

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

WELL API NO. 30-025-44006
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Ophelia 22 Fed Com
8. Well Number 704H
9. OGRID Number 7377
10. Pool name or Wildcat WC-025 G-09 S263327G Upper Wolfcamp

**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.)

1. Type of Well: Oil Well  Gas Well  Other

2. Name of Operator  
EOG Resources, Inc.

3. Address of Operator  
P.O. Box 2267 Midland, TX 79702

4. Well Location  
 Unit Letter D 200 feet from the North line and 644 feet from the West line  
 Section 22 Township 26S Range 33E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3294' GR

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

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

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 well within the same pools at a central tank battery.

Ophelia 22 Fed Com 704H	30-025-44006	WC-025 G-09 S263327G; Upper Wolfcamp (98097)
Ophelia 22 Fed Com 705H	30-025-44007	WC-025 G-09 S263327G; Upper Wolfcamp (98097)
Ophelia 22 Fed Com 706H	30-025-44009	WC-025 G-09 S263327G; Upper Wolfcamp (98097)
Ophelia 22 Fed Com 707H	30-025-44008	WC-025 G-09 S263327G; Upper Wolfcamp (98097)

Identical ownership, 2 COMS, same pools.  
 Detailed information 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 Stan Wagner TITLE Regulatory Analyst DATE 10/03/2017  
 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 McMillan Engineering Bureau*

**Stan Wagner**

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**From:** McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>  
**Sent:** Tuesday, August 01, 2017 12:37 PM  
**To:** Stan Wagner  
**Subject:** Identical contiguous leases,

\*\*External email. Use caution.\*\*

Stan:

the OCD considers contiguous leases with identical ownership as one lease.

Therefore, no surface commingle application is required.

I will place this application in the respective well files.

In the future, send the surface commingle application to Santa Fe, and it will be placed in the well file

Mike

Michael McMillan  
1220 South St. Francis  
Santa Fe, New Mexico  
505-476-3448  
Michael.mcmillan@state.nm.us

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.*

5. Lease Serial No.  
NMNM122622

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

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

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
OPHELIA 22 FED COM 704H

2. Name of Operator  
EOG RESOURCES, INC. Contact: STAN WAGNER  
E-Mail: stan\_wagner@eogresources.com

9. API Well No.  
30-025-44006

3a. Address  
ATTN: STAN WAGNER P.O. BOX 2267  
MIDLAND, TX 79702

3b. Phone No. (include area code)  
Ph: 432-686-3689

10. Field and Pool or Exploratory Area  
WC-025 S263327G UPR WC

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 22 T26S R33E Mer NMP NWNW 200FNL 644FWL

11. County or Parish, State  
LEA COUNTY, NM

**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 Surface Commingling
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recomplete 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 recompletion 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.

EOG Resources requests permission to surface lease/pool commingle production from this well and future wells at a central tank battery. Wells are:

- Ophelia 22 Fed Com 704H 30-025-44006 (98097) WC-025 G-09 S263327G UPR WC
- Ophelia 22 Fed Com 705H 30-025-44007 (98097) WC-025 G-09 S263327G UPR WC
- Ophelia 22 Fed Com 706H 30-025-44009 (98097) WC-025 G-09 S263327G UPR WC
- Ophelia 22 Fed Com 707H 30-025-44008 (98097) WC-025 G-09 S263327G UPR WC

Commingling details attached.

Concurrently being filed with NMOCD.

14. I hereby certify that the foregoing is true and correct.  
Electronic Submission #390149 verified by the BLM Well Information System  
For EOG RESOURCES, INC., sent to the Hobbs

Name (Printed/Typed) STAN WAGNER	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 09/28/2017

**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 _____

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)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***



EOG Resources, Inc.  
5509 Champions Drive  
Midland, Texas 79708  
(432) 686-3600

Date: September 20, 2017  
To: State of New Mexico Oil Conservation Division  
Re: Surface Pool/Lease Commingling Application/Off Lease Measurement;  
Ophelia 22 Fed Com #s 704H-707H

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	30-025-44006	OPHELIA 22 FEDERAL COM	#704H	D-22-26S-33E	[98097] WC-025 G-09 S263327G; UPPER WOLFCAMP	PERMITTED
2	30-025-44007	OPHELIA 22 FEDERAL COM	#705H	D-22-26S-33E	[98180] WC-025 G-09 S253309A; UPPER WOLFCAMP	PERMITTED
3	30-025-44009	OPHELIA 22 FEDERAL COM	#706H	C-22-26S-33E	[98180] WC-025 G-09 S253309A; UPPER WOLFCAMP	PERMITTED
4	30-025-44008	OPHELIA 22 FEDERAL COM	#707H	C-22-26S-33E	[98180] WC-025 G-09 S253309A; UPPER WOLFCAMP	PERMITTED

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

EOG Resources, Inc.

By:   
Paul Boland  
Land Specialist

**APPLICATION FOR SURFACE POOL/LEASE COMMINGLING & OFF LEASE MEASUREMENT-NMOCD**

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

	API	WELL NAME	WELL #	LOCATION	POOL CODE/NAME	STATUS	*OIL API	*GAS BTU
1	30-025-44006	OPHELIA 22 FEDERAL COM	#704H	D-22-26S-33E	[98097] WC-025 G-09 S263327G; UPPER WOLFCAMP	PERMITTED	45	1,100
2	30-025-44007	OPHELIA 22 FEDERAL COM	#705H	D-22-26S-33E	[98180] WC-025 G-09 S253309A; UPPER WOLFCAMP	PERMITTED	45	1,100
3	30-025-44009	OPHELIA 22 FEDERAL COM	#706H	C-22-26S-33E	[98180] WC-025 G-09 S253309A; UPPER WOLFCAMP	PERMITTED	45	1,100
4	30-025-44008	OPHELIA 22 FEDERAL COM	#707H	C-22-26S-33E	[98180] WC-025 G-09 S253309A; UPPER WOLFCAMP	PERMITTED	45	1,100

\* projected, pending completion

**GENERAL INFORMATION:**

- Federal lease NM 122622 covers 1,640 acres, being the NW of Section 22, the E2, N2NW, SWNW, and N2SW of Section 23, the E2 of Section 24 and all of Section 25 in 26S-33E, Lea County, New Mexico.
- EOG is the Lessee of all of the fee interests in 960 acres comprised of the S2 of Section 22, the N2 of Section 27, the S2SW of Section 23, the W2NW of Section 26, the E2SE of Section 21, and the E2NE of Section 28 in 26S-33E, Lea County, New Mexico.
- The W2NW of Section 22 from NM 122622 and the W2SW Section 22 and W2NW Section 27 from the fee leases will be communitized for the Wolfcamp formation. A Fed/Fee form of communitization has been submitted to the Bureau of Land Management for approval.
- The E2NW of Section 22 from NM 122622 and the E2SW of Section 22 and E2NW of Section 27 from the fee leases will be communitized for the Wolfcamp formation. A Fed/Fee form of communitization has been submitted to the Bureau of Land Management for approval.
- The central tank battery to service the subject wells is located in the NWNW of Section 22-26S-33E.
- Ownership is identical in each of the subject wells (see landman statement attached).
- No third party notice is warranted, other than an application and subsequent approval from the BLM and NMOCD. An application to commingle production from the subject wells is being submitted to BLM and the NMOCD.
- 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.

## **OIL AND GAS METERING AND PROCESS AND FLOW DESCRIPTIONS:**

### **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.

OPHELIA 22 FED COM #704H gas allocation meter is an Emerson orifice meter

OPHELIA 22 FED COM #705H gas allocation meter is an Emerson orifice meter

OPHELIA 22 FED COM #706H gas allocation meter is an Emerson orifice meter

OPHELIA 22 FED COM #707H gas allocation meter is an Emerson orifice meter

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

OPHELIA 22 FED COM #704H oil allocation meter is a FMC Coriolis meter

OPHELIA 22 FED COM #705H oil allocation meter is a FMC Coriolis meter

OPHELIA 22 FED COM #706H oil allocation meter is a FMC Coriolis meter

OPHELIA 22 FED COM #707H oil allocation meter is a FMC Coriolis meter

The water will be measured using a turbine meter. The water from each separator is combined in a common header and flows into (4) 400 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) 400 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) 400 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.

District I  
1625 N French Dr. H. Co. NM 88241  
Phone (575) 351-016 Fax (575) 351-070  
District II  
811 S First St. Artes. NM 88210  
Phone (575) 748-1283 Fax (575) 748-1721  
District III  
1000 Rio Brazos Road, Artes, NM 8741  
Phone (505) 334-6178 Fax (505) 334-1117  
District IV  
1220 S St Francis Dr. Sante Fe, NM 8750  
Phone (505) 476-3441 Fax (505) 476-3447

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- <b>44006</b>	<sup>2</sup> Pool Code 98097	<sup>3</sup> Pool Name WC-025 G-09 S263327G; Upper Wolfcamp
<sup>4</sup> Property Code <b>719669</b>	<sup>5</sup> Property Name OPHELIA 22 FED COM	
<sup>6</sup> GRID No. 7377	<sup>7</sup> Operator Name EOG RESOURCES, INC.	<sup>8</sup> Well Number #704H <sup>9</sup> Elevation 3294'

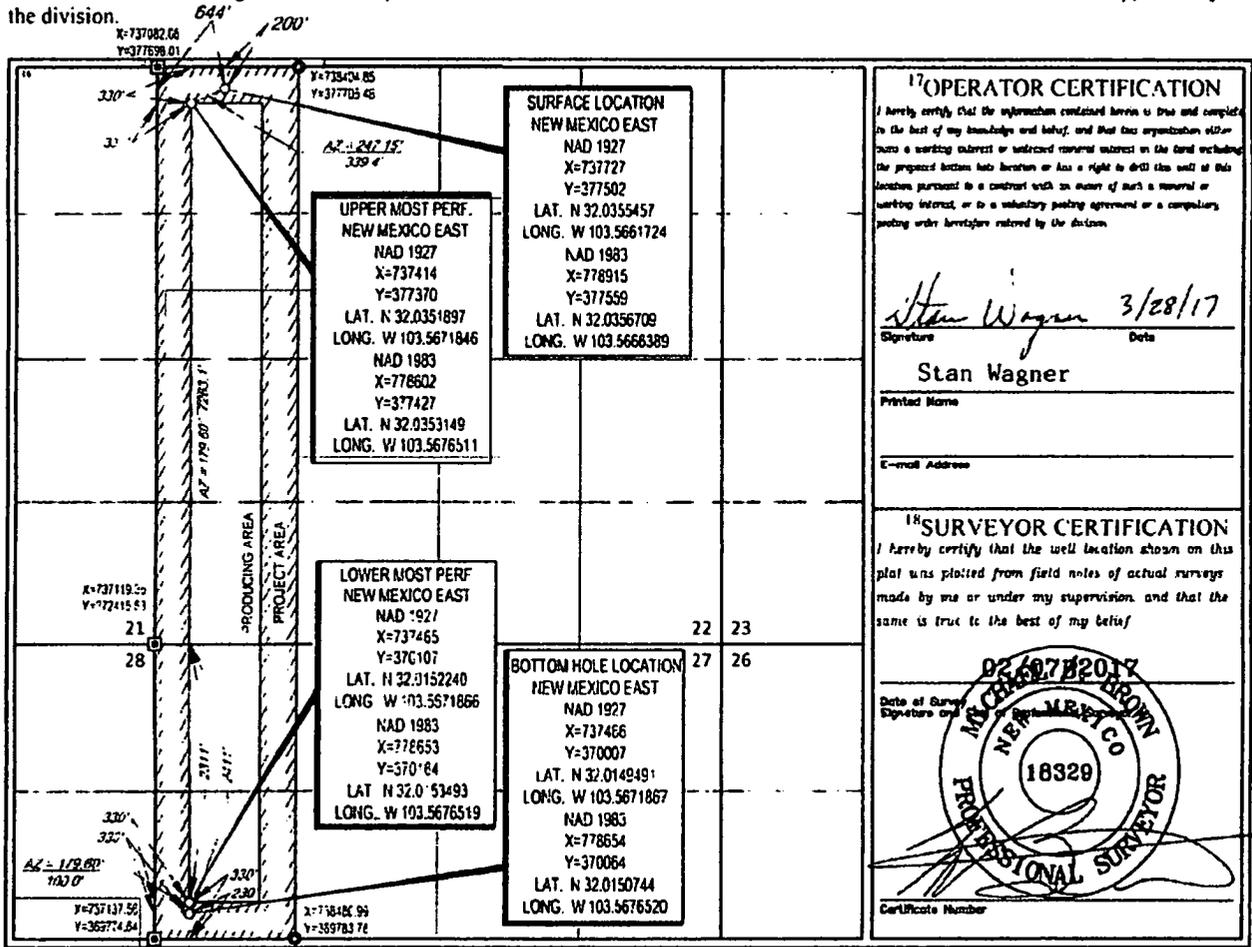
<sup>10</sup>Surface Location

1/1. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	22	26-S	33-E	-	200'	NORTH	644'	WEST	LEA

1/1. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	27	26-S	33-E	-	2411'	NORTH	330'	WEST	LEA

<sup>11</sup> Dedicated Acres 240.00	<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 retained mineral interest in the land including the proposed bottom hole location or has a right to drill the 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.

*Stan Wagner* 3/28/17  
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.

Date of Survey  
Signature of Surveyor

02-07-2017  
MICHAEL BROWN  
NEW MEXICO  
18329  
PROFESSIONAL SURVEYOR

Certificate Number

District I  
1625 N. French Dr. Hobbs, NM 88241  
Phone (505) 393-6161 Fax (505) 393

District II  
811 S. First St. Artesia, NM 88210  
Phone (505) 48-1283 Fax (505) 48-97

District III  
1000 Rio Brazos Road, Aztec, NM 87511  
Phone (505) 334-1178 Fax (505) 334-1170

District IV  
1220 S. St. Francis Dr. Santa Fe, NM 87505  
Phone (505) 476-3464 Fax (505) 476-3467

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

**HOBBS OCD**  
SEP 11 2017  
**RECEIVED**

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- <b>44007</b>		Pool Code 98097	Pool Name WC-025 G-09 S263327G; Upper Wolfcamp
Property Code <b>719669</b>	Property Name OPHELIA 22 FED COM		Well Number #705H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.		Elevation 3295'

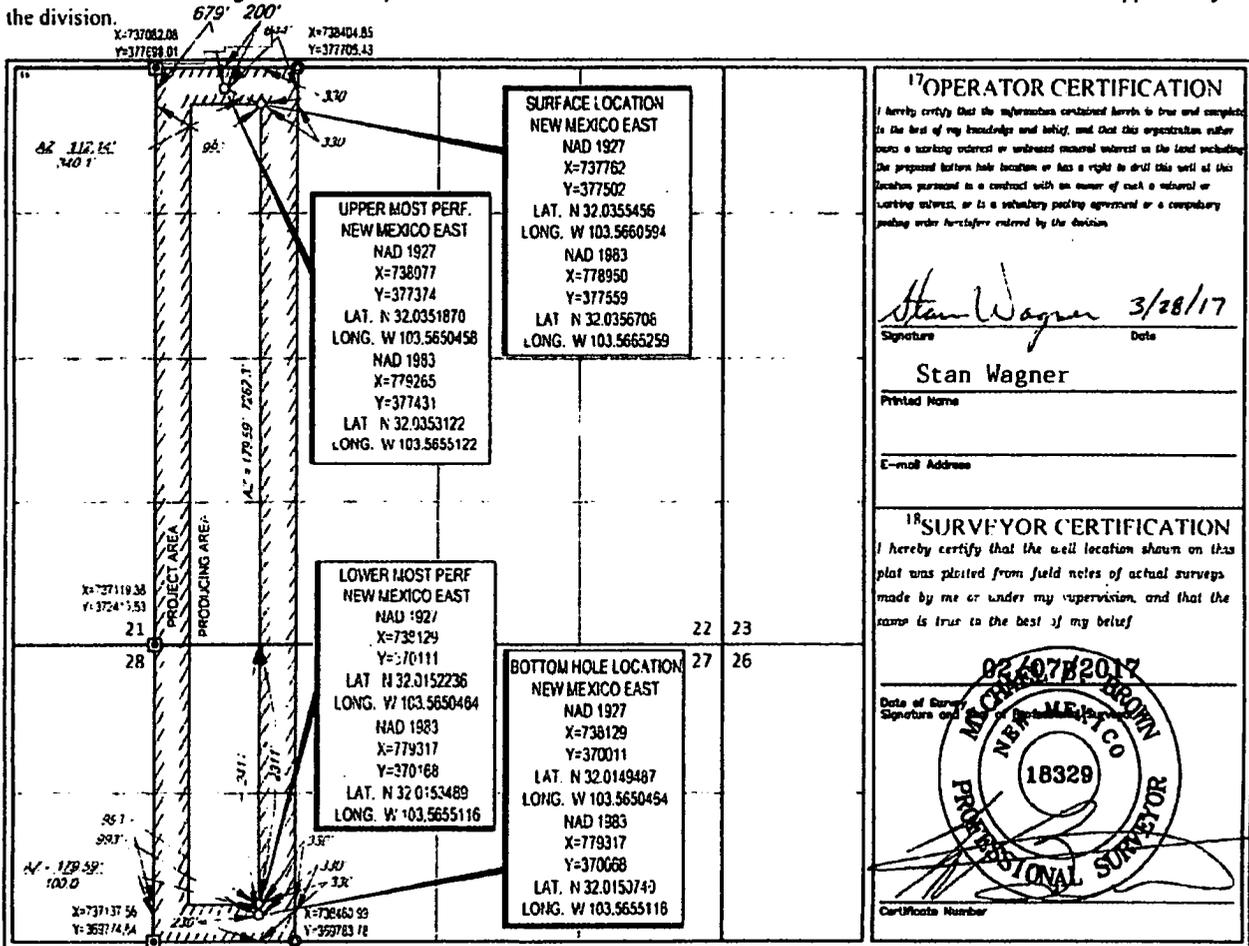
**10 Surface Location**

U.I. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	22	26-S	33-E	-	200'	NORTH	679'	WEST	LEA

U.I. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	27	26-S	33-E	-	2411'	NORTH	993'	WEST	LEA

Dedicated Acres 240.00	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.



District I  
1675 N. French Dr. Hobbs, NM 88240  
Phone (505) 791-6161 Fax (505) 393-1774

District II  
811 S. E. St. Armand, NM 88210  
Phone (505) 48-1283 Fax (505) 748

District III  
444 Rio Brazos Road, Aztec, NM 87411  
Phone (505) 344-6178 Fax (505) 344-7

District IV  
1270 S. St. Francis Dr. Santa Fe, NM 87505  
Phone (505) 476-4611 Fax (505) 47-13

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

API Number 30-025-44009		Pool Code 98097	Pool Name WC-025 G-09 S263327G; Upper Wolfcamp
Property Code 319569	Property Name OPHELIA 22 FED COM		Well Number #706H
GRID No. 7377	Operator Name EOG RESOURCES, INC.		Elevation 3302'

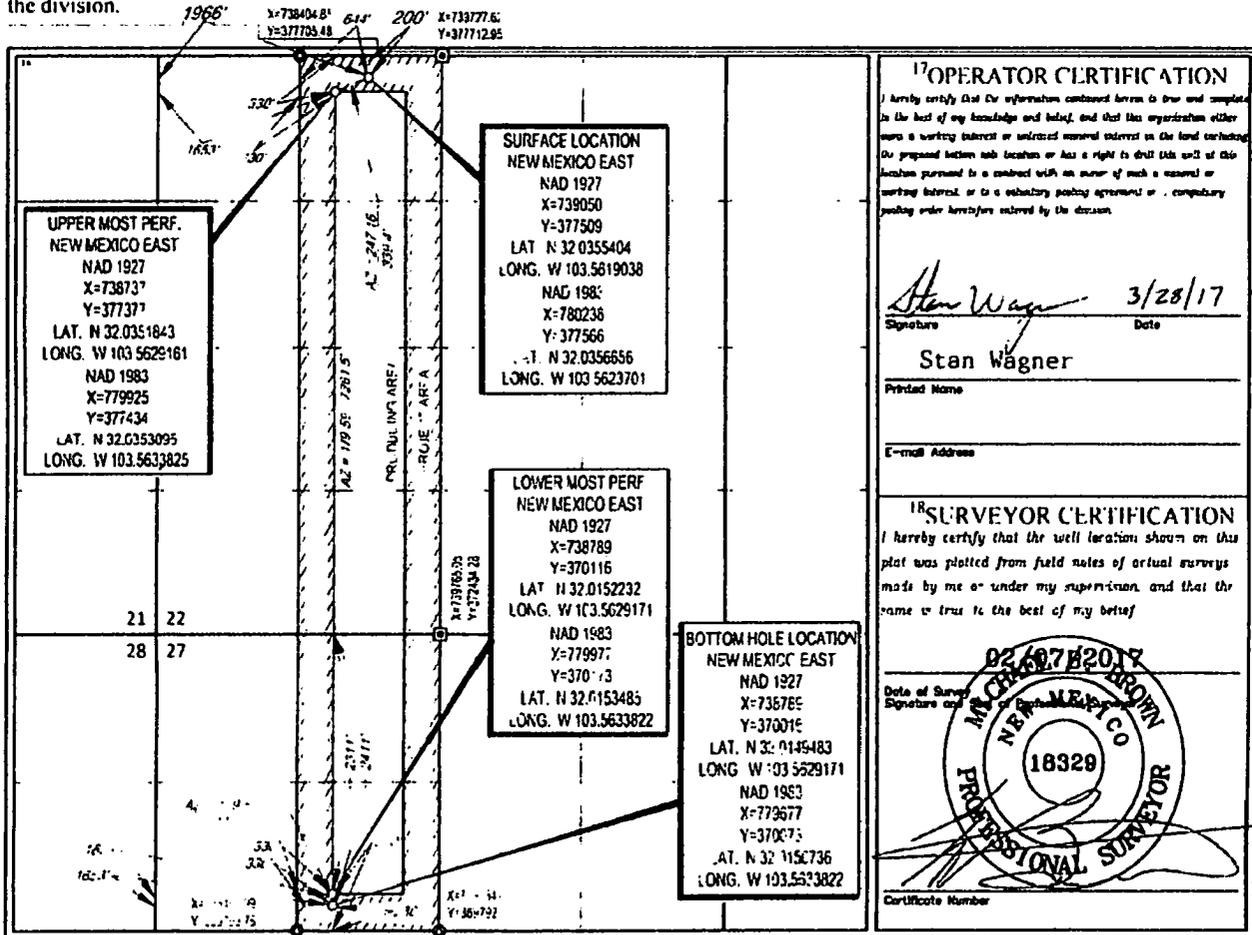
10 Surface Location

11 or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	22	26-S	33-E	-	200'	NORTH	1966'	WEST	LEA

11 or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	27	26-S	33-E	-	2411'	NORTH	1653'	WEST	LEA

Dedicated Acres 240.00	Joint or In/In	Consolidation Code	Order No.
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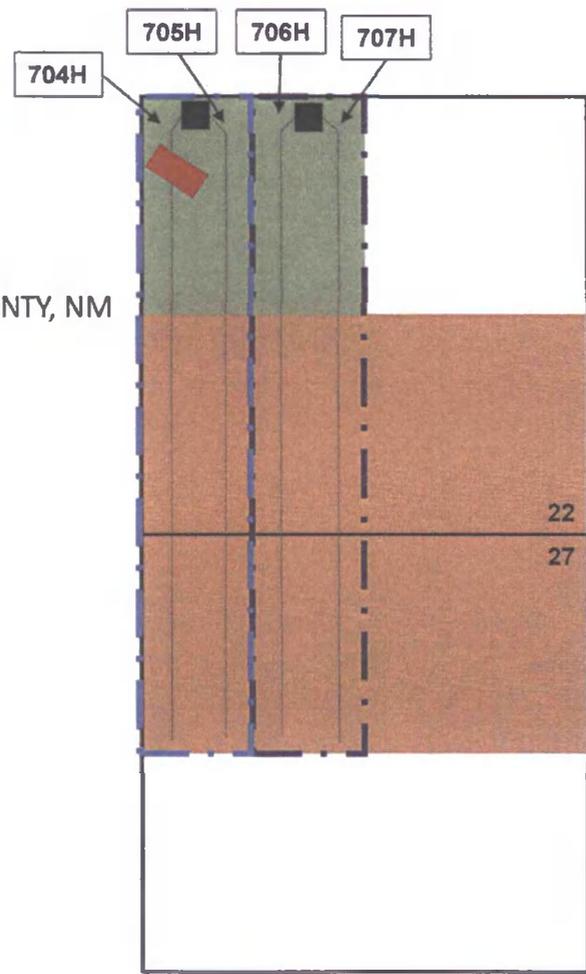
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.





# OPHELIA 22 FED COM WELLS & CTB LOCATION

SECTIONS 22 & 27, T26S, R33E, LEA COUNTY, NM



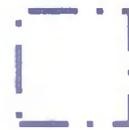
CTB Location



NMNM 122622 (partial)



Fee Leases (partial)



Communitized Area for  
#704H & #705H



Communitized Area for  
#706H and #707H

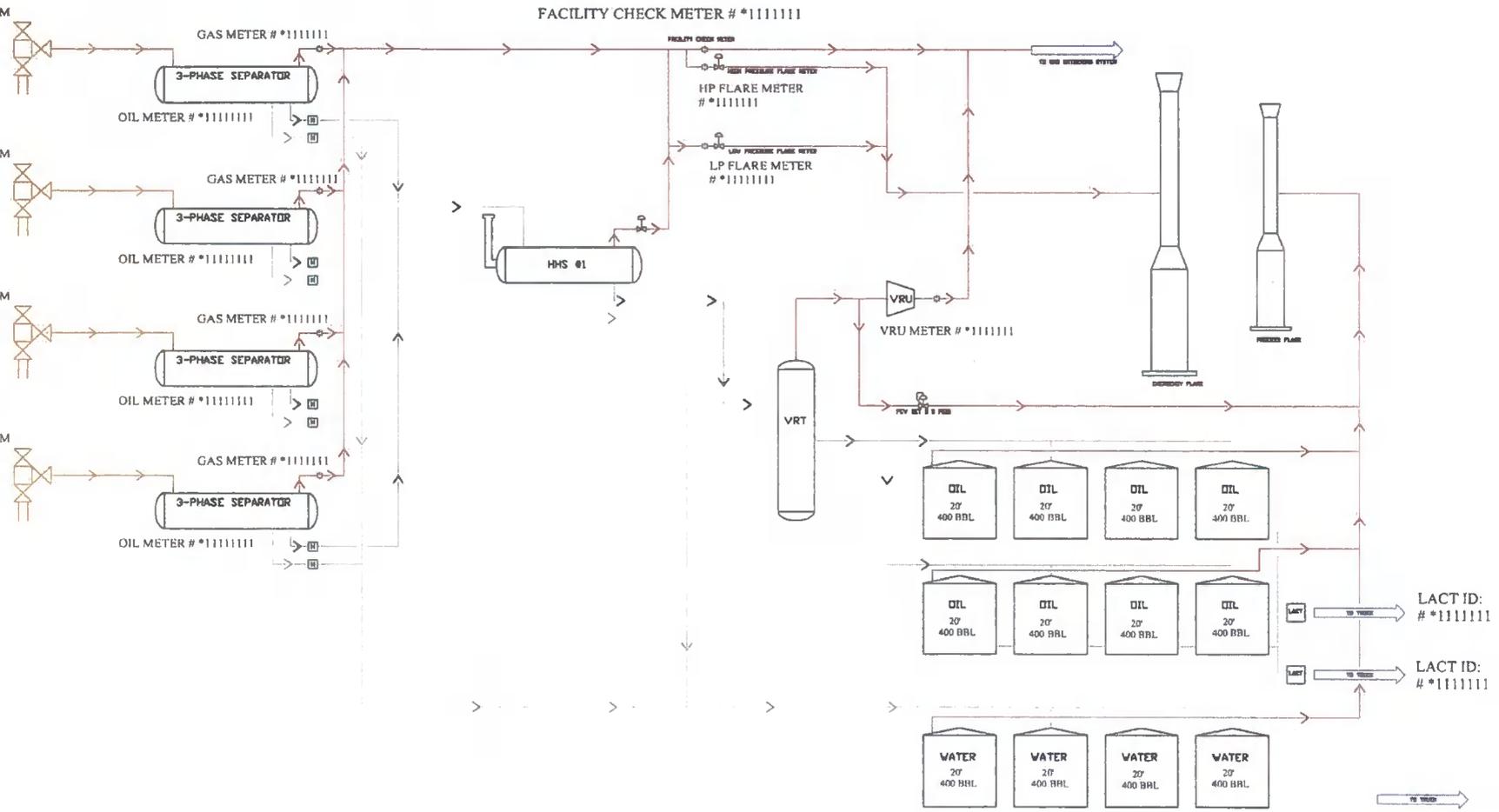
# FACILITY NAME: OPHELIA 22 WEST CTB

WELL NAME:  
OPHELIA 22 FED COM  
#704H  
API NUMBER:  
30-025-44006

WELL NAME:  
OPHELIA 22 FED COM  
#705H  
API NUMBER:  
30-025-44007

WELL NAME:  
OPHELIA 22 FED COM  
#706H  
API NUMBER:  
30-025-44009

WELL NAME:  
OPHELIA 22 FED COM  
#707H  
API NUMBER:  
30-025-44008



Gas Orifice Meter  
Liquid Meter

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

OPHELIA 22 WEST CTB PROCESS FLOW		
EDG RESOURCES MIDLAND DIVISION	BY: BKM	rev. 00 8/28/2018