

RECEIVED: <u>04/04/2019</u>	REVIEWER: <u>MAM</u>	TYPE: <u>PC</u>	APP NO: <u>P1MAM1909446056</u>
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: EOG Resources, Inc. **OGRID Number:** 7377
Well Name: Jolly Roger 16 State 302H and other wells **API:** 30-025-44622
Pool: Red Hills; Bone Spring, North **Pool Code:** 96434

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
 A. Location – Spacing Unit – Simultaneous Dedication
 NSL NSP (PROJECT AREA) NSP (PRORATION UNIT) SD
- B. Check one only for [I] or [II]
 [I] Commingling – Storage – Measurement
 DHC CTB PLC PC OLS OLM
 [II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

FOR OCD ONLY	
<input type="checkbox"/>	Notice Complete
<input type="checkbox"/>	Application Content Complete

- 2) **NOTIFICATION REQUIRED TO:** Check those which apply.
- A. Offset operators or lease holders
 - B. Royalty, overriding royalty owners, revenue owners
 - C. Application requires published notice
 - D. Notification and/or concurrent approval by SLO
 - E. Notification and/or concurrent approval by BLM
 - F. Surface owner
 - G. For all of the above, proof of notification or publication is attached, and/or,
 - H. No notice required

3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

~~Note: Statement must be completed by an individual with managerial and/or supervisory capacity.~~

Sarah Mitchell

Print or Type Name

Sarah Mitchell

Signature

4/4/19
Date

432-848-9133

Phone Number

Sarah_mitchell@eogresources.com

e-mail Address

APPLICATION FOR SURFACE POOL/LEASE COMMINGLING - BLM

EOG Resources, Inc. ("EOG") respectfully requests approval to surface pool/lease commingle oil & gas from the following wells:

Well Name	Location	API #	Pool	Status	Oil BPD	BTU
JOLLY ROGER 16 STATE #302H	C-16-24S-34E	30-025-44622	Red Hills; Bone Spring South [96434]	Permitted	*1900	*1333
JOLLY ROGER 16 STATE #303H	C-16-24S-34E	30-025-44623	Red Hills; Bone Spring South [96434]	Permitted	*1900	*1333
JOLLY ROGER 16 STATE #705H	M-16-24S-34E	30-025-45377	Antelope Ridge; Wolfcamp [2220]	Permitted	*1900	*1333
JOLLY ROGER 16 STATE #706H	M-16-24S-34E	30-025-45378	Antelope Ridge; Wolfcamp [2220]	Permitted	*1900	*1333
JOLLY ROGER 16 STATE #707H	N-16-24S-34E	30-025-45379	Antelope Ridge; Wolfcamp [2220]	Permitted	*1900	*1333
JOLLY ROGER 16 STATE #708H	N-16-24S-34E	30-025-45380	Antelope Ridge; Wolfcamp [2220]	Permitted	*1900	*1333

*projected, pending completion

GENERAL INFORMATION :

- State of New Mexico Lease NM VB-1744-0001 covers 320.00 acres, being the W2 of Section 16 in Township 24 South, Range 34 East, Lea County, New Mexico.
- An application to commingle production from the subject wells is being submitted to the NMOCD and the New Mexico State Land Office.
- Ownership is identical in each of the subject wells
- Enclosed herewith is (1) a map that displays the leases, the location of the subject wells, and the proposed CTB, (2) a process flow diagram, (3) and the C-102 plat for each of the wells.

PROCESS AND FLOW DESCRIPTIONS:

The production from each well will flow into a dedicated 3-phase separator. The production stream will be separated into 3 independent streams (gas, oil, and water) by the separator and each stream will be measured individually after it exits the separator. The gas will be measured using a senior orifice meter and used to allocate total volume measured at the facility check meter, high pressure flare meter, and low pressure flare meter.

JOLLY ROGER 16 STATE #302H gas allocation meter is an Emerson orifice meter (S/N *67626901)

JOLLY ROGER 16 STATE #303H gas allocation meter is an Emerson orifice meter (S/N *67626902)

JOLLY ROGER 16 STATE #705H gas allocation meter is an Emerson orifice meter (S/N *67626903)

JOLLY ROGER 16 STATE #706H gas allocation meter is an Emerson orifice meter (S/N *67626904)

JOLLY ROGER 16 STATE #707H gas allocation meter is an Emerson orifice meter (S/N *67626905)

JOLLY ROGER 16 STATE #708H gas allocation meter is an Emerson orifice meter (S/N *67626906)

The oil from the separators will be measured using a Coriolis meter.

JOLLY ROGER 16 STATE #302H oil allocation meter is a FMC Coriolis meter (S/N *10-74889)

JOLLY ROGER 16 STATE #303H oil allocation meter is a FMC Coriolis meter (S/N *10-74890)

JOLLY ROGER 16 STATE #705H oil allocation meter is a FMC Coriolis meter (S/N *10-76352)

JOLLY ROGER 16 STATE #706H oil allocation meter is a FMC Coriolis meter (S/N *10-76353)

JOLLY ROGER 16 STATE #707H oil allocation meter is a FMC Coriolis meter (S/N *10-76354)

JOLLY ROGER 16 STATE #708H oil allocation meter is a FMC Coriolis meter (S/N *10-76355)

The water will be measured using a vortex meter. The water from each separator is combined in a common header and flows into (2) 750 barrel coated steel tanks. Guided wave radar is used to measure water volumes in these tanks. The oil from each separator will be combined into a common header and flow into a heated horizontal separator (HHS) to aid separation of water entrained in the oil. Water from the heated separator flows into the common water header connected to the (2) 750 barrel water tanks. The water is then pumped and/or trucked to a salt water disposal well. The oil from the heated separator flows through a vapor recovery tower (VRT) where gas is allowed to breakout at a lower pressure, and then the oil flows into (4) 750 barrel coated steel tanks. Guided wave radar is used to measure water and oil volumes in these tanks. Oil is pumped out of the tanks through a Coriolis meter into a truck or a pipeline. Every tank utilizes a guided wave radar to determine the volume of product in each. After the gas from each separator is measured it is combined into a common header. The gas from the heated separator also flows into this header. The gas flows through the header to a custody transfer orifice meter (#*67626951) that serves as our lease production meter. If the pipeline is experiencing problems and cannot take any gas, the gas will flow through the high pressure flare meter (#*67626956) to the flare. If an individual well needed to be flared for any operation reason it will be manually routed through the individual well flare meter (#*67626957) to the flare. The overhead gas from the vapor recovery tower is compressed by a vapor recovery compressor and then measured by a custody transfer Emerson orifice meter (#*67626986). The gas from the vapor recovery system combines with the gas from the lease production meter and flows into our gas gathering pipeline system.

*Meter numbers will be provided upon installation of meters and completion of the facility.

FACILITY NAME: JOLLY ROGER 16 STATE CTB

WELL NAME:
JOLLY ROGER 16 STATE #302H
API NUMBER:
30-025-44622

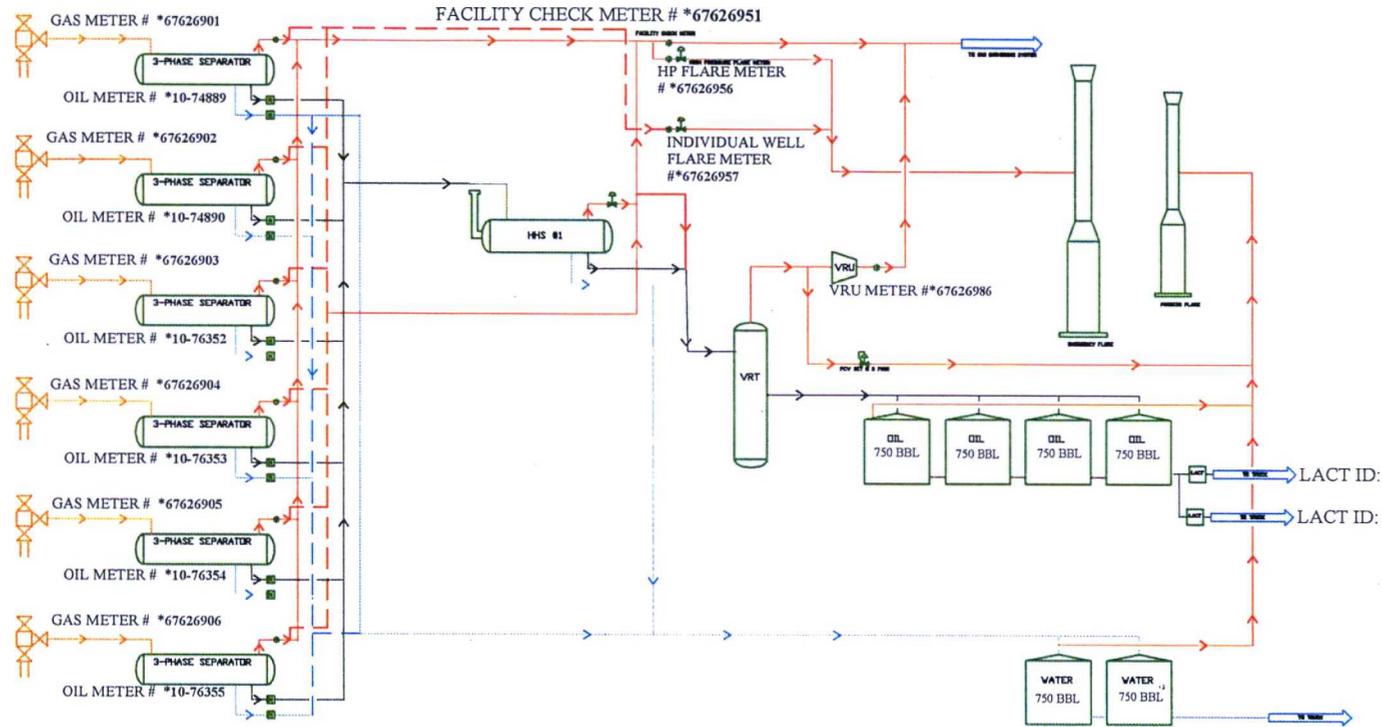
WELL NAME:
JOLLY ROGER 16 STATE #303H
API NUMBER:
30-025-44623

WELL NAME:
JOLLY ROGER 16 STATE #705H
API NUMBER:
30-025-45377

WELL NAME:
JOLLY ROGER 16 STATE #706H
API NUMBER:
30-025-45378

WELL NAME:
JOLLY ROGER 16 STATE #707H
API NUMBER:
30-025-45379

WELL NAME:
JOLLY ROGER 16 STATE #708H
API NUMBER:
30-025-45380



JOLLY ROGER 16 STATE CTB PROCESS FLOW		
EDG RESOURCES MIDLAND DIVISION	BY: EPF	rev. 00 03/06/20

APPLICATION FOR, COMMINGLING AT A COMMON CENTRAL TANK BATTERY

Proposal **Jolly Roger 16 CTB**:

EOG Resources, Inc. is requesting approval to commingle the following wells in a common central tank battery:

State Lease # NM VB-1744-0001

Well Name	Location	API #	Pool	Oil BPD	Gravities	MSCFPD	BTU
JOLLY ROGER 16 STATE #302H	C-16-24S-34E	30-025-44622	Red Hills; Bone Spring, North [96434]	*1900	*44	*3200	*1333
JOLLY ROGER 16 STATE #303H	C-16-24S-34E	30-025-44623	Red Hills; Bone Spring, North [96434]	*1900	*44	*3200	*1333
JOLLY ROGER 16 STATE #705H	M-16-24S-34E	30-025-45377	Antelope Ridge; Wolfcamp [2220]	*1900	*44	*3200	*1333
JOLLY ROGER 16 STATE #706H	M-16-24S-34E	30-025-45378	Antelope Ridge; Wolfcamp [2220]	*1900	*44	*3200	*1333
JOLLY ROGER 16 STATE #707H	N-16-24S-34E	30-025-45379	Antelope Ridge; Wolfcamp [2220]	*1900	*44	*3200	*1333
JOLLY ROGER 16 STATE #708H	N-16-24S-34E	30-025-45380	Antelope Ridge; Wolfcamp [2220]	*1900	*44	*3200	*1333

*Estimated numbers for these wells; will provide actual numbers once these wells are producing.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

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MAR 14 2019

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44622		² Pool Code 96434	³ Pool Name Red Hills; Bone Spring, North
⁴ Property Code 40398	⁵ Property Name JOLLY ROGER 16 STATE		⁶ Well Number #302H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3554'

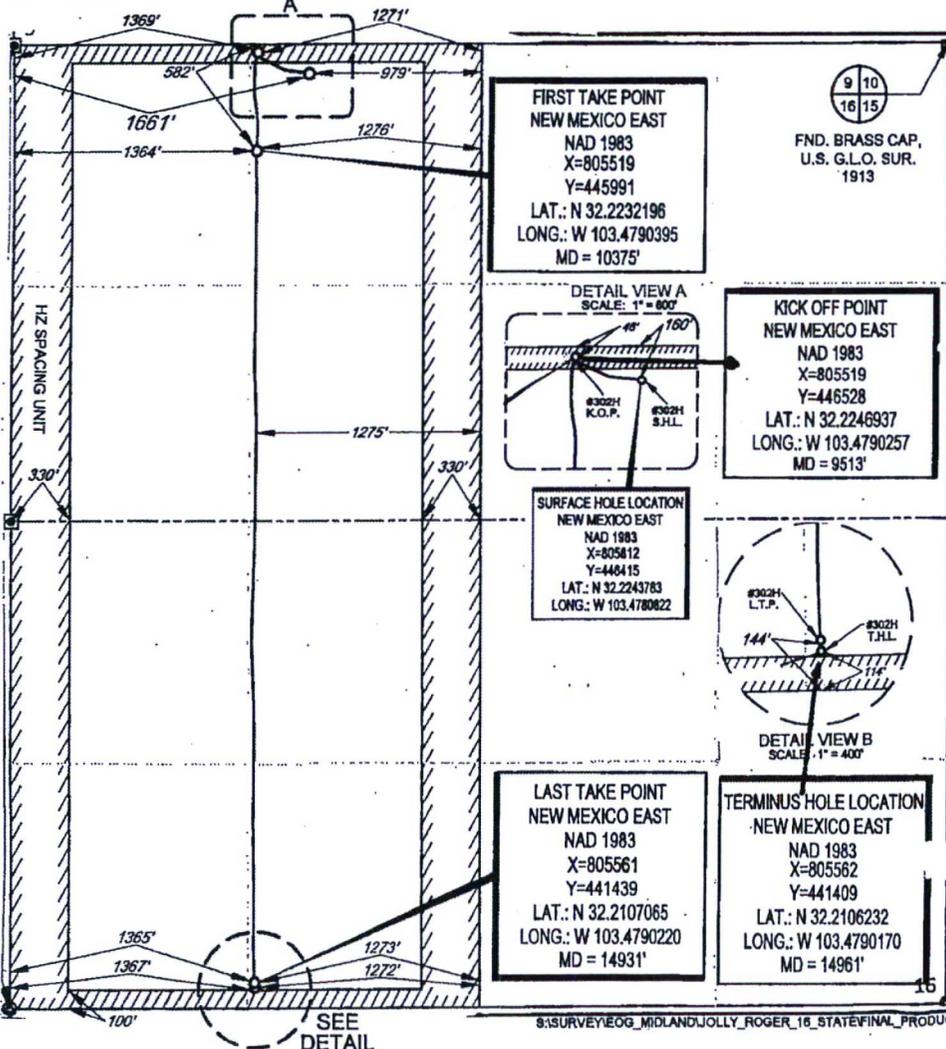
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	16	24-S	34-E	-	160'	NORTH	1661'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	16	24-S	34-E	-	114'	SOUTH	1367'	WEST	LEA

¹² Dedicated Acres 320'	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be **SEE** this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



17 OPERATOR CERTIFICATION

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

Signature: Kay Maddox Date: 3/11/19

Printed Name: KAY MADDOX

E-mail Address: _____

18 SURVEYOR CERTIFICATION

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

Date of Survey: 02/10/2018

Signature and Title: [Signature]
Professional Surveyor

Certificate Number: 18329

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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811 S. First St., Artesia, NM 88210
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State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis
Santa Fe, NM 87505

FORM C-10:
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 44623		² Pool Code 96434	³ Pool Name Red Hills; Bone Spring, North
⁴ Property Code 40398	⁵ Property Name JOLLY ROGER 16 STATE		⁶ Well Number #303H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3554'

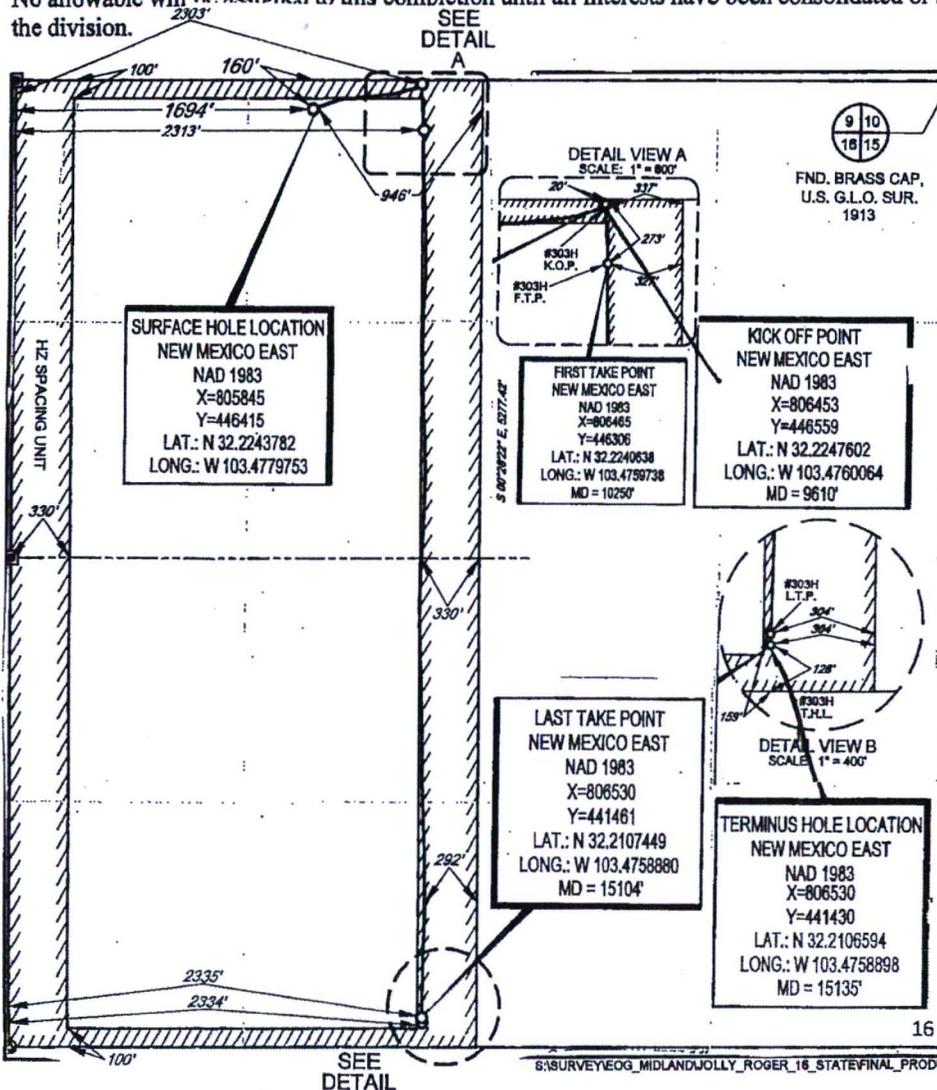
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	16	24-S	34-E	-	160'	NORTH	1694'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	16	24-S	34-E	-	128'	SOUTH	2334'	WEST	LEA

¹¹ Dedicated Acres 320	¹² Joint or Infill	¹³ Consolidation Code	¹⁴ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



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

Signature: Kay Maddox Date: 3/11/19
Printed name: KAY MADDOX
E-mail Address: _____

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

Date of Survey: 02/10/2018
Signature and Title: M. C. BROWN
Professional Surveyor
Certificate Number: 18329

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Santa Fe, NM 87505

FORM C-102
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

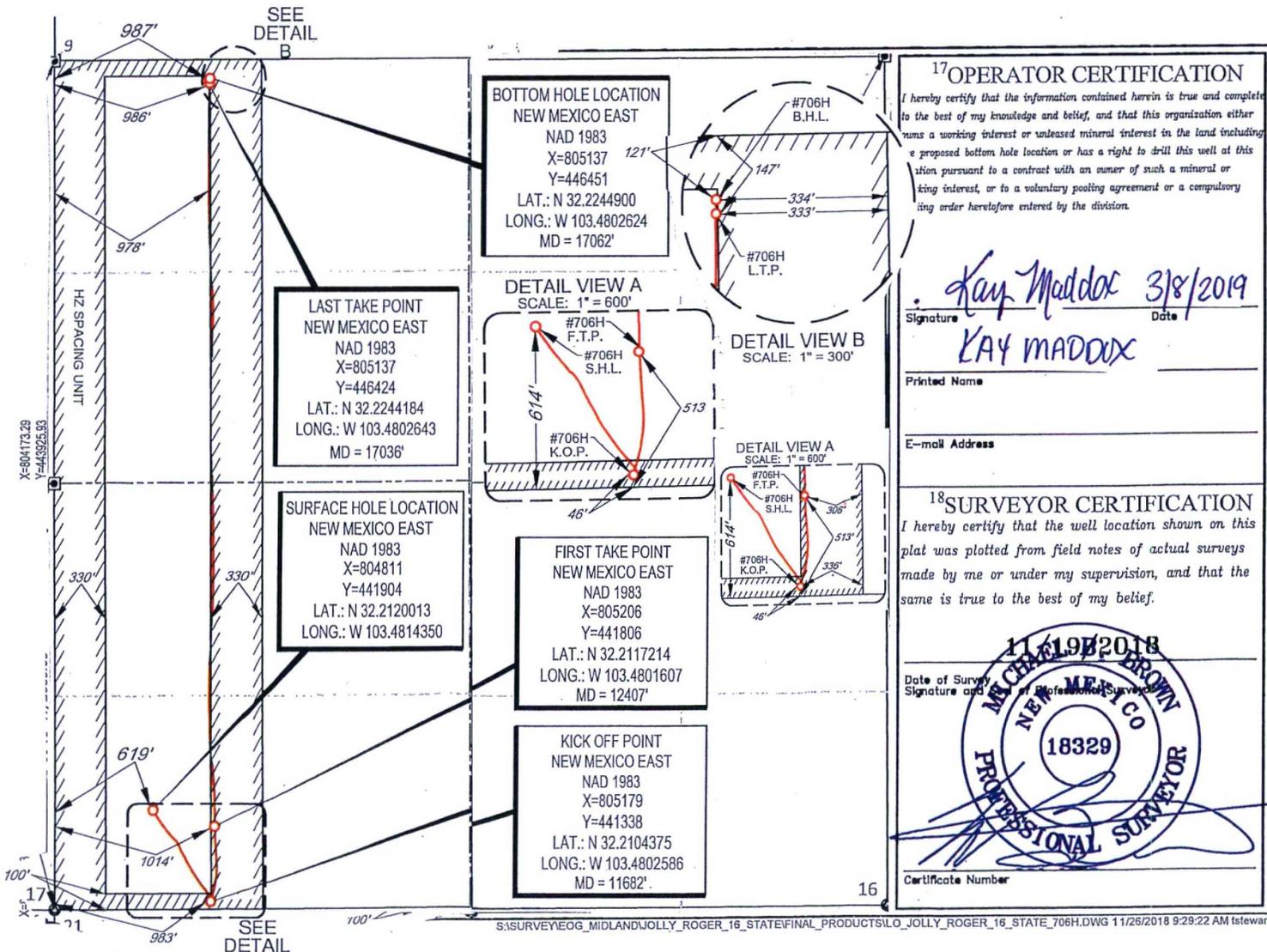
¹ API Number 30-025- 45378	² Pool Code 2220	³ Pool Name Antelope Ridge; Wolfcamp
⁴ Property Code 40398	⁵ Property Name JOLLY ROGER 16 STATE	
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁶ Well Number #706H ⁹ Elevation 3536'

¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	16	24-S	34-E	-	614'	SOUTH	619'	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	16	24-S	34-E	-	121'	NORTH	987'	WEST	LEA

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 45379	² Pool Code 2220	³ Pool Name Antelope Ridge; Wolfcamp
⁴ Property Code 40398	⁵ Property Name JOLLY ROGER 16 STATE	
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁶ Well Number #707H
		⁹ Elevation 3530'

¹⁰Surface Location

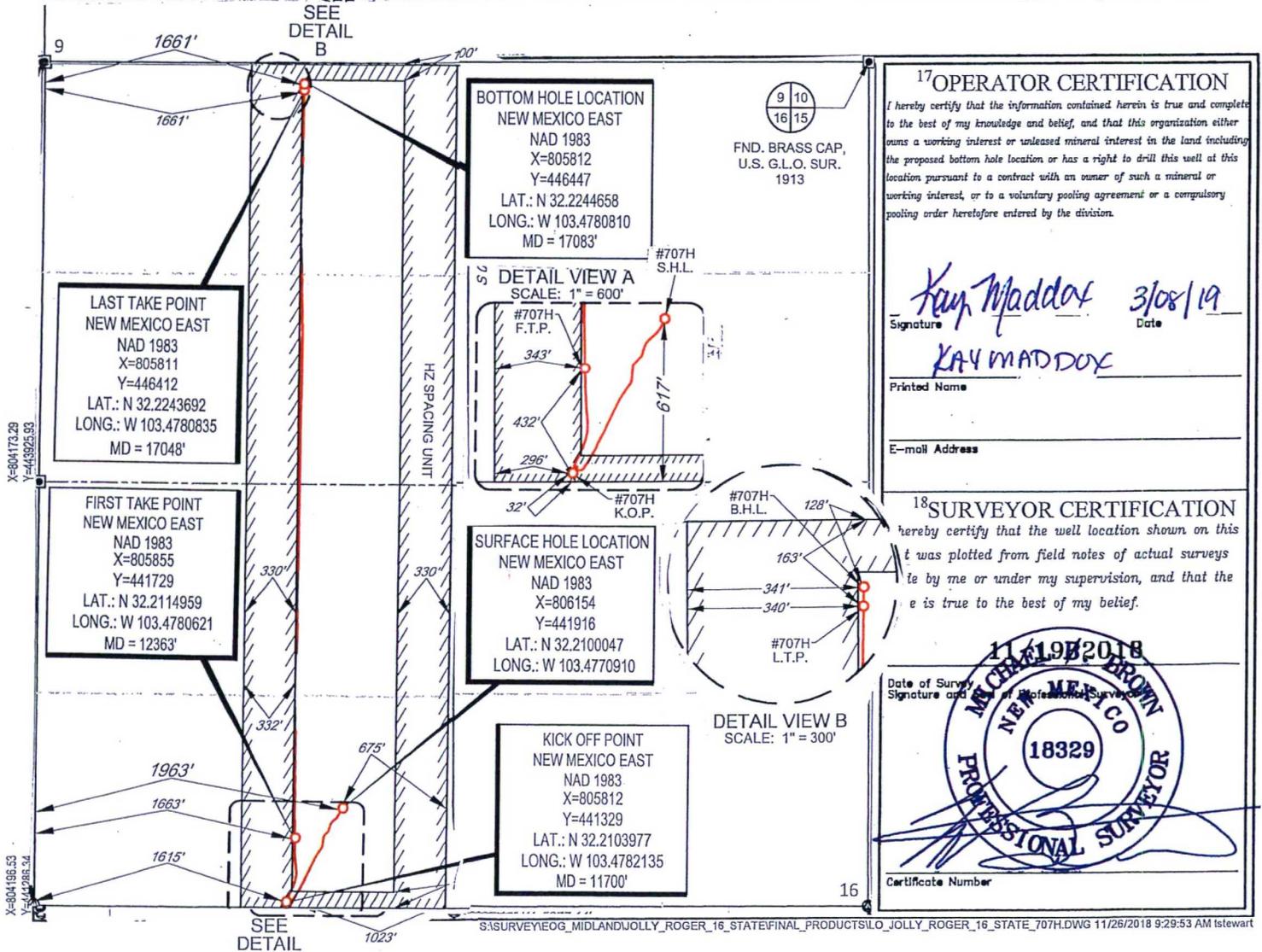
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	16	24-S	34-E	-	617'	SOUTH	1963'	WEST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	16	24-S	34-E	-	128'	NORTH	1661'	WEST	LEA

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



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¹ API Number 30-025-	² Pool Code 2220	³ Pool Name Antelope Ridge; Wolfcamp
⁴ Property Code 40398	⁵ Property Name JOLLY ROGER 16 STATE	
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁶ Well Number #708H
		⁹ Elevation 3530'

¹⁰Surface Location

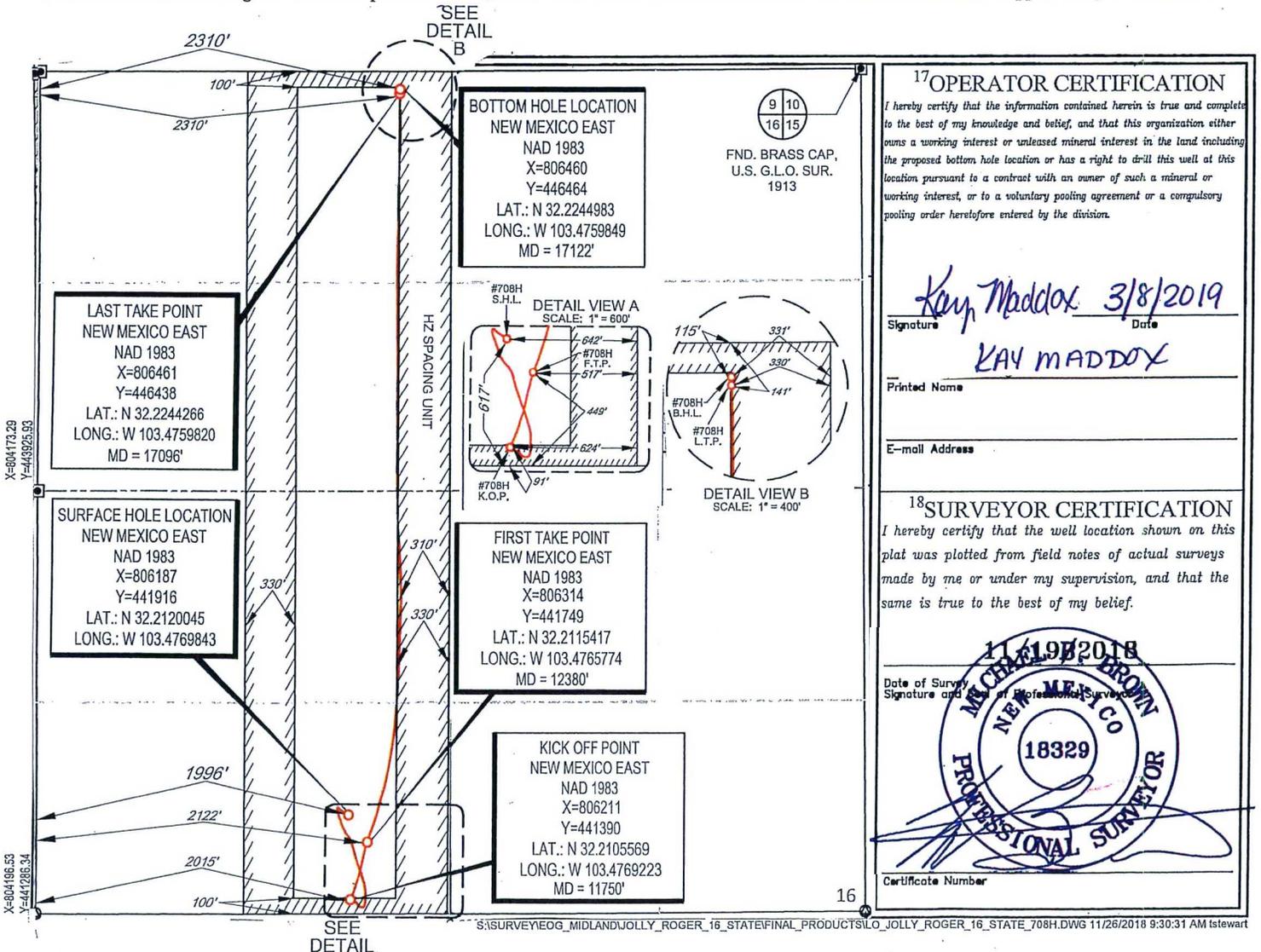
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	16	24-S	34-E	-	617'	SOUTH	1996'	WEST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	16	24-S	34-E	-	115'	NORTH	2310'	WEST	LEA

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



¹⁷OPERATOR CERTIFICATION

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

Signature: *Kay Maddox* Date: 3/8/2019

Printed Name: KAY MADDOX

E-mail Address:

¹⁸SURVEYOR CERTIFICATION

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

Date of Survey: 11/16/2018
Signature and Title of Professional Surveyor:



Certificate Number:



P.O. Box 2267, Midland, Texas 79702
Phone: (432) 686-3720

Date: March 25, 2019

To: State of New Mexico Oil Conservation Division
New Mexico State Land Office

Re: Surface Pool Commingling Application; Jolly Roger 16 CTB: Jolly Roger
16 Sate 302H, 303H, 705H, 706H, 707H, 708H

To whom it may concern:

This letter serves to notice you that the ownership of the following wells is identical in working, royalty, overriding royalty interest and percentages as defined in 19.15.12.7 NMAC:

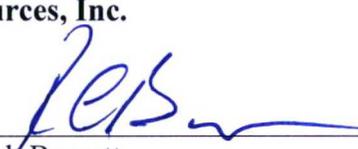
Well Name	Location	API #	Pool	Status
JOLLY ROGER 16 STATE #302H	C-16-24S-34E	30-025-44622	Red Hills; Bone Spring South [96434]	Permitted
JOLLY ROGER 16 STATE #303H	C-16-24S-34E	30-025-44623	Red Hills; Bone Spring South [96434]	Permitted
JOLLY ROGER 16 STATE #705H	M-16-24S-34E	30-025-45377	Antelope Ridge; Wolfcamp [2220]	Permitted
JOLLY ROGER 16 STATE #706H	M-16-24S-34E	30-025-45378	Antelope Ridge; Wolfcamp [2220]	Permitted
JOLLY ROGER 16 STATE #707H	N-16-24S-34E	30-025-45379	Antelope Ridge; Wolfcamp [2220]	Permitted
JOLLY ROGER 16 STATE #708H	N-16-24S-34E	30-025-45380	Antelope Ridge; Wolfcamp [2220]	Permitted

I certify that this information is true and correct to the best of my knowledge.

Sincerely,

EOG Resources, Inc.

By: _____


Chuck Bassett
Land Specialist