

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.Lease Serial No.
NMNM114979

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

SEP 11 2018

7. If Unit or CA/Agreement, Name and/or No.
NMNM137096X8. Well Name and No.
Multiple--See Attached9. API Well No.
Multiple--See Attached10. Field and Pool or Exploratory Area
MESA VERDE-BONE SPRING

11. County 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 checked="" 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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Surface Commingling
	<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 recompleat 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 performed 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 recompleat 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 determined that the site is ready for final inspection.

OXY USA INC requests approval of a pool commingle at the Mesa Verde Unit Battery. The wells feeding the battery are listed below.

ORIGINAL WELL NAME & NO. / UNIT WELL NAME & NO. / API NO.
MESA VERDE 17_8 FEDERAL COM 24H/ MESA VERDE UNIT 1H/ 30-025-44195*
MESA VERDE 17_8 FEDERAL COM 73H/ MESA VERDE BS UNIT 2H/ 30-025-44196
MESA VERDE 17_8 FEDERAL COM 43H/ MESA VERDE BS UNIT 3H/ 30-025-44183
MESA VERDE 17_8 FEDERAL COM 6H/ MESA VERDE BS UNIT 4H/ 30-025-44064
MESA VERDE 17_8 FEDERAL COM 5H/ MESA VERDE BS UNIT 5H/ 30-025-44185
MESA VERDE 17_8 FEDERAL COM 4H/ MESA VERDE BS UNIT 6H/ 30-025-44042
MESA VERDE 17_8 FEDERAL COM 3H/ MESA VERDE BS UNIT 7H/ 30-025-44065
MESA VERDE 17_8 FEDERAL COM 2H/ MESA VERDE BS UNIT 8H/ 30-025-44184

RECEIVED

SEP 06 2018

DISTRICT II-ARTESIA O.C.D.

Also SEE EC 410392 LEA County

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #410381 verified by the BLM Well Information System

For OXY USA INCORPORATED, sent to the Carlsbad

Committed to AFMSS for processing by DUNCAN WHITLOCK on 04/06/2018 (18DW0122SE)

Name (Printed/Typed) SANDRA MUSALLAM

Title REGULATORY ENGINEER

Signature (Electronic Submission)

Date 04/04/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

TLPE7

Date

8/21/2018

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

CFO

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)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Additional data for EC transaction #410381 that would not fit on the form

Wells/Facilities, continued

Agreement	Lease	Well/Fac Name, Number	API Number	Location
NMNM137096X	NMNM114979	MESA VERDE BS UNIT 21	30-015-44546-00-X1	Sec 13 T24S R31E SWSW 170FSL 848FWL 32.210587 N Lat, 103.737320 W Lon
NMNM137096X	NMNM114979	MESA VERDE BS UNIT 16	30-015-44551-00-X1	Sec 13 T24S R31E SESE 170FSL 855FEL 32.210583 N Lat, 103.725746 W Lon
NMNM137096X	NMNM114979	MESA VERDE BS UNIT 17	30-015-44550-00-X1	Sec 13 T24S R31E SESE 170FSL 885FEL 32.210583 N Lat, 103.725838 W Lon
NMNM137096X	NMNM114979	MESA VERDE BS UNIT 18	30-015-44549-00-X1	Sec 13 T24S R31E SWSE 170FSL 2631FEL 32.210583 N Lat, 103.731483 W Lon
NMNM137096X	NMNM114979	MESA VERDE BS UNIT 19	30-015-44548-00-X1	Sec 13 T24S R31E SESW 170FSL 2623FWL 32.210583 N Lat, 103.731583 W Lon
NMNM137096X	NMNM114979	MESA VERDE BS UNIT 20	30-015-44547-00-X1	Sec 13 T24S R31E SWSW 170FSL 878FWL 32.210587 N Lat, 103.737221 W Lon

32. Additional remarks, continued

MESA VERDE 17_8 FEDERAL COM 1H/ MESA VERDE BS UNIT 9H/ 30-025-44194
MESA VERDE 18_7 FEDERAL COM 6H/ MESA VERDE BS UNIT 10H/ 30-025-44188
MESA VERDE 18_7 FEDERAL COM 5H/ MESA VERDE BS UNIT 11H/ 30-025-44187
MESA VERDE 18_7 FEDERAL COM 4H/ MESA VERDE BS UNIT 12H/ 30-025-44186
MESA VERDE 18 FEDERAL COM 3H/ MESA VERDE BS UNIT 13H/ 30-025-44192
MESA VERDE 18 FEDERAL COM 2H/ MESA VERDE BS UNIT 14H/ 30-025-44191
MESA VERDE 18 FEDERAL COM 1H/ MESA VERDE BS UNIT 15H/ 30-025-44190
MESA VERDE 13 FEDERAL 6H/ MESA VERDE BS UNIT 16H/ 30-015-44551
MESA VERDE 13 FEDERAL 5H/ MESA VERDE BS UNIT 17H/ 30-015-44550
MESA VERDE 13 FEDERAL 4H/ MESA VERDE BS UNIT 18H/ 30-015-44549
MESA VERDE 13 FEDERAL 3H/ MESA VERDE BS UNIT 19H/ 30-015-44548
MESA VERDE 13 FEDERAL 2H/ MESA VERDE BS UNIT 20H/ 30-015-44547
MESA VERDE 13 FEDERAL 1H/ MESA VERDE BS UNIT 21H/ 30-015-44546
MESA VERDE 16_9 FEDERAL COM 3H/ MESA VERDE BS UNIT 22H/ 30-025-44559
MESA VERDE 16_9 FEDERAL COM 2H/ MESA VERDE BS UNIT 23H/ 30-025-44560
MESA VERDE 16_9 FEDERAL COM 1H/ MESA VERDE BS UNIT 24H/ 30-025-44561
MESA VERDE 17_8 FEDERAL COM 14H/ MESA VERDE WC UNIT 1H/ 30-025-44101*

*Target pools will be swapped for these wells due to drilling difficulties. Sundries will be filed to reflect this change

The working interest, royalty interest and overriding royalty interest owners are identical for the Bone Spring and Wolfcamp units, so notice was not required.

Production is sent through two 10" X 40" three-phase production separators. Oil production flows through four 8" X 20" heater treaters, then is sent to four vapor recovery towers. It then flows to twelve oil storage tanks before being pumped through eight LACT meters S/N*(FMPs located at Lat 32.211929 Long -103.708997) and sent to the oil sales line. Gas production will be sent from the separators to two gas scrubbers. It will then flow through an Oxy check meter S/N*(Lat 32.211929 Long -103.708997), which will serve as the gas FMP for the purpose of royalty payment, then sent to sales.

The flow of production is shown in detail on the enclosed facility diagram. Also enclosed is a map detailing the lease and unit boundaries, well and battery locations.

~~OXY USA INC requests the option to add wells associated to Bone Spring Unit NM137096X and Wolfcamp Unit NM137096X within the Unit boundary, outlined in Order No. R-14494 and R-14500.~~

SEE COAs

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.
Multiple--See Attached

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
Multiple--See Attached8. Well Name and No.
Multiple--See Attached9. API Well No.
Multiple--See Attached10. Field and Pool or Exploratory Area
Multiple--See Attached

11. County or Parish, State

LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
OXY USA INCORPORATEDContact: SANDRA MUSALLAM
E-Mail: SANDRA_MUSALLAM@OXY.COM3a. Address
P O BOX 4294
HOUSTON, TX 77210-42943b. Phone No. (include area code)
Ph: 713-366-5106

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Multiple--See Attached

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

TYPE OF SUBMISSION

- ☒
- Notice of Intent
-
- ☐
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
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MESA VERDE 17_8 FEDERAL COM 6H/ MESA VERDE BS UNIT 4H/ 30-025-44064
MESA VERDE 17_8 FEDERAL COM 5H/ MESA VERDE BS UNIT 5H/ 30-025-44185
MESA VERDE 17_8 FEDERAL COM 4H/ MESA VERDE BS UNIT 6H/ 30-025-44042
MESA VERDE 17_8 FEDERAL COM 3H/ MESA VERDE BS UNIT 7H/ 30-025-44065
MESA VERDE 17_8 FEDERAL COM 2H/ MESA VERDE BS UNIT 8H/ 30-025-44184

RECEIVED

SEP 06 2018

DISTRICT II-ARTESIA O.C.D.

ALSO SEE EC 410381 Eddy County

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #410392 verified by the BLM Well Information System

For OXY USA INCORPORATED, sent to the Hobbs

Committed to AFMSS for processing by DUNCAN WHITLOCK on 04/06/2018 (18DW0121SE)

Name (Printed/Typed) SANDRA MUSALLAM

Title REGULATORY ENGINEER

Signature (Electronic Submission)

Date 04/04/2018

THIS 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

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(Instructions on page 2)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Additional data for EC transaction #410392 that would not fit on the form

5. Lease Serial No., continued

NMNM55953
NMNM66925

7. If Unit or CA/Agreement, Name and No., continued

NMNM137096X
NMNM137099X

Wells/Facilities, continued

Agreement	Lease	Well/Fac Name, Number	API Number	Location
NMNM137096X	NMNM66925	MESA VERDE BS UNIT 6	30-025-44042-00-X1	Sec 17 T24S R32E SWSE 280FSL 2624FEL 32.210987 N Lat, 103.696671 W Lon
NMNM137096X	NMNM66925	MESA VERDE BS UNIT 2	30-025-44196-00-X1	Sec 17 T24S R32E SWSE 240FSL 1614FEL 32.210892 N Lat, 103.693405 W Lon
NMNM137096X	NMNM66925	MESA VERDE BS UNIT 1	30-025-44195-00-X1	Sec 17 T24S R32E SESE 241FSL 245FEL 32.210918 N Lat, 103.688980 W Lon
NMNM137096X	NMNM66925	MESA VERDE BS UNIT 10	30-025-44188-00-X1	Sec 18 T24S R32E SESE 420FSL 1040FEL 32.211315 N Lat, 103.708656 W Lon
NMNM137096X	NMNM66925	MESA VERDE BS UNIT 11	30-025-44187-00-X1	Sec 18 T24S R32E SESE 420FSL 1070FEL 32.211315 N Lat, 103.708748 W Lon
NMNM137096X	NMNM66925	MESA VERDE BS UNIT 12	30-025-44186-00-X1	Sec 18 T24S R32E SESW 280FSL 2563FWL 32.210911 N Lat, 103.714691 W Lon
NMNM137096X	NMNM66925	MESA VERDE BS UNIT 13	30-025-44192-00-X1	Sec 18 T24S R32E SESW 280FSL 2533FWL 32.210911 N Lat, 103.714790 W Lon
NMNM137096X	NMNM66925	MESA VERDE BS UNIT 14	30-025-44191-00-X1	Sec 18 T24S R32E 310FSL 1078FWL 32.210979 N Lat, 103.719498 W Lon
NMNM137096X	NMNM66925	MESA VERDE BS UNIT 15	30-025-44190-00-X1	Sec 18 T24S R32E 280FSL 1078FWL 32.210896 N Lat, 103.719498 W Lon
NMNM137096X	NMNM55953	MESA VERDE BS UNIT 22H	30-025-44559-00-X1	Sec 16 T24S R32E SWSW 250FSL 1285FWL 32.210953 N Lat, 103.684036 W Lon
NMNM137096X	NMNM55953	MESA VERDE BS UNIT 23H	30-025-44560-00-X1	Sec 16 T24S R32E SWSW 250FSL 1255FWL 32.210953 N Lat, 103.684128 W Lon
NMNM137096X	NMNM55953	MESA VERDE BS UNIT 24H	30-025-44561-00-X1	Sec 16 T24S R32E SWSW 250FSL 1225FWL 32.210953 N Lat, 103.684227 W Lon
NMNM137096X	NMNM66925	MESA VERDE BS UNIT 3	30-025-44183-00-X1	Sec 17 T24S R32E SWSE 240FSL 1644FEL 32.210892 N Lat, 103.693504 W Lon
NMNM137096X	NMNM66925	MESA VERDE BS UNIT 4	30-025-44064-00-X1	Sec 17 T24S R32E SESE 280FSL 965FEL 32.211014 N Lat, 103.691307 W Lon
NMNM137096X	NMNM66925	MESA VERDE BS UNIT 5	30-025-44185-00-X1	Sec 17 T24S R32E SESE 280FSL 995FEL 32.211014 N Lat, 103.691406 W Lon
NMNM137096X	NMNM66925	MESA VERDE BS UNIT 7	30-025-44065-00-X1	Sec 17 T24S R32E SESW 280FSL 2626FWL 32.210987 N Lat, 103.696800 W Lon
NMNM137096X	NMNM66925	MESA VERDE BS UNIT 8	30-025-44184-00-X1	Sec 17 T24S R32E SWSW 280FSL 1146FWL 32.210960 N Lat, 103.701584 W Lon
NMNM137096X	NMNM66925	MESA VERDE BS UNIT 9	30-025-44194-00-X1	Sec 17 T24S R32E SWSW 280FSL 1116FWL 32.210960 N Lat, 103.701683 W Lon
NMNM137099X	NMNM66925	MESA VERDE WC UNIT 1	30-025-44101-00-X1	Sec 17 T24S R32E SESE 271FSL 245FEL 32.210999 N Lat, 103.688980 W Lon

10. Field and Pool, continued

WILDCAT;WOLFCAMP

32. Additional remarks, continued

MESA VERDE 17_8 FEDERAL COM 1H/ MESA VERDE BS UNIT 9H/ 30-025-44194
MESA VERDE 18_7 FEDERAL COM 6H/ MESA VERDE BS UNIT 10H/ 30-025-44188
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MESA VERDE 18 FEDERAL COM 2H/ MESA VERDE BS UNIT 14H/ 30-025-44191
MESA VERDE 18 FEDERAL COM 1H/ MESA VERDE BS UNIT 15H/ 30-025-44190
MESA VERDE 13 FEDERAL 6H/ MESA VERDE BS UNIT 16H/ 30-015-44551
MESA VERDE 13 FEDERAL 5H/ MESA VERDE BS UNIT 17H/ 30-015-44550
MESA VERDE 13 FEDERAL 4H/ MESA VERDE BS UNIT 18H/ 30-015-44549
MESA VERDE 13 FEDERAL 3H/ MESA VERDE BS UNIT 19H/ 30-015-44548
MESA VERDE 13 FEDERAL 2H/ MESA VERDE BS UNIT 20H/ 30-015-44547
MESA VERDE 13 FEDERAL 1H/ MESA VERDE BS UNIT 21H/ 30-015-44546
MESA VERDE 16_9 FEDERAL COM 3H/ MESA VERDE BS UNIT 22H/ 30-025-44559
MESA VERDE 16_9 FEDERAL COM 2H/ MESA VERDE BS UNIT 23H/ 30-025-44560
MESA VERDE 16_9 FEDERAL COM 1H/ MESA VERDE BS UNIT 24H/ 30-025-44561
MESA VERDE 17_8 FEDERAL COM 14H/ MESA VERDE WC UNIT 1H/ 30-025-44101*

*Target pools will be swapped for these wells due to drilling difficulties. Sundries will be filed to reflect this change

The working interest, royalty interest and overriding royalty interest owners are identical for the Bone Spring and Wolfcamp units, so notice was not required.

32. Additional remarks, continued

Production is sent through two 10? X 40? three-phase production separators. Oil production flows through four 8? X 20? heater treaters, then is sent to four vapor recovery towers. It then flows to twelve oil storage tanks before being pumped through eight LACT meters S/N*(FMPs located at Lat 32.211929 Long -103.708997) and sent to the oil sales line. Gas production will be sent from the separators to two gas scrubbers. It will then flow through an Oxy check meter S/N*(Lat 32.211929 Long -103.708997), which will serve as the gas FMP for the purpose of royalty payment, then sent to sales.

The flow of production is shown in detail on the enclosed facility diagram. Also enclosed is a map detailing the lease and unit boundaries, well and battery locations.

~~OXY USA INC requests the option to add wells associated to Bone Spring Unit NM137096X and Wolfcamp Unit NM137099X within the Unit boundary outlined in Order No. R-14494 and R-14500.~~

SEE COAS

APPLICATION FOR POOL COMMINGLE

Commingle proposal for the Mesa Verde Bone Spring – Wolfcamp Unit Battery

OXY USA INC requests approval of a pool commingle at the Mesa Verde Unit Battery. The wells feeding the battery are listed below.

MESA VERDE BONE SPRING UNIT **FEDERAL UNIT NMNM137096X; POOL: MESA VERDE; BONE SPRING (OIL) POOL (96229)**

Original Well Name & No.	Unit Well Name & No.	API No.	Location	Est. Date Online	Est. BOPD	Est. Oil Gravity	Est. MSCFPD	Est. BTU/cf
MESA VERDE 17 8 FEDERAL COM 24H	MESA VERDE BS UNIT 1	30-025-44195H	P-17-24S-32E	06/02/2018	825	44.0	1525	1348
MESA VERDE 17 8 FEDERAL COM 73H	MESA VERDE BS UNIT 2	30-025-44196	O-17-24S-32E	06/18/2018	825	44.0	1525	1374
MESA VERDE 17 8 FEDERAL COM 43H	MESA VERDE BS UNIT 3	30-025-44183	O-17-24S-32E	06/18/2018	614	44.0	1371	1182
MESA VERDE 17 8 FEDERAL COM 6H	MESA VERDE BS UNIT 4	30-025-44064	P-17-24S-32E	04/26/2018	1400	43.8	3339	1294
MESA VERDE 17 8 FEDERAL COM 5H	MESA VERDE BS UNIT 5	30-025-44185	P-17-24S-32E	04/26/2018	1400	43.8	3339	1294
MESA VERDE 17 8 FEDERAL COM 4H	MESA VERDE BS UNIT 6	30-025-44042	O-17-24S-32E	04/19/2018	1400	43.8	3339	1294
MESA VERDE 17 8 FEDERAL COM 3H	MESA VERDE BS UNIT 7	30-025-44065	N-17-24S-32E	04/19/2018	1400	43.8	3339	1294
MESA VERDE 17 8 FEDERAL COM 2H	MESA VERDE BS UNIT 8	30-025-44184	M-17-24S-32E	04/13/2018	1400	43.8	3339	1294
MESA VERDE 17 8 FEDERAL COM 1H	MESA VERDE BS UNIT 9	30-025-44194	M-17-24S-32E	04/13/2018	1400	43.8	3339	1294
MESA VERDE 18 7 FEDERAL COM 6H	MESA VERDE BS UNIT 10	30-025-44188	P-18-24S-32E	07/21/2018	1400	43.8	3339	1294
MESA VERDE 18 7 FEDERAL COM 5H	MESA VERDE BS UNIT 11	30-025-44187	P-18-24S-32E	07/21/2018	1148	43.8	2704	1294
MESA VERDE 18 7 FEDERAL COM 4H	MESA VERDE BS UNIT 12	30-025-44186	N-18-24S-32E	07/25/2018	1148	43.8	2704	1294
MESA VERDE 18 FEDERAL COM 3H	MESA VERDE BS UNIT 13	30-025-44192	N-18-24S-32E	07/25/2018	824	43.8	1922	1294
MESA VERDE 18 FEDERAL COM 2H	MESA VERDE BS UNIT 14	30-025-44191	M-18-24S-32E	06/11/2018	824	43.8	1922	1294
MESA VERDE 18 FEDERAL COM 1H	MESA VERDE BS UNIT 15	30-025-44190	M-18-24S-32E	06/11/2018	824	43.8	1922	1294
MESA VERDE 13 FEDERAL 6H	MESA VERDE BS UNIT 16	30-015-44551	P-13-24S-31E	10/03/2018	824	43.8	1922	1294
MESA VERDE 13 FEDERAL 5H	MESA VERDE BS UNIT 17	30-015-44550	P-13-24S-31E	10/03/2018	824	43.8	1922	1294
MESA VERDE 13 FEDERAL 4H	MESA VERDE BS UNIT 18	30-015-44549	O-13-24S-31E	09/04/2018	824	43.8	1922	1294
MESA VERDE 13 FEDERAL 3H	MESA VERDE BS UNIT 19	30-015-44548	N-13-24S-31E	09/04/2018	824	43.8	1922	1294
MESA VERDE 13 FEDERAL 2H	MESA VERDE BS UNIT 20	30-015-44547	M-13-24S-31E	09/07/2018	824	43.8	1922	1294
MESA VERDE 13 FEDERAL 1H	MESA VERDE BS UNIT 21	30-015-44546	M-13-24S-31E	09/07/2018	824	43.8	1922	1294
MESA VERDE 16 9 FEDERAL COM 3H	MESA VERDE BS UNIT 22H	30-025-44559	M-16-24S-32E	12/02/2018	1400	43.8	3339	1294
MESA VERDE 16 9 FEDERAL COM 2H	MESA VERDE BS UNIT 23H	30-025-44560	M-16-24S-32E	12/02/2018	1400	43.8	3339	1294
MESA VERDE 16 9 FEDERAL COM 1H	MESA VERDE BS UNIT 24H	30-025-44561	M-16-24S-32E	12/02/2018	1400	43.8	3339	1294

MESA VERDE WOLFCAMP UNIT **FEDERAL UNIT NMNM137099X; POOL: MESA VERDE; WOLFCAMP (OIL) POOL (98252)**

Original Well Name & No.	Unit Well Name & No.	API No.	Location	Est. Date Online	Est. BOPD	Oil Gravity	Est. MSCFPD	BTU/cf
MESA VERDE 17 8 FEDERAL COM 14H	MESA VERDE WC UNIT 1	30-025-44101H	P-17-24S-32E	06/02/2018	757	46.0	2494	1231

#Target pools will be swapped for these wells due to drilling difficulties. Sundries will be filed to reflect this change

Production estimates are average of first 6 month volumes

The working interest, royalty interest and overriding royalty interest owners are identical for the Bone Spring and Wolfcamp units, so notice was not required.

Process Description:

Production is sent through two 10' X 40' three-phase production separators. Oil production flows through four 8' X 20' heater treaters, then is sent to four vapor recovery towers. It then flows to twelve oil storage tanks before being pumped through eight LACT meters (S/N#) (FMPs located at Lat 32.211929 Long -103.708997) and sent to the oil sales line. A truck load FMP will be set up at the facility for use as back-up in the event of a LACT meter failure.

Oil production will be allocated back to each well based on well test. For testing purposes, the facility will be equipped with twelve permanent 6' x 20' three-phase test separators. Each test vessel will be equipped with oil turbine meters (S/N#), gas orifice meters (S/N#) and water turbine meters. In addition, the facility is equipped to add up to twelve portable 6' X 20' three-phase test separators. Any portable test separator will be equipped with an oil turbine meter (S/N#), gas orifice meter (S/N#) and water turbine meter.

Gas production will be sent from the separators to two gas scrubbers. It will then flow through an orifice check meter (S/N#) (Lat 32.211929 Long -103.708997), which will serve as the gas FMP for the purpose of royalty payment, then sent to sales.

*Water number to be submitted upon installation. The oil and gas meters will be calibrated on a regular basis per API, NMOCD and BLM specifications.

All water from the Mesa Verde Unit Battery will be sent to the Sand Dunes SWD Integration System.

Additional Application Components:

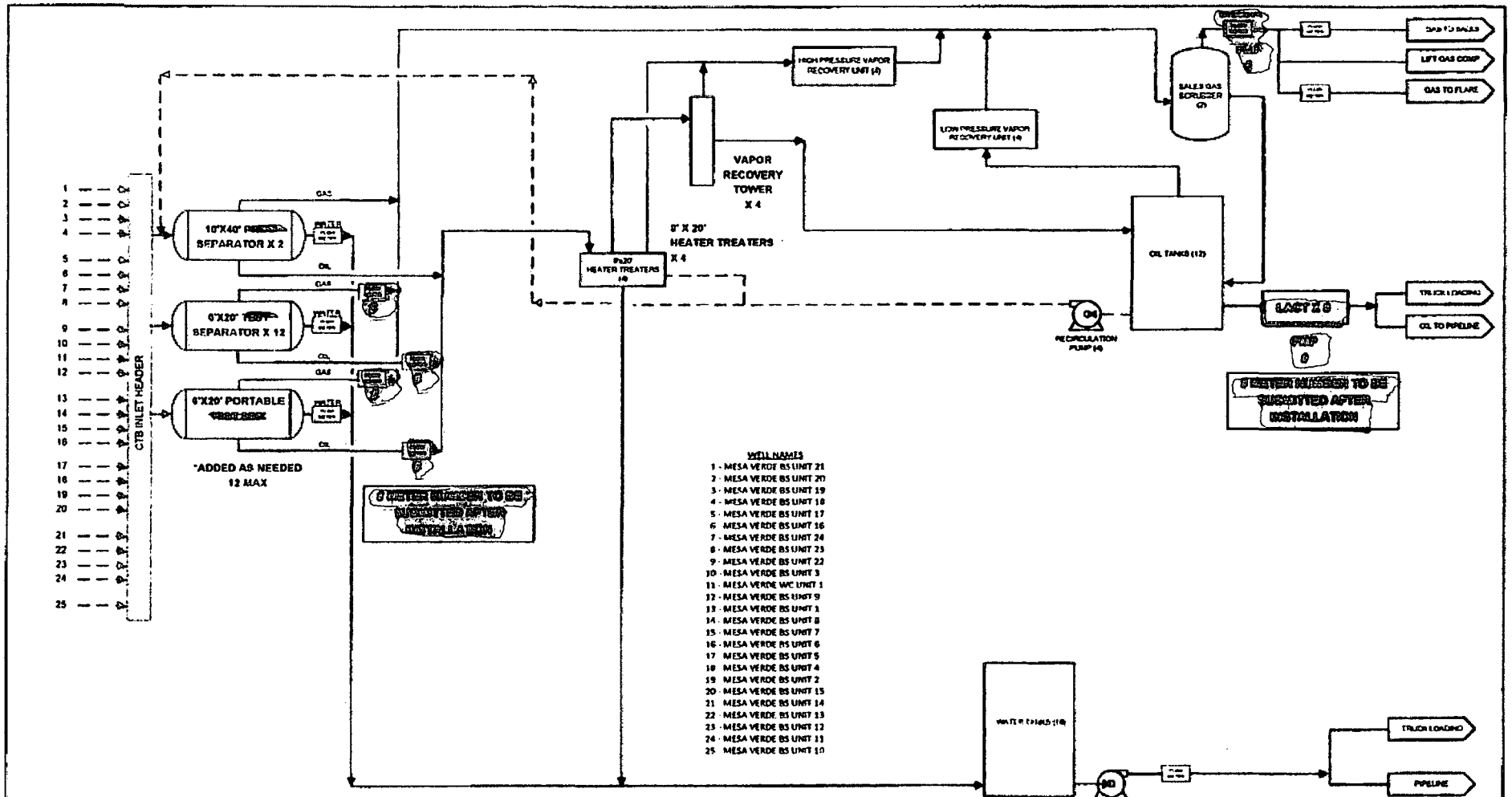
The flow of production is shown in detail on the enclosed facility diagram. Also enclosed is a map detailing the lease and unit boundaries, well and battery locations.

~~OXY USA INC requests the option to add wells associated to Bone Spring Unit NM137096X and Wolfcamp Unit NM137099X within the approved Unit boundary outlined in Order No. R-14494 and R-14900.~~ SEE COAS

If a well is converted to gas lift in the future, a request for beneficial use will be submitted.

Commingling this production is the most effective means of producing the reserves. The surface commingle application will be submitted separately for approval per NMOCD and BLM regulations.

OXY USA INC understands the requested approval will not constitute the granting of any right-of-way or construction rights not granted by the lease instrument. The surface commingle application will be submitted separately for approval per SLO regulations.



LEGEND		REVISION BLOCK							ENGINEERING RECORD		 BLOCK FLOW DIAGRAM MESA VERDE CTB C - CHART MESA VERDE CTB EPC LICENSE - PERMIT CTB COMPLETE
-----	PRODUCTION MIX	-----	WATER	NO	DATE	DESCRIPTION	BY	CHK	APP	DRN: LJ	DATE
-----	OIL	-----	EQUIPMENT	1						DES	
-----	GAS			2						CHK	
				3						APP	

**Economic Justification Worksheet
MESA VERDE UNIT BATTERY**

WELLS	BOPD	EST. OIL GRAVITY @ 60°	VALUE/BBL	MCFD	EST. DRY BTU*	VALUE/MCF
MESA VERDE BS UNIT 1	825	44.0	\$61.00/bbl	1525	1348	\$2.70/mcf
MESA VERDE BS UNIT 2	825	44.0		1525	1374	
MESA VERDE BS UNIT 3	614	44.0		1371	1182	
MESA VERDE BS UNIT 4	1400	43.8		3339	1294	
MESA VERDE BS UNIT 5	1400	43.8		3339	1294	
MESA VERDE BS UNIT 6	1400	43.8		3339	1294	
MESA VERDE BS UNIT 7	1400	43.8		3339	1294	
MESA VERDE BS UNIT 8	1400	43.8		3339	1294	
MESA VERDE BS UNIT 9	1400	43.8		3339	1294	
MESA VERDE BS UNIT 10	1400	43.8		3339	1294	
MESA VERDE BS UNIT 11	1148	43.8		2704	1294	
MESA VERDE BS UNIT 12	1148	43.8		2704	1294	
MESA VERDE BS UNIT 13	824	43.8		1922	1294	
MESA VERDE BS UNIT 14	824	43.8		1922	1294	
MESA VERDE BS UNIT 15	824	43.8		1922	1294	
MESA VERDE BS UNIT 16	824	43.8		1922	1294	
MESA VERDE BS UNIT 17	824	43.8		1922	1294	
MESA VERDE BS UNIT 18	824	43.8		1922	1294	
MESA VERDE BS UNIT 19	824	43.8		1922	1294	
MESA VERDE BS UNIT 20	824	43.8		1922	1294	
MESA VERDE BS UNIT 21	824	43.8		1922	1294	
MESA VERDE BS UNIT 22H	1400	43.8		3339	1294	
MESA VERDE BS UNIT 23H	1400	43.8		3339	1294	
MESA VERDE BS UNIT 24H	1400	43.8		3339	1294	
MESA VERDE WC UNIT 1	757	46.0		2494	1231	

Economic Combined Production

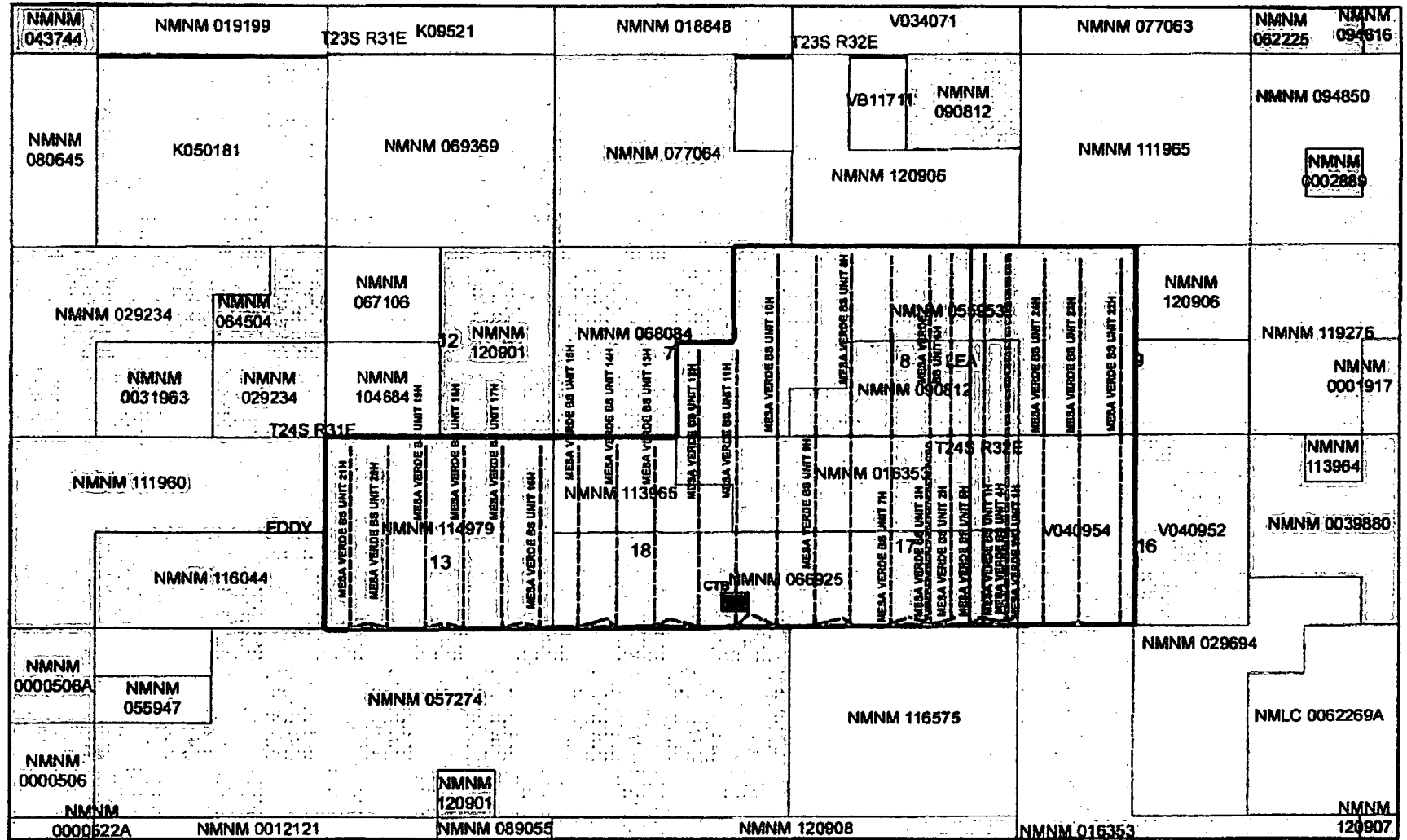
BATTERY	BOPD	WEIGHTED OIL GRAVITY @ 60	VALUE/BBL	MCFD	WEIGHTED DRY BTU	VALUE/MCF
Mesa Verde Unit	26733	43.9	\$61.00/bbl	63011	1292	\$2.70/mcf

*Wells not completed yet - API and BTU values are estimates

- A). Working interest, royalty interest and overriding royalty interest are identical for Wolfcamp and Bone Spring Units
B). Based on offset wells, API gravity in Bone Spring ranges from 41-45 and in Wolfcamp ranges from 42.5-46.5
C). As per our oil purchase contract, all production is sold as sweet crude and paid on a flat 40 API gravity rate
D). Based on offset wells, BTU in Bone Spring ranges from 1200-1390 and in Wolfcamp ranges from 1215-1325

Mesa Verde CTB

T24S R 31E & T24S R32E

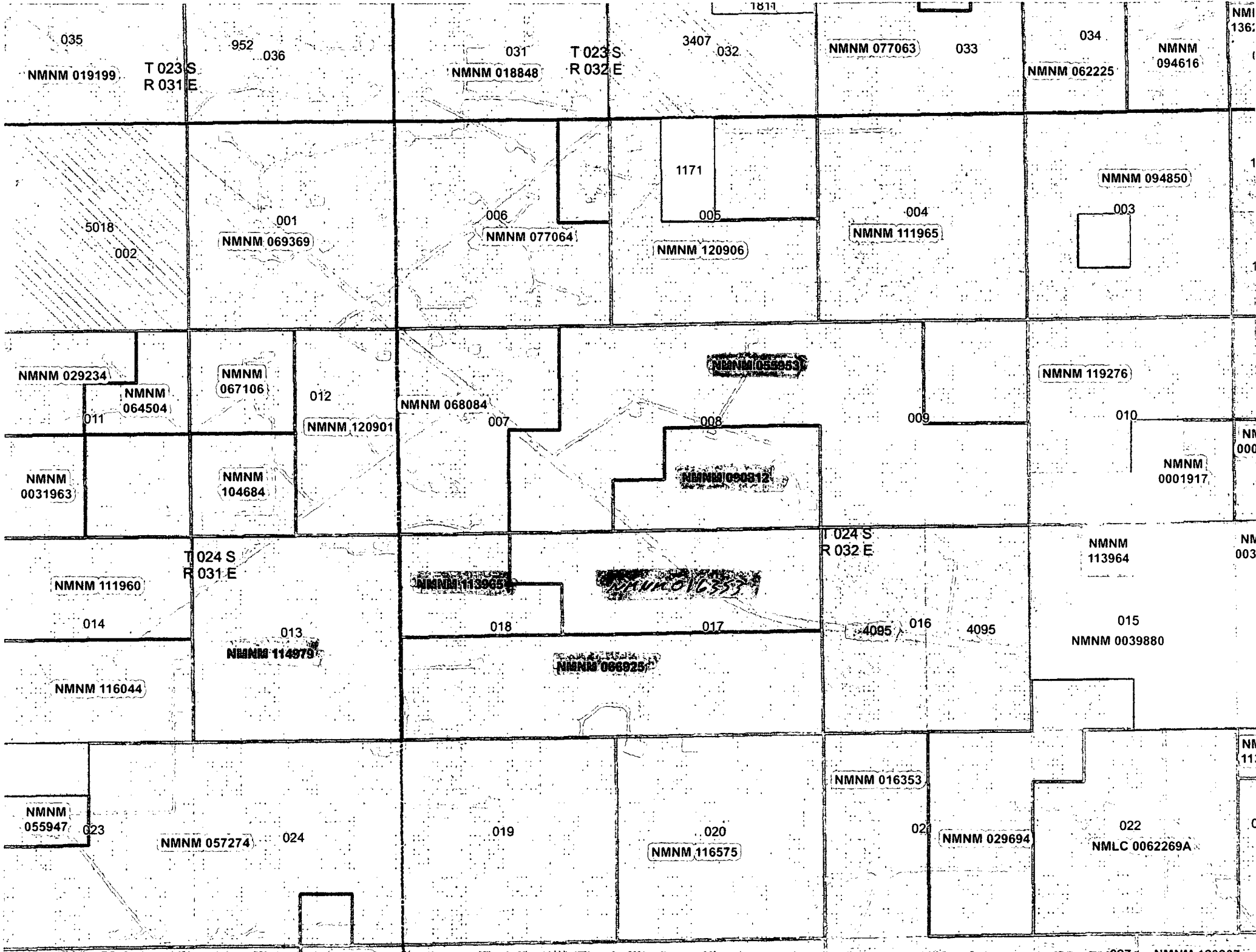


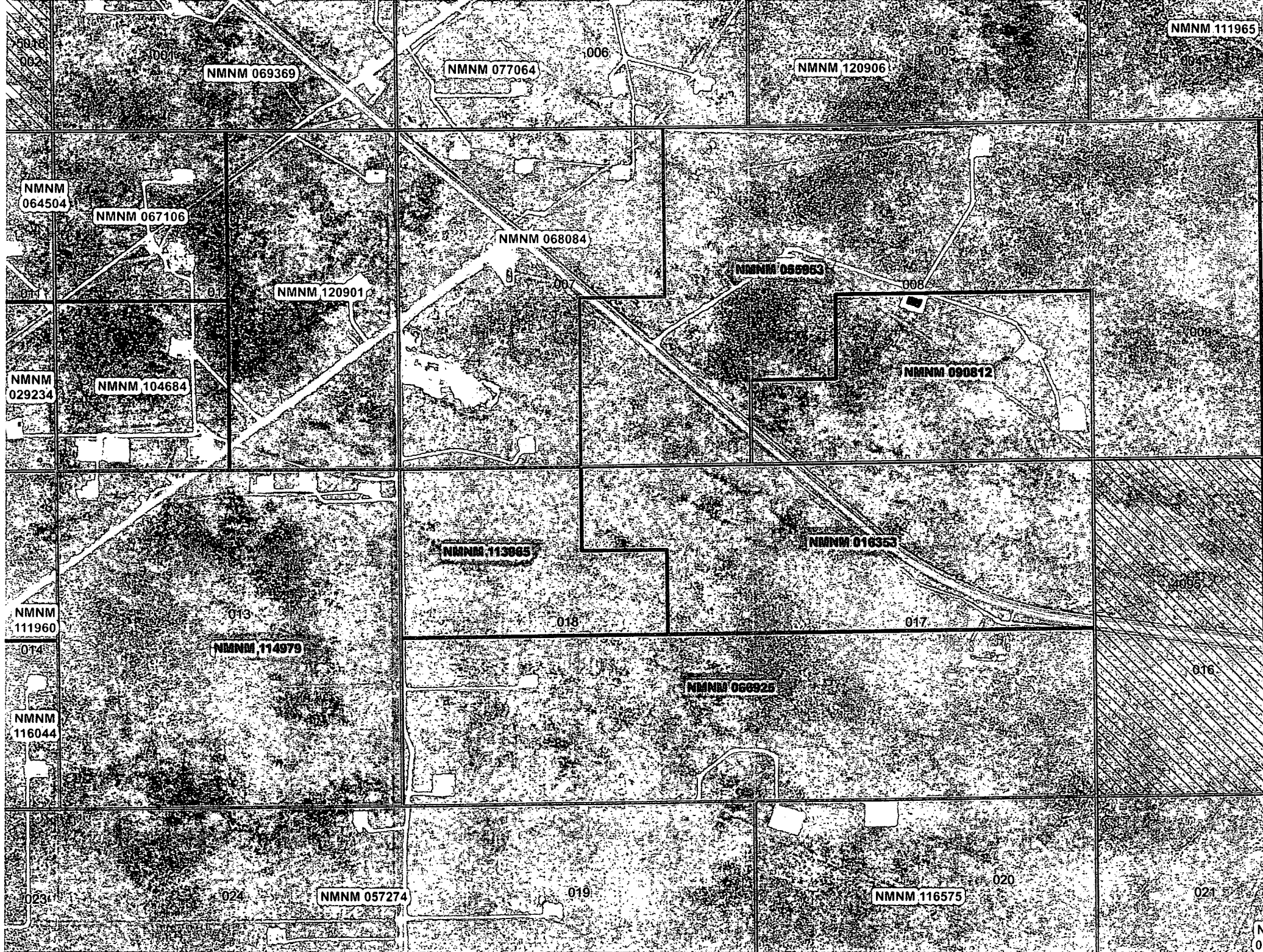
Legend

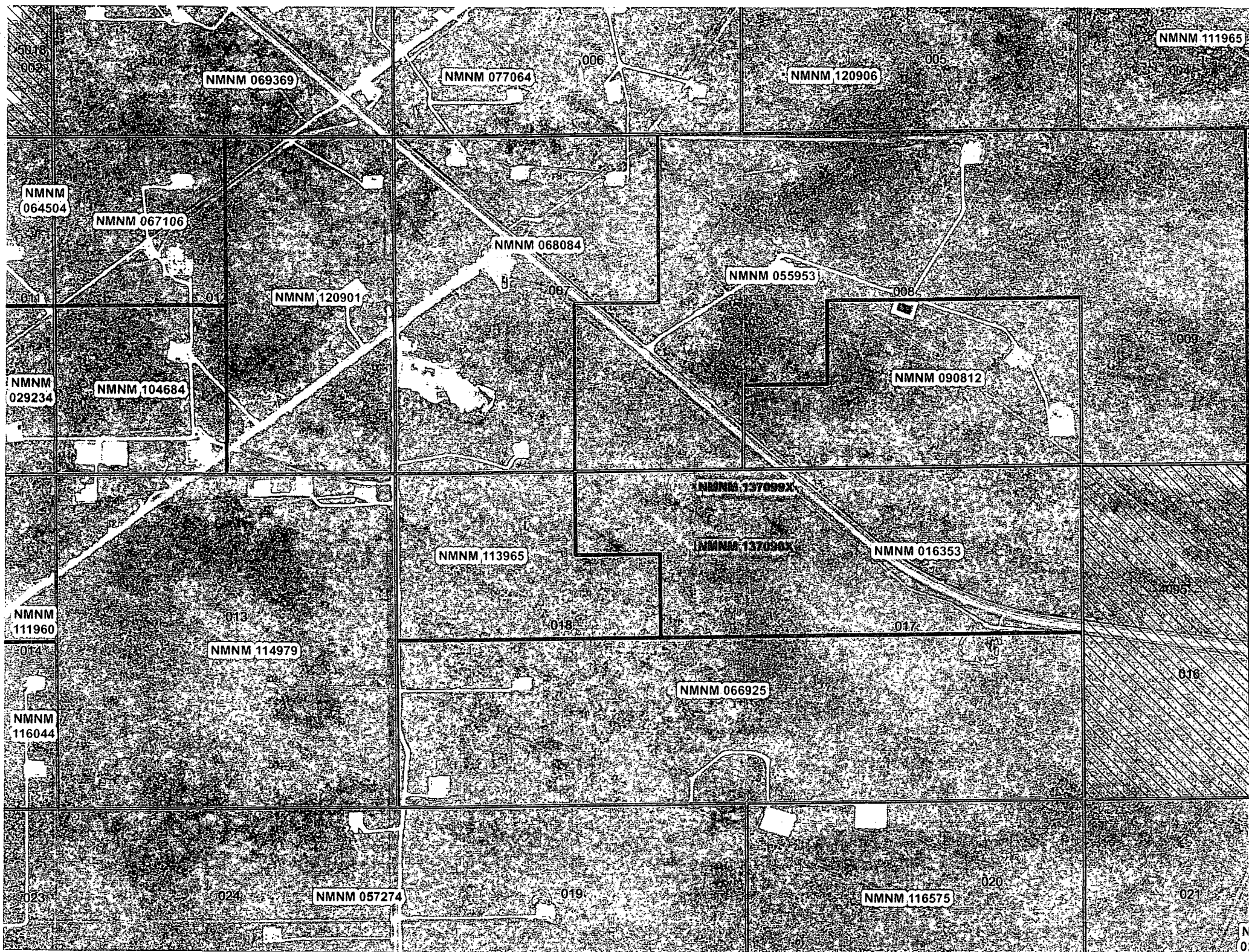
— Mesa Verde Wells



MESA VERDE BONE SPRING UNIT BOUNDARY
MESA VERDE BONE WOLFCAMP BOUNDARY







NMNM 111965

NMNM 069369

NMNM 077064

NMNM 120906

NMNM
064504

NMNM 067106

NMNM 068084

NMNM 055953

NMNM 120901

NMNM
029234

NMNM 104684

NMNM 090812

NMNM 137099X

NMNM 113965

NMNM 137096X

NMNM 016353

NMNM
111960

NMNM 114979

NMNM 066925

NMNM
116044

NMNM 057274

NMNM 116575



OXY USA INC

A subsidiary of Occidental Petroleum Corporation

5 Greenway Plaza, Suite 110, Houston, Texas 77046
P.O. Box 4294, Houston, Texas 77210-4294

February 27, 2018

Re: Commingle Application For Mesa Verde Bone Spring Unit and Mesa Verde Wolfcamp Unit:

Mesa Verde Bone Spring Unit Agreement

Agreement #NMNM137096X

T24S-R32E, NMPM, Lea County

Section 7: E/2 NE/4, SE/4; Section 8: All; Section 9: W/2; Section 16: W/2; Section 17: All;

Section 18: All

T24S-R31E, NMPM, Eddy County

Section 13: All

Mesa Verde; Bone Spring (Oil) Pool

Mesa Verde Wolfcamp Unit Agreement

Agreement #NMNM137099X

T24S-R32E, NMPM, Lea County

Section 7: E/2 NE/4, SE/4; Section 8: All; Section 9: W/2; Section 16: W/2; Section 17: All;

Section 18: All

T24S-R31E, NMPM, Eddy County

Section 13: All

Mesa Verde Wolfcamp (Oil) Pool

To Whom It May Concern:

OXY USA INC, as Operator, will be filing an application with the New Mexico Oil Conservation Division for approval of the above mentioned commingle project. This letter serves to notice you that the operator and interest owners are identical for the units listed above.

Best Regards,

OXY USA INC



John Schneider
Landman

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(LIVE) Serial Register Page

Run Date/Time: 8/20/2018 7:04 AM

Page 1 Of 2

01 02-25-1920;041STAT0437;30USC181

Total Acres:

Serial Number

Case Type 318210: O&G EXPLORATORY UNIT

3461.800

~~NMNM~~ - 137099X

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

Case File Juris: CARLSBAD FIELD OFFICE

Serial Number: NMNM--- 137099X

Name & Address					Int Rel	% Interest
BLM CARLSBAD FO	620 E GREENE ST	CARLSBAD	NM	88220	OFFICE OF RECORD	0.000000000
OXY USA INC	5 GREENWAY PLZ #110	HOUSTON	TX	770460521	OPERATOR	100.000000000

Serial Number: NMNM-- - 137099X

Mer Twp	Rng	Sec	SType	Nr	Suff	Subdivision	District/ Field Office	County	Mgmt Agency
23	0240S	0310E	013	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0240S	0320E	007	ALIQ		E2NE,SE;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0240S	0320E	008	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0240S	0320E	009	ALIQ		W2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0240S	0320E	016	ALIQ		W2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0240S	0320E	017	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0240S	0320E	018	ALIQ		E2W2,E2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0240S	0320E	018	LOTS		1-4;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 137099X

Relinquished / Withdrawn Lands

Serial Number: NMNM-- - 137099X

Act Date	Act Code	Action Txt	Action Remarks	Pending Office
03/16/2017	580	PROPOSAL RECEIVED		
06/08/2017	387	CASE ESTABLISHED		
06/08/2017	500	GEOGRAPHIC NAME	MESA VERDE WC UNIT;	
06/08/2017	516	FORMATION	WOLFCAMP	
06/08/2017	525	ACRES-NONFEDERAL	320.0;9.24% ST	
12/22/2017	868	EFFECTIVE DATE	/A/	
01/03/2018	334	AGRMT APPROVED		

Serial Number: NMNM-- - 137099X

Line Number	Remark Text
0001	MESA VERDE WOLFCAMP RESOURCE DEVELOPMENT UNIT;
0002	/A/EXHIBIT B EFFECTIVE 12/22/2017
0003	LEASE SERIAL NO TR# STATUS ACRES PERCENT

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(LIVE) Serial Register Page

R.R.

Run Date/Time: 8/20/2018 7:02 AM

Page 2 Of 2

0004	NMNM	16353	12.5%	1	FC	440.00	12.71	} 90.76%
0005	NMNM	55953	16.2%	2	PC	920.00	26.58	
0006	NMNM	66925	12.5%	3	FC	651.15	18.81	
0007	NMNM	90812	12.5%	4	PC	280.00	8.09	
0008	NMNM	113965	12.5%	5	FC	210.65	6.08	
0009	NMNM	114979	12.5%	6	FC	640.00	18.49	} 9.24%
0010	STATE			7	FC	320.00	9.24	
0011				TOTAL		3461.80	100.00	

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(LIVE) Serial Register Page

Run Date/Time: 8/20/2018 7:02 AM

Page 1 Of 2

01 02-25-1920;041STAT0437;30USC181

Total Acres:

Serial Number

Case Type 318210: O&G EXPLORATORY UNIT

3461.800

~~NMNM--~~ 137096X

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

Case File Juris: CARLSBAD FIELD OFFICE

Serial Number: NMNM--- 137096X

Name & Address					Int Rel	% Interest
BLM CARLSBAD FO	620 E GREENE ST	CARLSBAD	NM	88220	OFFICE OF RECORD	0.000000000
OXY USA INC	5 GREENWAY PLZ #110	HOUSTON	TX	770460521	OPERATOR	100.000000000

Serial Number: NMNM-- - 137096X

Mer Twp	Rng	Sec	SType	Nr	Suff	Subdivision	District/ Field Office	County	Mgmt Agency
23	0240S	0310E	013	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0240S	0320E	007	ALIQ		E2NE,SE;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0240S	0320E	008	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0240S	0320E	009	ALIQ		W2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0240S	0320E	016	ALIQ		W2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0240S	0320E	017	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0240S	0320E	018	ALIQ		E2W2,E2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0240S	0320E	018	LOTS		1-4;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 137096X

Relinquished / Withdrawn Lands

Serial Number: NMNM-- - 137096X

Act Date	Act Code	Action Txt	Action Remarks	Pending Office
03/16/2017	580	PROPOSAL RECEIVED		
06/08/2017	387	CASE ESTABLISHED		
06/08/2017	500	GEOGRAPHIC NAME	MESA VERDE BS UNIT;	
06/08/2017	516	FORMATION	BONE SPRING	
06/08/2017	525	ACRES-NONFEDERAL	320.0;9.24% ST	
12/22/2017	868	EFFECTIVE DATE	/A/	
01/03/2018	334	AGRMT APPROVED		

Serial Number: NMNM-- - 137096X

Line Number	Remark Text
0001	MESA VERDE BONE SPRING RESOURCE DEVELOPMENT UNIT;
0002	/A/EXHIBIT B EFFECTIVE 12/22/2017
0003	LEASE SERIAL NO TR# STATUS ACRES PERCENT

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(LIVE) Serial Register Page

R.R.

Run Date/Time: 8/20/2018 7:04 AM

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0004	NMNM 16353	12.520	1	FC	440.00	12.71	}	90.7690
0005	NMNM 55953	162.590		PC	920.00	26.58		
0006	NMNM 66925	12.590	3	FC	651.15	18.81		
0007	NMNM 90812	12.590	4	PC	280.00	8.09		
0008	NMNM 113965	12.520	5	FC	210.65	6.08		
0009	NMNM 114979	12.520	6	FC	640.00	18.49	}	9.2490
0010	STATE		7	FC	320.00	9.24		
0011			TOTAL		3461.80	100.00		

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(NARS) Serial Register Page

Run Date/Time: 2/15/2018 11:51 AM

Page 1 Of 7

01 02-25-1820;0418TAD437;38U8C181ET8EQ
Case Type 311211: O&G L&E SMO PUBLIC LAND
Commodity 488: OIL & GAS
Case Disposition: AUTHORIZED

Total Acres:
1,728,000

Serial Number

NMNM 016353

Name & Address						Serial Number: NMNM-- 016353	
						Int Rel	% Interest
LMS LIMITED LBLY CO	BOX 621402	LITTLETON	CO	80182	OPERATING RIGHTS		0.000000000
T E F CORP	PO BOX 3721	MIDLAND	TX	79702	OPERATING RIGHTS		0.000000000
TEMPO ENERGY INC	BOX 1034	MIDLAND	TX	797021034	OPERATING RIGHTS		0.000000000
FXP PRODUCING CO LLC	717 TEXAS ST STE 2100	HOUSTON	TX	770022753	OPERATING RIGHTS		0.000000000
XTO HOLDINGS LLC	810 HOUSTON ST	FORT WORTH	TX	761026203	LESSEE		100.000000000
HILCORP ENERGY	1000 LOUISIANA #3760	HOUSTON	TX	77002	OPERATING RIGHTS		0.000000000
PANADA PIPE & EQMT	PO BOX 3721	MIDLAND	TX	79702	OPERATING RIGHTS		0.000000000
PANNELL FRANK	PO BOX 3721	MIDLAND	TX	79702	OPERATING RIGHTS		0.000000000
GARBER WILFRED F	2800 HANOVER	DALLAS	TX	75225	OPERATING RIGHTS		0.000000000
FORREST ROBERT H JR	608 ELORA DR	CARLSBAD	NM	88220	OPERATING RIGHTS		0.000000000
OXY USA INC	5 GREENWAY PLZ #110	HOUSTON	TX	770480621	OPERATING RIGHTS		0.000000000
OXY USA INC	PO BOX 27570	HOUSTON	TX	772277570	OPERATING RIGHTS		0.000000000
BURLINGTON RES OIL & GAS CO LP	PO BOX 51810	MIDLAND	TX	797101810	OPERATING RIGHTS		0.000000000
SABINE OIL & GAS CORP	787 17TH ST STE 3600	DENVER	CO	802023408	OPERATING RIGHTS		0.000000000
EOG RESOURCES INC	PO BOX 4362	HOUSTON	TX	772104362	OPERATING RIGHTS		0.000000000

Mer Twp Rng						Serial Number: NMNM-- 016353	
						County	Mgmt Agency
23	0240S	0320E	017	ALJO	N2;	CARLSBAD FIELD OFFICE	LEA BUREAU OF LAND MGMT
23	0240S	0320E	018	ALJO	N2NE,SENE;	CARLSBAD FIELD OFFICE	LEA BUREAU OF LAND MGMT
23	0240S	0320E	021	ALJO	W2;	CARLSBAD FIELD OFFICE	LEA BUREAU OF LAND MGMT
23	0240S	0320E	027	ALJO	W2;	CARLSBAD FIELD OFFICE	LEA BUREAU OF LAND MGMT
23	0240S	0320E	028	ALJO	ALL;	CARLSBAD FIELD OFFICE	LEA BUREAU OF LAND MGMT

Relinquished/Withdrawn Lands

Serial Number: NMNM-- 016353

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page

Run Date/Time: 2/15/2018 11:51 AM

Page 2 Of 7

Serial Number: NMNM-- 016353

Act Date	Act Code	Action Txt	Action Remarks	Pending Off
05/21/1972	387	CASE ESTABLISHED	SPAR76;	
05/22/1972	888	DRAWING HELD		
08/16/1972	140	ASGN FILED	CLINKENBEARD/CTL SW	
07/17/1972	120	APPEAL FILED		
09/12/1972	119	APPEAL DISMISSED		
10/05/1972	149	CASE RECEIVED FROM	IBLA;	
01/10/1973	237	LEASE ISSUED		
01/18/1973	139	ASGN APPROVED	EFF 02/01/73;	
02/01/1973	498	FUND CODE	05;145003	
02/01/1973	530	RENTY RATE - 98.12%		
02/01/1973	888	EFFECTIVE DATE		
08/28/1975	120	APPEAL FILED		
09/03/1975	315	RENTAL RATE DET/ADJ	\$2.00;	
11/11/1975	119	APPEAL DISMISSED		
12/11/1975	149	CASE RECEIVED FROM	IBLA;	
06/14/1976	140	ASGN FILED	CTL SW OIL/EXXON CORP	
07/28/1978	139	ASGN APPROVED	EFF 08/01/78;	
08/11/1980	940	NAME CHANGE RECOGNIZED	CTL SW OIL/PEPPERTREE	
01/13/1983	850	HELD BY PROD - ACTUAL		
01/31/1983	235	EXTENDED	THRU 01/31/85;	
03/07/1983	102	NOTICE SENT-PROD STATUS		
05/26/1983	932	TRF OPER RGTS FILED	EXXON CORP/B SELTZER	
08/20/1983	557	TRF OPER RGTS WITHDRAWN	EXXON CORP/B SELTZER	
07/28/1983	932	TRF OPER RGTS FILED	EXXON CORP/B SELTZER	
07/28/1983	932	TRF OPER RGTS FILED	SELTZER/BEDFORD	
08/02/1983	933	TRF OPER RGTS APPROVED	(1)EFF 01/13/83;	
08/02/1983	933	TRF OPER RGTS APPROVED	(2)EFF 01/13/83;	
02/10/1984	932	TRF OPER RGTS FILED	EXXON CORP/B SELTZER	
02/14/1984	933	TRF OPER RGTS APPROVED	(1)EFF 07/01/84;	
02/14/1984	933	TRF OPER RGTS APPROVED	(2)EFF 07/01/84;	
03/23/1984	933	TRF OPER RGTS APPROVED	EFF 03/01/84;	
05/21/1984	932	TRF OPER RGTS FILED	SELTZER/FIELDS	
05/23/1984	933	TRF OPER RGTS APPROVED	EFF 03/01/84;	
06/01/1984	932	TRF OPER RGTS FILED	(1)KENAC ENE/K SEWELL	
06/01/1984	932	TRF OPER RGTS FILED	(2)KENAC ENE/K SEWELL	
02/14/1985	933	TRF OPER RGTS APPROVED	EFF 08/01/84;	
03/18/1985	932	TRF OPER RGTS FILED	EXXON CORP/B SELTZER	
04/10/1985	933	TRF OPER RGTS APPROVED	EFF 04/01/85;	
05/20/1985	963	CASE MICROFILMED/SCANNED	CNUM 103,189 AC	

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

Run Date/Time: 2/15/2018 11:52 AM

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Serial Number: NMNM-00000

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page**

Run Date/Time: 2/15/2018 11:50 AM

Page 1 Of 3

01 02-25-1920;041STAT0437;30USC181ET8EQ
Case Type 311211: O&G LSE SIMO PUBLIC LAND
Commodity 488: OIL & GAS
Case Disposition: AUTHORIZED

Total Acres:
631.150

Serial Number
NMNM - 066925

						Serial Number: NMNM-- - 066925	
Name & Address				Int Rel		% Interest	
DEAN BETTY M	PO BOX 10728	MIDLAND	TX 78702	OPERATING RIGHTS		0.000000000	
DEAN CHARLES A	PO BOX 10728	MIDLAND	TX 78702	OPERATING RIGHTS		0.000000000	
PXP PRODUCING CO LLC	717 TEXAS ST STE 2100	HOUSTON	TX 770022753	OPERATING RIGHTS		0.000000000	
OXY USA INC	5 GREENWAY PLZ #110	HOUSTON	TX 770480521	OPERATING RIGHTS		0.000000000	
BURLINGTON RES OIL & GAS CO LP	PO BOX 51810	MIDLAND	TX 797101810	LESSEE		100.000000000	
EOG RESOURCES INC	PO BOX 4362	HOUSTON	TX 772104362	OPERATING RIGHTS		0.000000000	
OXY USA INC	PO BOX 27570	HOUSTON	TX 772277570	OPERATING RIGHTS		0.000000000	

					Serial Number: NMNM-- - 066925		
Mer Twp Rng	Sec SType	Nr	Suff Subdivision	District/ Field Office	County	Mgmt Agency	
23	02408 0320E	017	ALIQ	82;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	02408 0320E	018	LOTS	3.4;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	02409 0320E	018	ALIQ	E2SW,SE,	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

Relinquished/Withdrawn Lands

Serial Number: NMNM-- - 066925

				Serial Number: NMNM-- - 066925	
Act Date	Act Code	Action Txt	Action Remarks	Pending Off	
06/02/1986	387	CASE ESTABLISHED	SPAR197;		
07/28/1986	888	DRAWING HELD			
10/01/1986	237	LEASE ISSUED			
10/07/1986	600	RECORDS NOTED			
10/10/1986	963	CASE MICROFILMED/SCANNED	CNUM 559,353 GLC		
11/01/1986	486	FUND CODE	05;145003		
11/01/1986	530	RLTY RATE 12 1/2%			
11/01/1986	888	EFFECTIVE DATE			
08/08/1987	111	RENTAL RECEIVED	\$852.00;1YR/87-88		
12/09/1987	874	AUTOMATED RECORD VERIF	VL/O		
08/08/1988	932	TRF OPER RGTS FILED			
09/21/1988	933	TRF OPER RGTS APPROVED	EFF 09/01/88;		

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page

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01 12-22-1987;101STAT1330;30USC181 ET SEQ
Case Type 312021: O&G LSE COMP PD -1987
Commodity 458: OIL & GAS
Case Disposition: AUTHORIZED

Total Acres:
439.130

Serial Number

NMNM--090812

Serial Number: NMNM--090812

Name & Address	Int Rel	% Interest
PXP PRODUCING CO LLC 717 TEXAS ST STE 2100 HOUSTON TX 770022753	OPERATING RIGHTS	0.000000000
OXY USA INC 5 GREENWAY PLZ #110 HOUSTON TX 770480521	OPERATING RIGHTS	0.000000000
EOG RESOURCES INC PO BOX 4362 HOUSTON TX 772104362	LESSEE	100.000000000
OXY USA INC PO BOX 27570 HOUSTON TX 772277570	OPERATING RIGHTS	0.000000000
EOG RESOURCES INC PO BOX 4362 HOUSTON TX 772104362	OPERATING RIGHTS	0.000000000

Serial Number: NMNM--090812

Mer	Twp	Rng	Sec	SType	Nr	Subdivision	District/ Field Office	County	Mgmt Agency
23	0240S	0320E	008	LOTS	1,2		CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0240S	0320E	008	ALQ	82NE		CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0240S	0320E	008	ALQ	E28W,3WSW,SE		CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

Relinquished/Withdrawn Lands

Serial Number: NMNM--090812

Serial Number: NMNM--090812

Act Date	Act Code	Action Text	Action Remarks	Pending Off
08/29/1988	387	CASE ESTABLISHED		
09/01/1988	496	FUND CODE	05;145003	
09/01/1988	530	NETTY RATE = 12 1/2%		
09/01/1988	868	EFFECTIVE DATE		
05/01/1991	553	CASE CREATED BY ASGN	OUT OF NMNM77084;	
04/29/1993	974	AUTOMATED RECORD VERIF	SSP/JS	
05/27/1993	246	LEASE COMMITTED TO CA	NMNM80969;	
05/28/1993	993	CASE MICROFILMED/SCANNED	CNUM 569,781 JS	
08/01/1993	677	SUS OPS OR PROD/PMT REQD	APD PROCESSING DELAY	
08/04/1993	084	RENTAL RECEIVED BY ONRR	\$880.00;21/900547	
08/10/1993	140	ASGN FILED	MILLENNIUM/MERIDIAN	
09/01/1993	678	SUSP LIFTED	ADP PROCESSING DELAY;	
10/12/1993	139	ASGN APPROVED	EFF 07/01/93;	
10/12/1993	974	AUTOMATED RECORD VERIF	ST/KRP	

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(HASS) Serial Register Page

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01 12-22-1987;1016TAT1330;30USC181 ET SEQ
Case Type 312021: O&G L&E COMP PD -1987
Commodity 459: OIL & GAS
Case Disposition: AUTHORIZED

Total Acres:
210.850

Serial Number
NMNM 113965

Name & Address	Serial Number: NMNM-- - 113965	Int Rel	% Interest
OKY USA INC PO BOX 27570 HOUSTON TX 77277570	LESSEE	100.000000000	

Mer Twp Rng	Sec	SType	Nr	Suff	Subdivision	District/ Field Office	County	Mgmt Agency
23	0240S	0320E	018	ALIQ	SWNE, E2NW;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0240S	0320E	018	LOTS	1.2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

Relinquished/Withdrawn Lands

Serial Number: NMNM-- - 113965

Act Date	Act Code	Action Text	Action Remarks	Pending Off
04/18/2005	289	PROTEST FILED		
04/18/2005	387	CASE ESTABLISHED	200504059;	
04/20/2005	191	SALE HELD		
04/20/2005	287	BID RECEIVED	\$158250.00;	
05/20/2005	237	LEASE ISSUED		
05/20/2005	288	PROTEST DISMISSED		
05/20/2005	974	AUTOMATED RECORD VERIF		
08/01/2005	498	FUND CODE	05;145003	
08/01/2005	530	RENTY RATE = 12-1/2%		
08/01/2005	888	EFFECTIVE DATE		
08/29/2005	983	CASE MICROFILMED/SCANNED		
05/01/2008	140	ASGN FILED	POGO PRODUC/OXY USA;1	
08/30/2008	289	ASGN DENIED	POGO PRODUC/OXYUSA;	
08/30/2008	974	AUTOMATED RECORD VERIF	MV	
10/14/2008	140	ASGN FILED	J BAR CAN/POGO PROD;1	
01/08/2009	140	ASGN FILED	POGO PRODUC/OXY USA;1	
01/08/2009	832	TRF OPER RGTS FILED	POGO PRODUC/OXY USA;1	
03/02/2009	833	TRF OPER RGTS APPROVED	EFF 02/01/09;	
12/01/2010	246	LEASE COMMITTED TO CA	NMNM128188;	
03/17/2011	650	HELD BY PROD - ACTUAL	1/1	

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(NARS) Serial Register Page

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01 12-22-1987;101STAT1330;30USC181 ET SEQ
Case Type 312021: O&G L&E COMP PD-1987
Commodity 458: OIL & GAS
Case Disposition: AUTHORIZED

Total Acres:
640.000

Serial Number
NMNM 114979

Serial Number: NMNM-- 114979

Name & Address	Int Rel	% Interest
OXY USA INC 5 GREENWAY PLZ #110 HOUSTON TX 770460521	OPERATING RIGHTS	0.000000000
OXY USA INC PO BOX 27570 HOUSTON TX 772277570	LESSEE	100.000000000
OXY USA INC PO BOX 27570 HOUSTON TX 772277570	OPERATING RIGHTS	0.000000000

Serial Number: NMNM-- 114979

Mer Twp Rng	Sec	S Type	Nr	Suff	Subdivision	District/ Field Office	County	Mgmt Agency
23	0240S 0310E	013	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Relinquished/Withdrawn Lands

Serial Number: NMNM-- 114979

Serial Number: NMNM-- 114979

Act Date	Act Code	Action Txt	Action Remarks	Pending Off
10/04/2005	299	PROTEST FILED	FOREST GUARDIANS;	
10/18/2005	387	CASE ESTABLISHED	200510041;	
10/19/2005	191	SALE HELD		
10/19/2005	267	BID RECEIVED	\$192000.00;	
11/18/2005	298	PROTEST DISMISSED		
11/28/2005	237	LEASE ISSUED		
11/28/2005	874	AUTOMATED RECORD VERIF	BTM	
12/01/2005	496	FUND CODE	05;145003	
12/01/2005	530	RLTY RATE - 12 1/2%		
12/01/2005	888	EFFECTIVE DATE		
03/20/2006	983	CASE MICROFILMED/SCANNED		
03/25/2006	139	ASGN APPROVED	EFF 02/01/09;	
09/28/2007	140	ASGN FILED	J BAR CAN/POGO PROD;1	
11/14/2007	139	ASGN APPROVED	EFF 10/01/07;	
11/14/2007	974	AUTOMATED RECORD VERIF	MV	
05/01/2008	140	ASGN FILED	POGO PRODUC/OXY USA;1	
05/01/2008	932	TRF OPER RGTS FILED	POGO PRODUC/OXY USA;1	
08/13/2008	139	ASGN APPROVED	EFF 06/01/2008;	

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**Bureau of Land Management
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972**

**Mesa Verde BS & WC Unit Wells (see list below)
NMNM137096X & NMNM137099X**

OXY USA Inc.

August 21, 2018

Condition of Approval

Pool Lease/Unit Commingling of Bone Spring and Wolfcamp Production

1. *This approval is subject to like approval by the New Mexico Oil Conservation Division.*
2. *This agency shall be notified of any spill or discharge as required by NTL-3A.*
3. *This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.*
4. *This approval does not constitute right-of-way approval for any off-lease activities. Within 30 days, an application for right-of-way approval must be submitted to the Realty Section if not already done.*
5. *Approval for combining production from various sources is a privilege which is granted to lessees for the purpose of aiding conservation and extending the economic life of leases. Applicants should be cognizant that failure to operate in accordance with the provisions outlined in the Authorized Officer's conditions of approval and/or subsequent stipulations or modifications will subject such approval to revocation.*
6. *Gas measurement for allocation must be measured as per Onshore Order #5 or 43 CFR 3175 and API requirements for sales meters, or as approved in this approval to commingle production.*
7. *Oil measurement for allocation must be measured as per Onshore Order #4 or 43 CFR 3174 and API requirements for oil measurement, or as approved in this approval to commingle production.*
8. *All gas and oil subject to royalty shall be measured as per federal regulations and shall be reported to ONRR as required. All gas which is vented, flared or used on lease shall be reported as per 43 CFR 3179 to ONRR. All gas which is vented or flared shall be subject to royalty, unless prior approval was given by the authorized officer. These volumes are royalty bearing and shall be reported on OGOR "B" as disposition code "33" for royalty-bearing flared gas and disposition code 63 for royalty-bearing vented gas.
DC 33 = Flared gas – royalty due
DC 63 = Vented gas – royalty due*
9. *This agency shall be notified of any change in sales method or location of sales point.*
10. *Additional wells and/or leases/CAs require additional commingling approvals.*
11. *Notify this office 24 Hrs. prior to any meter proving to allow time for an inspector to witness.*
12. *Submit gas and oil meter numbers upon installation of meters and also provide updated facility diagram with meters numbers.*

13. Coriolis meters (CMS) will be proven, as per API, BLM, and NMOCD specifications, when installed, once per month for the first 3 months (to establish a consistent repeatability factor), and then CMS meter proving frequency requirement will be as per applicable BLM regulations, notwithstanding further guidance from the local BLM authorized officer. The factor obtained will be used to allocate the production volumes.
14. This approval does not authorize any by passes around any allocation meter or metering separator, this is to include the use of headers to divert production other production equipment other than the approve measurement points.

15. OXYUSA INC request the option to add wells as related to Bone Springs Unit NMNM137096X and Wolfcamp Unit NMNM137099X within the approved Unit boundary to this permit be renewed without submittal of an additional request. This request is approved, as long as the unit boundaries do not change or the royalty value of the production between the two formations remain the same.

Well Name

Formations

Mesa Verde BS Unit #1, 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22H,23H,24H

BONESPRINGS

Mesa Verde WC Unit #1

WOLFCAMP

NMNM137096X – Federal interest is 90.76% and State is 9.24%

NMNM137099X - Federal interest is 90.76% and State is 9.24%

Federal Leases in both units are NMNM016353, NMNM66925, NMNM90812, NMNM113965, NMNM114979 all 12.5% Royalty rate and NMNM55953 which has a 16 2/3% Royalty Rate.