998
				Strawn	
				Atoka	
				Middle Morrow	
				Lower Morrow	

	Perforation Information			
Date	Formation	Depth	Squeezed	Cement
10/11/2019	Wolfcamp D	10,855'- 10,867'		
10/11/2019	Wolfcamp D	10,884'-10,911'		
10/11/2019	Wolfcamp D	10,929'-10,940'		

	Plugging Information	
Date	Type	Depth
4/7/2020	RBP	10,918'

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 234355

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 234355
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	None	7/3/2023