

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  
**OIL CONSERVATION DIVISION**  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

Form C-103  
 Revised July 18, 2013

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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. <b>30-025-43129</b>
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator <b>EOG Resources, Inc.</b>		6. State Oil & Gas Lease No.
3. Address of Operator <b>P.O. Box 2267 Midland, TX 79702</b>		7. Lease Name or Unit Agreement Name <b>Nautilus 16 State Com</b>
4. Well Location Unit Letter <b>D</b> ; <b>439</b> feet from the <b>North</b> line and <b>751</b> feet from the <b>West</b> line Section <b>16</b> Township <b>26S</b> Range <b>34E</b> NMPM County <b>Lea</b>		8. Well Number <b>703H</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3341' GR</b>		9. OGRID Number <b>7377</b>
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data		10. Pool name or Wildcat <b>*WC-025 G-09 S263416B; Upper Wolfcamp</b>

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

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL. <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <input checked="" type="checkbox"/> <b>Surface Commingle</b>		<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>	
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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.

EOG Resources requests permission to surface pool/lease commingle production from the wells listed below and future wells within the same pools at a central tank battery.

- Nautilus 16 State Com 703H 30-025-43129 WC-025 G-09 S263416B Upper Wolfcamp (98105)
- Nautilus 16 State Com 704H 30-025-43130 WC-025 G-09 S263416B Upper Wolfcamp (98105)
- Nautilus 16 State Com 710H 30-025-43899 WC-025 G-09 S263416B Upper Wolfcamp (98105)
- Nautilus 16 State Com 711H 30-025-43900 WC-025 G-09 S263416B Upper Wolfcamp (98105)

Identical ownership, 2 COMS, 2 State leases, same pools.  
 Detailed information is attached.  
 Concurrent approval from NMSLO is being requested.

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 Stan Wagner TITLE Regulatory Analyst DATE 8/01/2017  
 Type or print name Stan Wagner E-mail address: \_\_\_\_\_ PHONE: 432-686-3689  
**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 Conditions of Approval (if any):

*Michael M. McMillan*



EOG Resources, Inc.  
5509 Champions Drive  
Midland, Texas 79706  
(432) 686-3600

Date: July 25, 2017  
To: State of New Mexico Oil Conservation Division  
Re: Surface Pool/Lease Commingling Application; Nautilus 16 State Com  
#703H, #704H, #710H, #711H

To whom it may concern:

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

	API	WELL NAME	WELL #	LOCATION	POOL CODE/NAME	STATUS
1	30-025-43129	NAUTILUS 16 STATE COM	#703H	D-16-26S-34E	[98105] WC-025 G-09 S263416B; UPPER WOLFCAMP	Producing
2	30-025-43130	NAUTILUS 16 STATE COM	#704H	D-16-26S-34E	[98105] WC-025 G-09 S263416B; UPPER WOLFCAMP	Producing
3	30-025-43899	NAUTILUS 16 STATE COM	#710H	C-16-26S-34E	[98105] WC-025 G-09 S263416B; UPPER WOLFCAMP	Permitted
4	30-025-43900	NAUTILUS 16 STATE COM	#711H	C-16-26S-34E	[98105] WC-025 G-09 S263416B; UPPER WOLFCAMP	Permitted

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

EOG Resources, Inc.

By: Paul Boland  
Paul Boland  
Sr. Landman

## APPLICATION FOR SURFACE POOL/LEASE COMMINGLING

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

	API	WELL NAME	WELL #	LOCATION	POOL CODE/NAME	STATUS	OIL API	GAS BTU
1	30-025-43129	NAUTILUS 16 STATE COM	#703H	D-16-26S-34E	[98105] WC-025 G-09 S263416B; UPPER WOLFCAMP	Producing	44	1333/cft
2	30-025-43130	NAUTILUS 16 STATE COM	#704H	D-16-26S-34E	[98105] WC-025 G-09 S263416B; UPPER WOLFCAMP	Producing	44	1333/cft
3	30-025-43899	NAUTILUS 16 STATE COM	#710H	C-16-26S-34E	[98105] WC-025 G-09 S263416B; UPPER WOLFCAMP	Permitted	44*	1333/cft*
4	30-025-43900	NAUTILUS 16 STATE COM	#711H	C-16-26S-34E	[98105] WC-025 G-09 S263416B; UPPER WOLFCAMP	Permitted	44*	1333/cft*

\* projected, pending completion

### GENERAL INFORMATION:

- State lease NM V0-8570-1 covers 320 acres, being the N2-16-26S-34E Lea County, New Mexico.
- State lease NM V0-8571-1 covers 320 acres, being the S2-16-26S-34E Lea County, New Mexico.
- The W2W2 of section 16 has been consolidated for the Wolfcamp formation by consolidation agreement dated May 1, 2016.
- The E2W2 of section 16 will be consolidated for the Wolfcamp formation. A state form of consolidation agreement will be submitted to the New Mexico State Land Office for approval.
- The central tank battery that will service the subject wells is located on unit letter A of section 16.
- Ownership of the wells is identical (see landman statement attached).
- The Nautilus 16 State Com #710H is scheduled to spud on 8-2-17 and the Nautilus 16 State Com #711H is scheduled to spud on 8-22-17.
- Attached is (1) a map that displays the location of the subject wells and the proposed CTB, (2) a process flow diagram, and (3) 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.

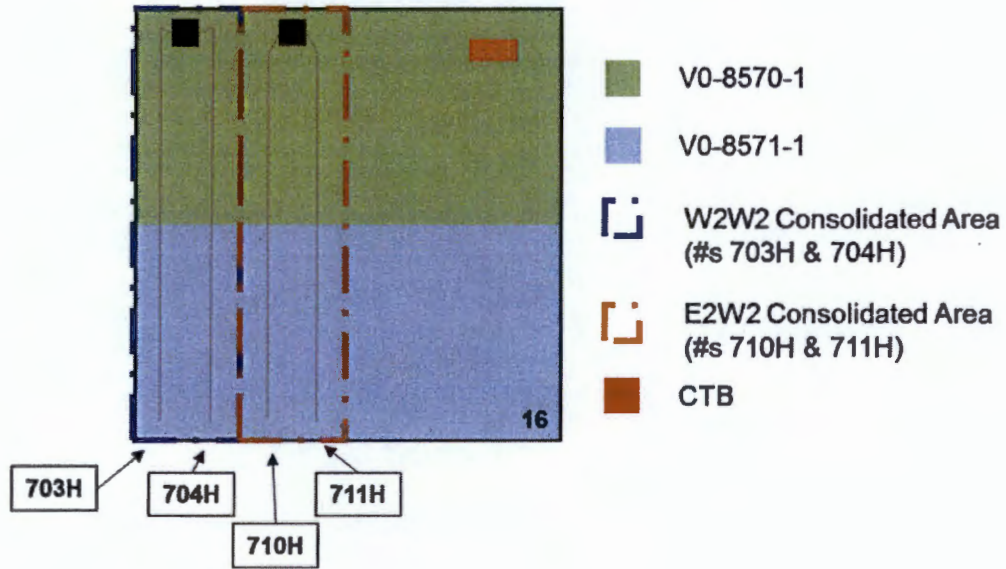
The gas will be measured using a senior orifice meter used to allocate total volume measured at the facility check meter, high pressure flare meter, and low pressure flare meter.

The oil from the separators will be measured using Coriolis meters.

The water will be measured using a vortex meter. The water from each separator is combined in a common header and flows into (4) 500 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 (4) 500 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 (8) 500 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 Emerson orifice meter 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 and low pressure flare meters 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. The gas from the vapor recovery system combines with the gas from the lease production meter and flows into our gas gathering pipeline system.

**Nautilus 16 State Com #703H, #704H, #710H, & #711H  
Section 16-26S-34E, Lea County, NM  
Well Layout and CTB location**



# FACILITY NAME: NAUTILUS 16 NORTH CTB

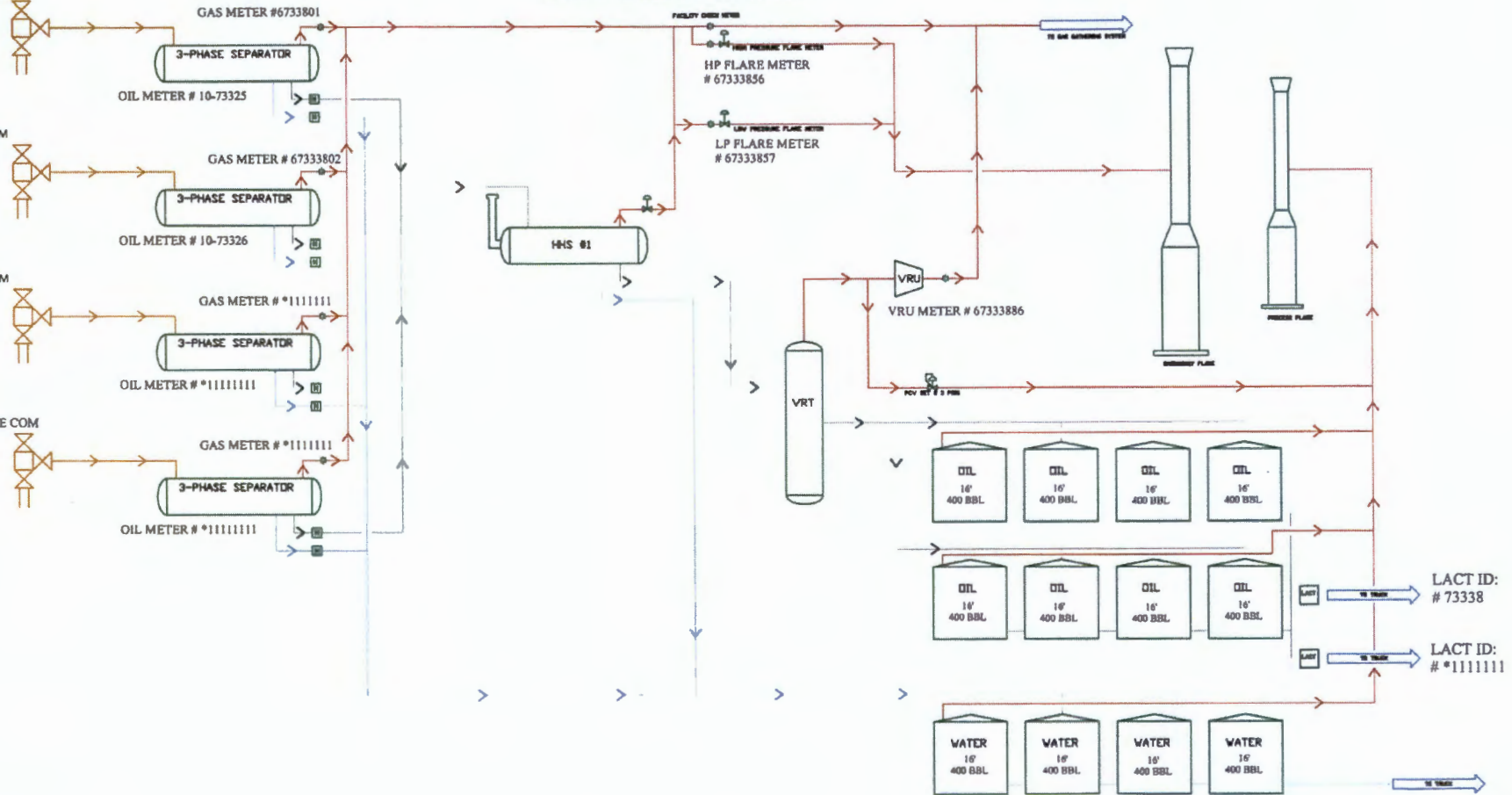
WELL NAME:  
NAUTILUS 16 STATE COM  
#703H  
API NUMBER:  
30-025-43129

WELL NAME:  
NAUTILUS 16 STATE COM  
#704H  
API NUMBER:  
30-025-43130

WELL NAME:  
NAUTILUS 16 STATE COM  
#710H  
API NUMBER:

WELL NAME:  
NAUTILUS 16 STATE COM  
#711H  
API NUMBER:

FACILITY CHECK METER # 67333851



LACT ID:  
# 73338

LACT ID:  
# \*1111111

Gas Orifice Meter

Liquid Meter

\*Test meter numbers will be provided upon installation of meters and completion of the facility.

NAUTILUS 16 NORTH CTB PROCESS FLOW		
EDG RESOURCES MIDLAND DIVISION	BY: BKM	rev. 00 7/18/2017

District I  
1625 N. French Dr., Hobbs, NM 88240  
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District II  
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1000 Rio Brazos Road, Aztec, NM 87410  
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District IV  
1220 S. St. Francis Dr., Sante 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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025- 43130		<sup>2</sup> Pool Code 98105	<sup>3</sup> Pool Name WG-025 G-09 S263416B; Upper Wolfcamp
<sup>4</sup> Property Code 40383	<sup>5</sup> Property Name NAUTILUS 16 STATE COM		<sup>6</sup> Well Number #704H
<sup>7</sup> OGRID No. 7377	<sup>8</sup> Operator Name EOG RESOURCES, INC.		<sup>9</sup> Elevation 3340'

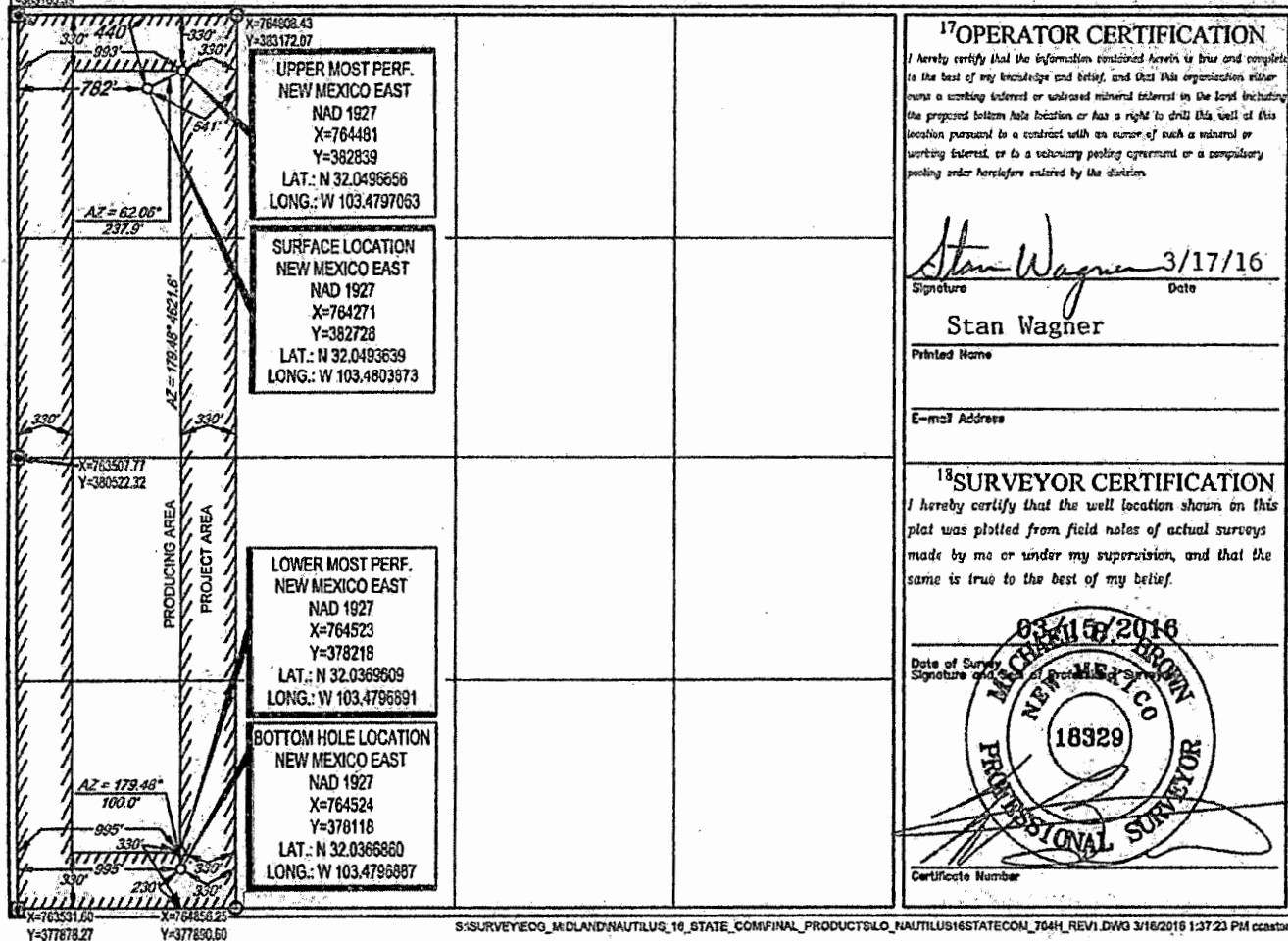
<sup>10</sup> Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	16	26-S	34-E	-	440'	NORTH	782'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	16	26-S	34-E	-	225	SOUTH	982	WEST	LEA

<sup>11</sup> Dedicated Acres 160.00	<sup>12</sup> Joint or Infill	<sup>13</sup> Consolidation Code	<sup>14</sup> 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.

X=763486.22  
Y=383160.38



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Phone: (505) 476-3460 Fax: (505) 476-3462

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FORM C-102  
Revised August 1, 2011  
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025- <b>43 999</b>	<sup>2</sup> Pool Code 98105	<sup>3</sup> Pool Name WC-025 G-09 S2633416B; Upper Wolfcamp
<sup>4</sup> Property Code 40383	<sup>5</sup> Property Name NAUTILUS 16 STATE COM	
<sup>6</sup> OGRID No. 7377	<sup>7</sup> Operator Name EOG RESOURCES, INC.	<sup>8</sup> Well Number #710H <sup>9</sup> Elevation 3330'

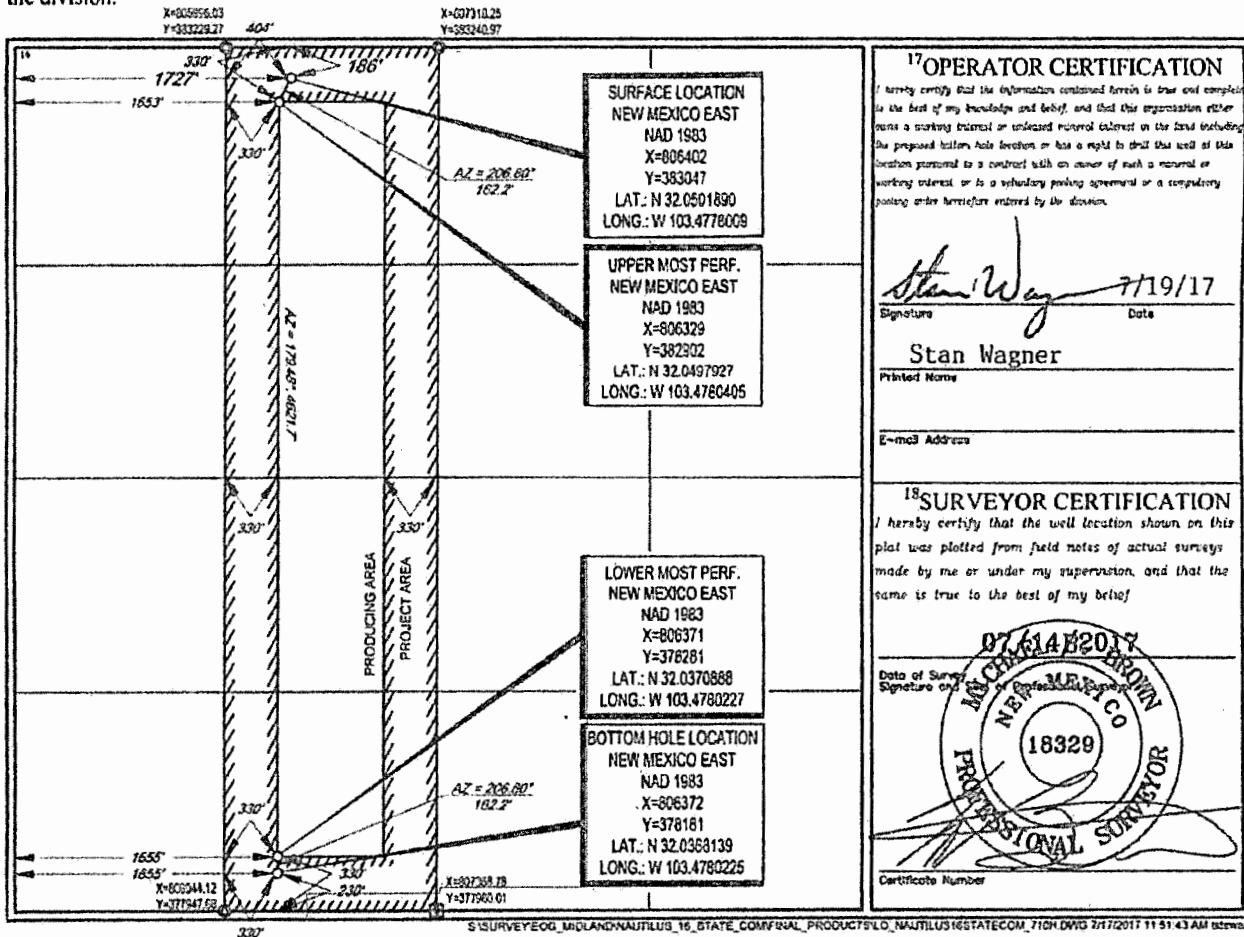
<sup>10</sup>Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	16	26-S	34-E	-	186'	NORTH	1727'	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	26-S	34-E	-	230'	SOUTH	1655'	WEST	LEA

<sup>11</sup> Dedicated Acres 160.00	<sup>12</sup> Joint or Infill	<sup>13</sup> Consolidation Code	<sup>14</sup> 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.



<sup>17</sup>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 undivided mineral interest in the land including the proposed bottom hole location or has a right to drill that well at this location pursuant to a contract with an owner of such a mineral or working interest, or is a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Stan Wagner* 7/19/17  
Signature Date

Stan Wagner  
Printed Name

E-mail Address

<sup>18</sup>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.

07/19/2017  
Date of Survey  
Signature of Professional Surveyor

18329  
Certificate Number



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Energy, Minerals & Natural Resources  
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**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Sante Fe, NM 87505

5/9

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

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-025-43900	Pool Code 98105	Pool Name WC-025 G-09 S263416B; Upper Wolfcamp
Property Code 40383	Property Name NAUTILUS 16 STATE COM	Well Number #711H
GRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3330'

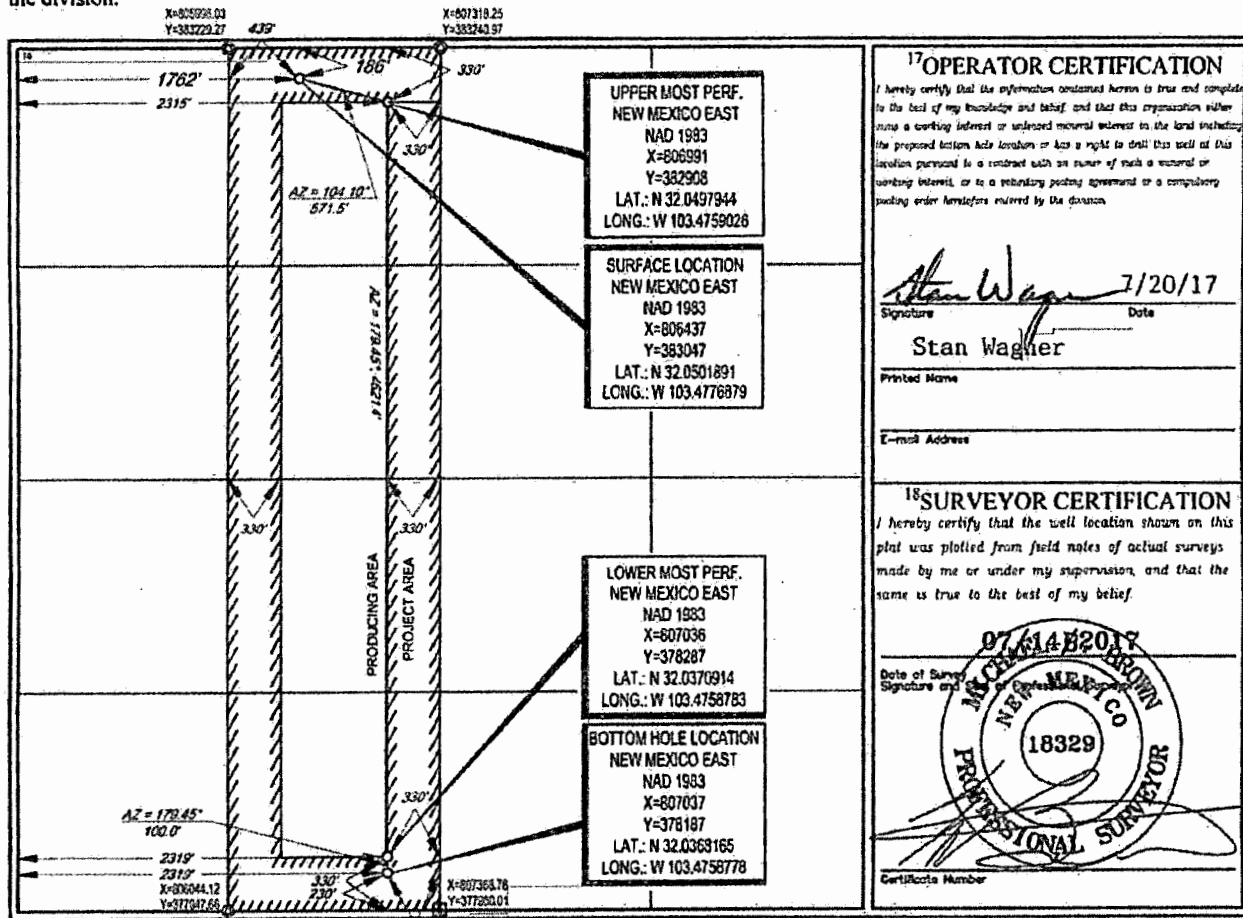
<sup>10</sup>Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	16	26-S	34-E	-	186'	NORTH	1762'	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	26-S	34-E	-	230'	SOUTH	2319'	WEST	LEA

Dedicated Acres 180.00	Joint or Infill	Consolidation Code	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.



<sup>17</sup>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 location 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 secondary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Stan Wagner* 7/20/17  
Signature Date  
Stan Wagner  
Printed Name

E-mail Address

<sup>18</sup>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.

07/14/2017  
Date of Survey  
Signature  
MR. C. BROWN  
NEW MEXICO  
18329  
PROFESSIONAL SURVEYOR  
Certificate Number