

RECEIVED: 1/12/2018	REVIEWER: MAM	TYPE: DC	APP NO: PMA 18012 49767
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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. P.O. Box 2267 Midland, TX 79702	OGRID Number: 7377
Well Name: Ruby 2 State Com 601Y and others	API: 30-025-44103
Pool: Hardin Tank; Bone Spring	Pool Code: 96661

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

- 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

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

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.

Stan Wagner _____

Print or Type Name

 _____

Signature

01/12/2018

 Date

432-686-3689

 Phone Number

stan_wagner@eogresources.com

 e-mail Address



P.O. Box 2267, Midland, Texas 79702
Phone: (432) 686-3600 Fax: (432) 686-3773

Date: January 8th, 2018

To: State of New Mexico Oil Conservation Division

Re: Surface Pool/Lease Commingling Application; Ruby 2 State #601Y,
#602H, #603H, and #701H-#705H

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	30-025-44103	Ruby 2 State Com	#601Y	D-2-26S-34E	[96661]HardinTank; Bone Spring	Permitted
2	30-025-44060	Ruby 2 State Com	#602H	D-2-26S-34E	[96661]HardinTank; Bone Spring	Permitted
3	30-025-44061	Ruby 2 State Com	#603H	D-2-26S-34E	[96661]HardinTank; Bone Spring	Permitted
4	30-025-41821	Ruby 2 State Com	#701H	M-2-26S-34E	[96658]HardinTank; Wolfcamp	Permitted
5	30-025-43892	Ruby 2 State Com	#702H	D-2-26S-34E	[96658]HardinTank; Wolfcamp	Permitted
6	30-025-43893	Ruby 2 State Com	#703H	D-2-26S-34E	[96658]HardinTank; Wolfcamp	Permitted
7	30-025-43894	Ruby 2 State Com	#704H	C-2-26S-34E	[96658]HardinTank; Wolfcamp	Permitted
8	30-025-43933	Ruby 2 State Com	#705H	C-2-26S-34E	[96658]HardinTank; Wolfcamp	Permitted

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

EOG Resources, Inc

By: 

Charles Bassett
Land Specialist

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:

API	WELL NAME	WELL#	LOCATION	POOL CODE/NAME	STATUS	*OIL API/BOPD	*GAS BTU/MCFPD
30-025-44103	Ruby 2 State Com	#601Y	D-2-26S-34E	[96661]HardinTank; Bone Spring	Permitted	44	1250/cft
30-025-44060	Ruby 2 State Com	#602H	D-2-26S-34E	[96661]HardinTank; Bone Spring	Permitted	44	1250/cft
30-025-44061	Ruby 2 State Com	#603H	D-2-26S-34E	[96661]HardinTank; Bone Spring	Permitted	44	1250/cft
30-025-41821	Ruby 2 State Com	#701H	M-2-26S-34E	[96658]HardinTank; Wolfcamp	Permitted	44	1250/cft
30-025-43892	Ruby 2 State Com	#702H	D-2-26S-34E	[96658]HardinTank; Wolfcamp	Permitted	44	1250/cft
30-025-43893	Ruby 2 State Com	#703H	D-2-26S-34E	[96658]HardinTank; Wolfcamp	Permitted	44	1250/cft
30-025-43894	Ruby 2 State Com	#704H	C-2-26S-34E	[96658]HardinTank; Wolfcamp	Permitted	44	1250/cft
30-025-43933	Ruby 2 State Com	#705H	C-2-26S-34E	[96658]HardinTank; Wolfcamp	Permitted	44	1250/cft

*projected, pending completion

GENERAL INFORMATION:

- State lease VB-1820-1 covers 320 acres, being the N2 of section 2 in Township 26 South, Range 34 East, Lea County, New Mexico.
- State lease VB-1821-1 covers 320 acres, being the S2 of section 2 in Township 26 South, Range 34 East, Lea County, New Mexico.
- The W2NW-2 of VB-1820-1, W2SW-2 of VB-1821-1 will be communitized for the Wolfcamp formation and the Bone Spring formation. A State form of communitization will be submitted to the New Mexico State Land Office for approval.
- The E2NW-2 of VB-1820-1, E2SW-2 of VB-1821-1 will be communitized for the Wolfcamp formation and the Bone Spring formation. A State form of communitization will be submitted to the New Mexico State Land Office for approval.
- The W2NE-2 of VB-1820-1, W2SE-2 of VB-1821-1 will be communitized for the Wolfcamp formation the Bone Spring formation. A State form of communitization will be submitted to the New Mexico State Land Office for approval.
- The central tank battery to service the subject wells is located in the N2SE of section 2-26S-34E.
- Ownership is identical in each of the subject wells.
- An application to commingle production from the subject wells is being submitted to the NMSLO 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.

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.

RUBY 2 FEDERAL COM #701H gas allocation meter is an Emerson orifice meter (S/N 60381100)

RUBY 2 FEDERAL COM #601Y gas allocation meter is an Emerson orifice meter (S/N *11111111)

RUBY 2 FEDERAL COM #602H gas allocation meter is an Emerson orifice meter (S/N *11111111)

RUBY 2 FEDERAL COM #603H gas allocation meter is an Emerson orifice meter (S/N *11111111)

RUBY 2 FEDERAL COM #702H gas allocation meter is an Emerson orifice meter (S/N *11111111)

RUBY 2 FEDERAL COM #703H gas allocation meter is an Emerson orifice meter (S/N *11111111)

RUBY 2 FEDERAL COM #704H gas allocation meter is an Emerson orifice meter (S/N *11111111)

RUBY 2 FEDERAL COM #705H gas allocation meter is an Emerson orifice meter (S/N *11111111)

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

RUBY 2 FEDERAL COM #701H oil allocation meter is a FMC Coriolis meter (S/N 10-72330)

RUBY 2 FEDERAL COM #601Y oil allocation meter is a FMC Coriolis meter (S/N *11111111)

RUBY 2 FEDERAL COM #602H oil allocation meter is a FMC Coriolis meter (S/N *11111111)

RUBY 2 FEDERAL COM #603H oil allocation meter is a FMC Coriolis meter (S/N *11111111)

RUBY 2 FEDERAL COM #702H oil allocation meter is a FMC Coriolis meter (S/N *11111111)

RUBY 2 FEDERAL COM #703H oil allocation meter is a FMC Coriolis meter (S/N *11111111)

RUBY 2 FEDERAL COM #704H oil allocation meter is a FMC Coriolis meter (S/N *11111111)

RUBY 2 FEDERAL COM #705H oil allocation meter is a FMC Coriolis meter (S/N *11111111)

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 (#*11111111) 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 (#*11111111 and # *11111111) 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 (#*11111111). 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.

APPLICATION FOR, COMMINGLING AT A COMMON CENTRAL TANK BATTERY

Proposal for RUBY 2 STATE COM CTB:

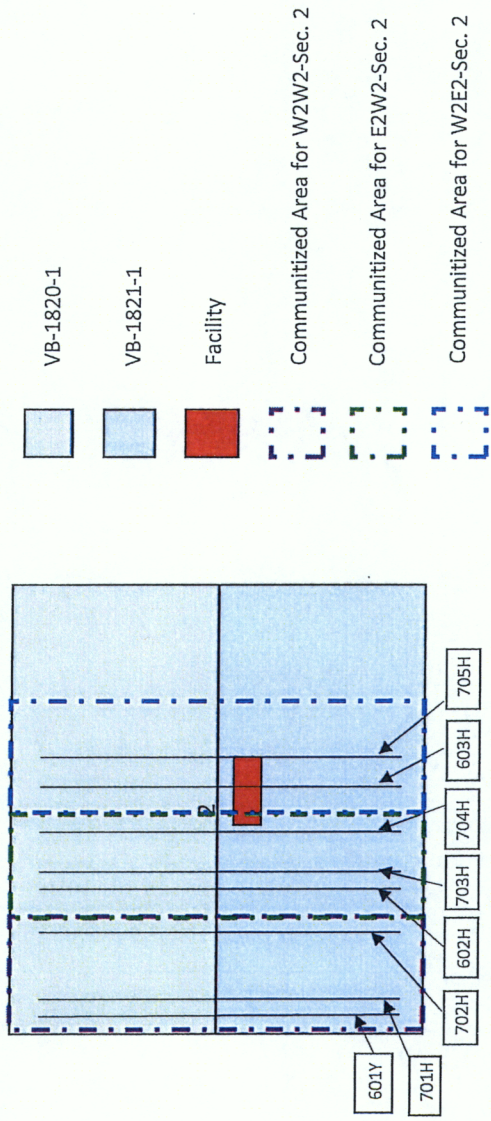
EOG Resources, Inc. is requesting approval to commingle the following wells in a common central tank battery:

STATE Lease # NM #####

Well Name	Location	API #	Pool	Oil BPD	Gravities	MSCFPD	BTU
RUBY 2 STATE COM #701H		30-025-41821		103.71	1.27	85.06	2116
RUBY 2 STATE COM #601Y		30-025-44103		*725	*44	*414	*1333
RUBY 2 STATE COM #602H		30-025-44060		*725	*44	*414	*1333
RUBY 2 STATE COM #603H		30-025-44061		*725	*44	*414	*1333
RUBY 2 STATE COM #702H		30-025-43892		*725	*44	*414	*1333
RUBY 2 STATE COM #703H		30-025-43883		*725	*44	*414	*1333
RUBY 2 STATE COM #704H		30-025-43894		*725	*44	*414	*1333
RUBY 2 STATE COM #705H		30-025-43933		*725	*44	*414	*1333

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

Ruby 2 State Com #601Y, #602H, #603H, #603H,
 #701H, #702H, #703H, #704H, & #705H
 Section 2-26S-34E, Lea County, NM
 Well Layout and CTB location



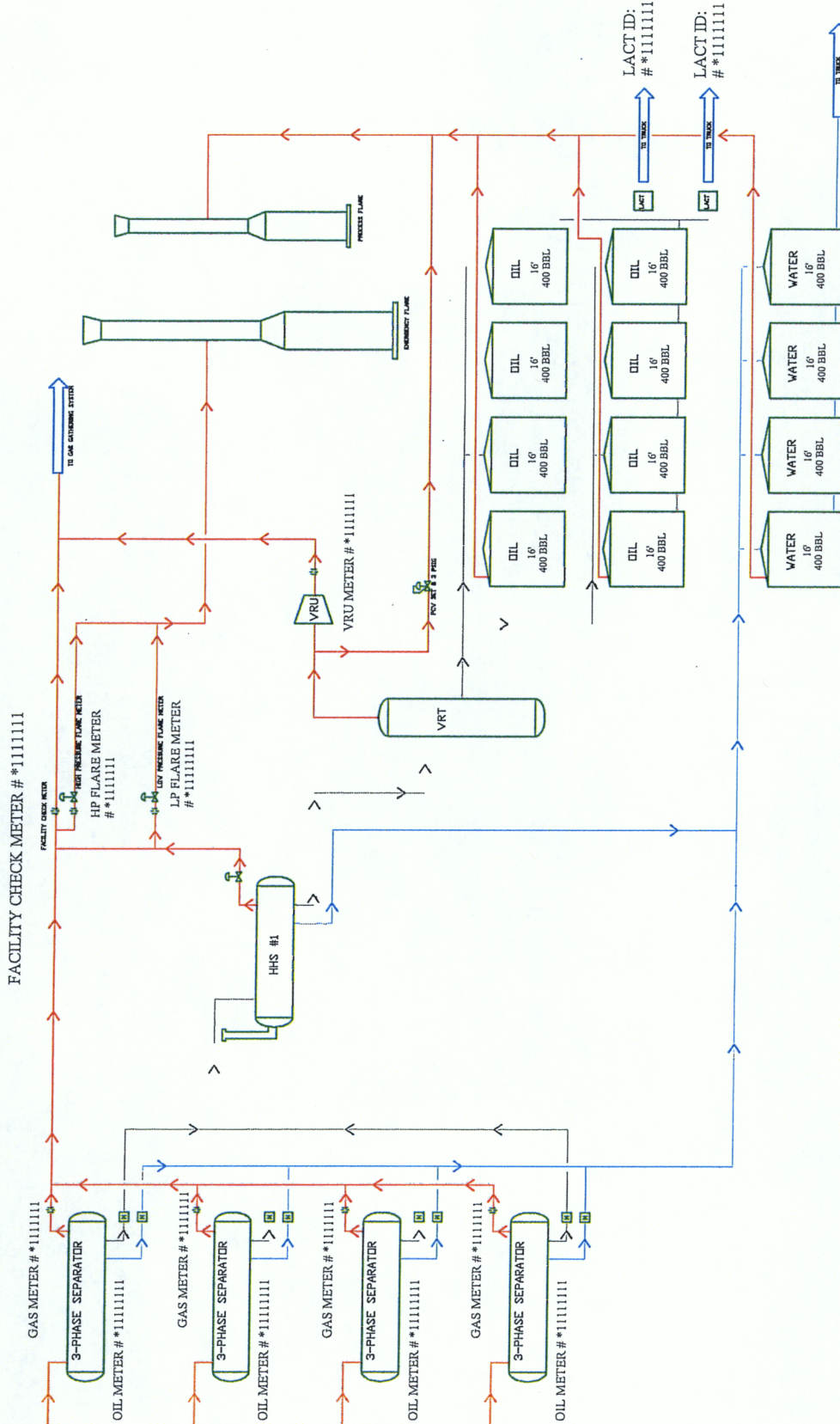
FACILITY NAME: RUBY 2 FED COM CTB

WELL NAME:
RUBY 2 FEDERAL COM #702H
API NUMBER:
30-025-43892

WELL NAME:
RUBY 2 FEDERAL COM #703H
API NUMBER:
30-025-43883

WELL NAME:
RUBY 2 FEDERAL COM #704H
API NUMBER:
30-025-43894

WELL NAME:
RUBY 2 FEDERAL COM #705H
API NUMBER:

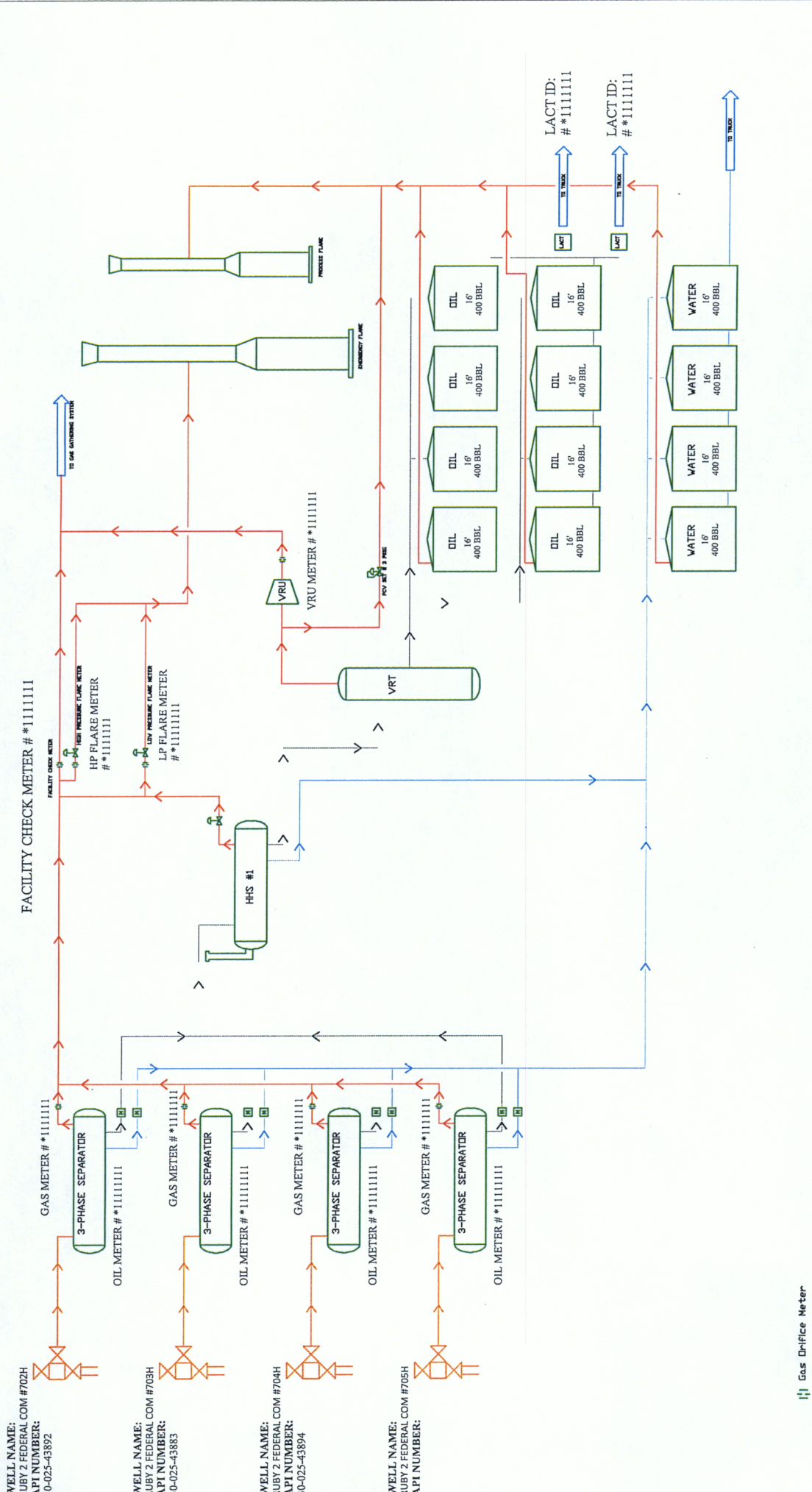


|| Gas Orifice Meter
M Liquid Meter

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

RUBY 2 FED COM CTB PROCESS FLOW	
EDG RESOURCES MIDLAND DIVISION	BY: BKM
	REV. 00 7/17/2017

FACILITY NAME: RUBY 2 FED COM CTB



Gas Orifice Meter
 Liquid Meter

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

RUBY 2 FED COM CTB PROCESS FLOW		
EGG RESOURCES MIDLAND DIVISION	BY: BKM	REV. 00
		7/17/2017

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., 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

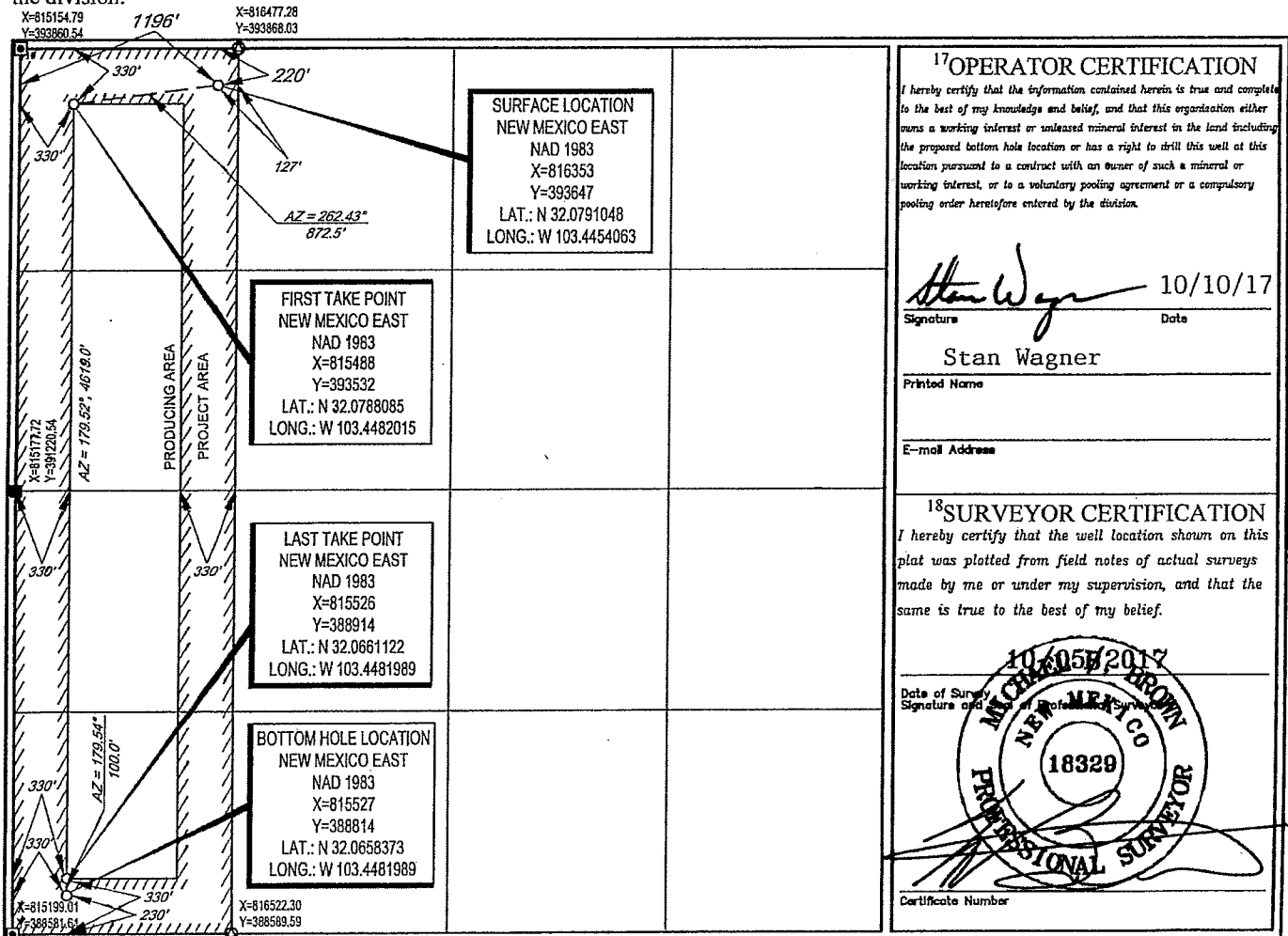
¹ API Number 30-025-	² Pool Code 96661	³ Pool Name Hardin Tank; Bone Spring
⁴ Property Code 313190	⁵ Property Name RUBY 2 STATE COM	
⁶ Well Number #601Y	⁷ Operator Name EOG RESOURCES, INC.	⁸ Elevation 3304'

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
D	2	26-S	34-E	-	220'	NORTH	1196'	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	2	26-S	34-E	-	230'	SOUTH	330'	WEST	LEA

¹¹ Dedicated Acres 160.00	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: *Stan Wagner* Date: 10/10/17
Printed Name: Stan Wagner
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: 10/05/2017
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
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
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-		² Pool Code 96661		³ Pool Name Hardin Tank; Bone Spring	
⁴ Property Code 313190		⁵ Property Name RUBY 2 STATE COM			⁶ Well Number #602H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3304'

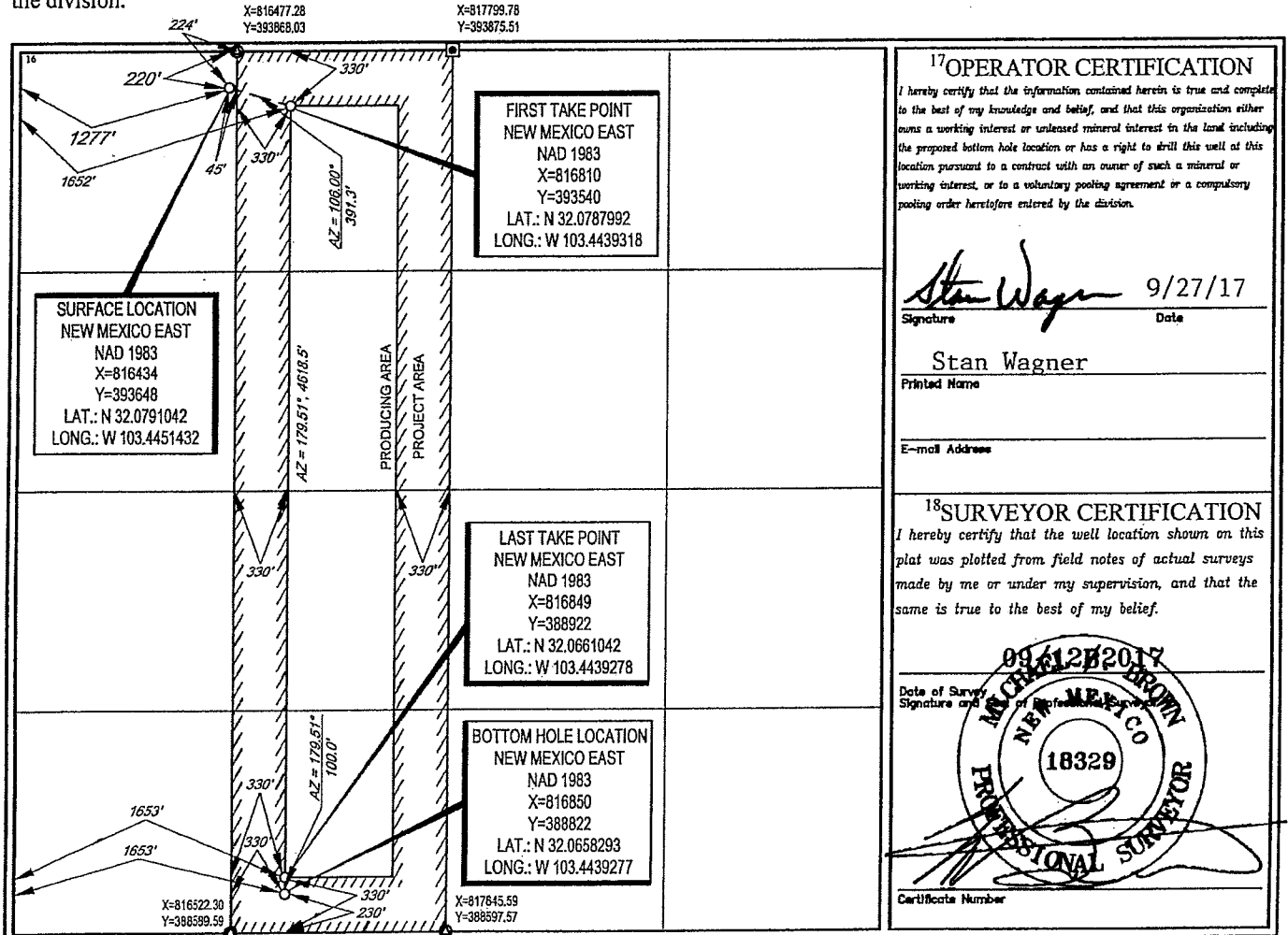
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	2	26-S	34-E	-	220'	NORTH	1277'	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	2	26-S	34-E	-	230'	SOUTH	1653'	WEST	LEA

¹² Dedicated Acres 160.00	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.



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: *Stan Wagner* Date: 9/27/17
Printed Name: Stan Wagner
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: 09/27/2017
Signature and Seal: [Seal of Professional Surveyor, New Mexico, No. 18329]
Certificate Number:

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1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-	² Pool Code 96661	³ Pool Name Hardin Tank; Bone Spring
⁴ Property Code 313190	⁵ Property Name RUBY 2 STATE COM	
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁶ Well Number #603H ⁹ Elevation 3295'

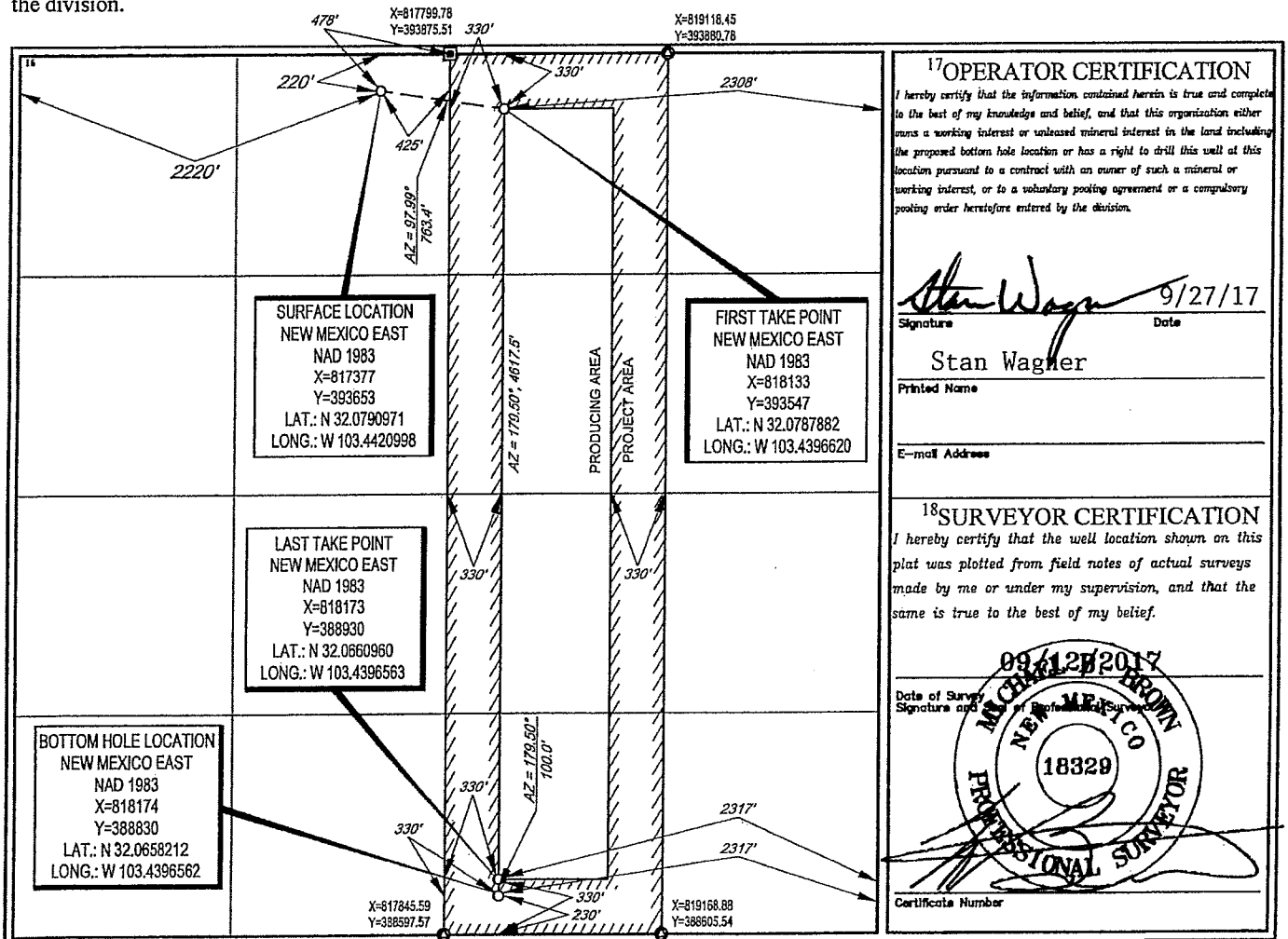
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	2	26-S	34-E	-	220'	NORTH	2220'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	2	26-S	34-E	-	230'	SOUTH	2317'	EAST	LEA

¹¹ Dedicated Acres 160.00	¹² 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.



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: *Stan Wagner* Date: 9/27/17
Printed Name: Stan Wagner
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: 09/21/2017
Signature and Seal: MICHAEL BROWN, PROFESSIONAL SURVEYOR, NEW MEXICO, 18329
Certificate Number:

District I
625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-41821		² Pool Code 96658		³ Pool Name Hardin Tank; Wolfcamp	
⁴ Property Code 313190		⁵ Property Name RUBY 2 STATE COM			⁶ Well Number #701H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3311'

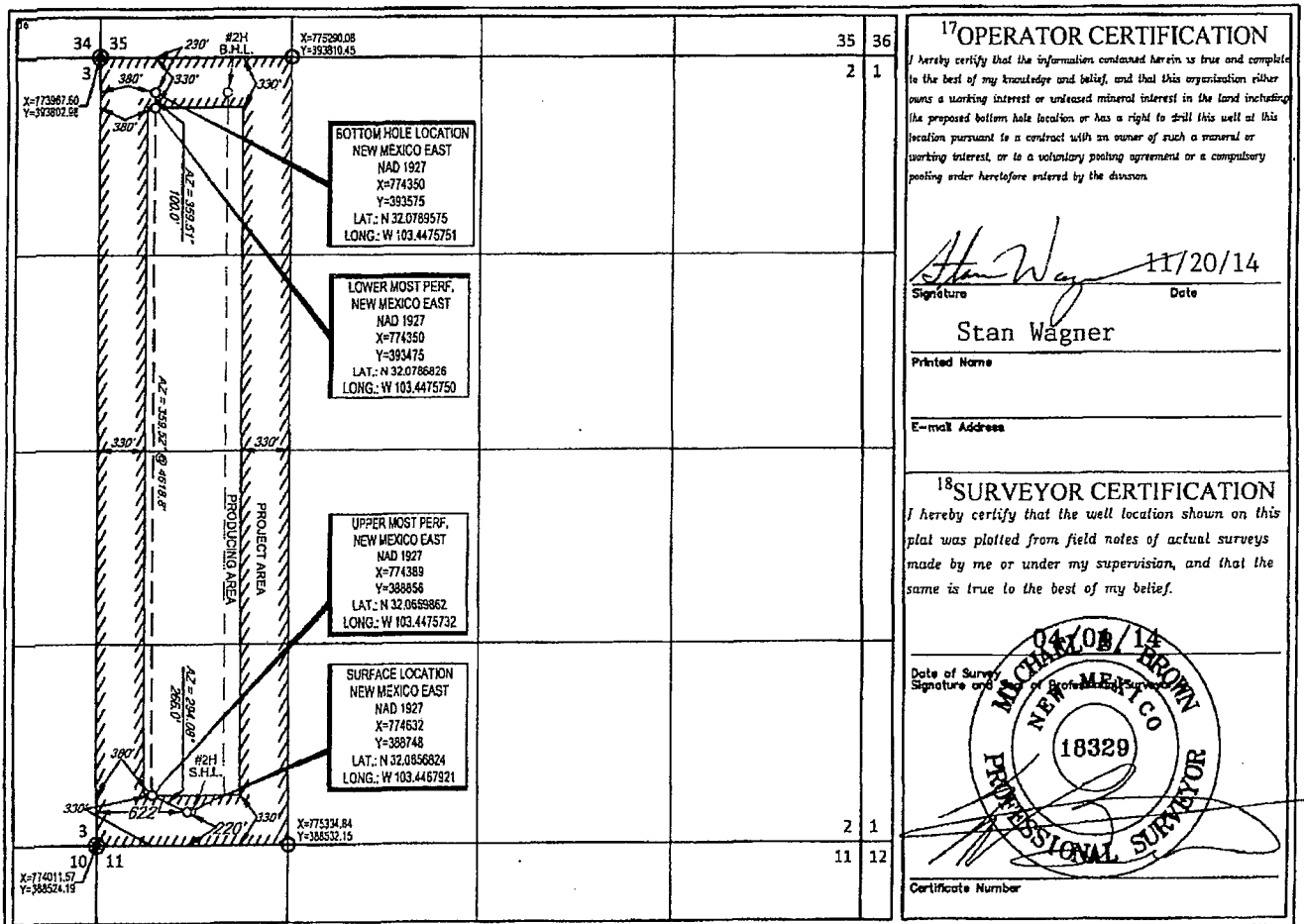
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	26-S	34-E	-	220'	SOUTH	622'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	2	26-S	34-E	-	230'	NORTH	380'	WEST	LEA

¹¹ Dedicated Acres 160.00	¹² Joint or Infill	¹³ Consolidation Code	¹⁴ Order No.
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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

¹ API Number 30-025-43892		² Pool Code 96658		³ Pool Name Hardin Tank; Wolfcamp	
⁴ Property Code 313190		⁵ Property Name RUBY 2 STATE COM			⁶ Well Number #702H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3304'

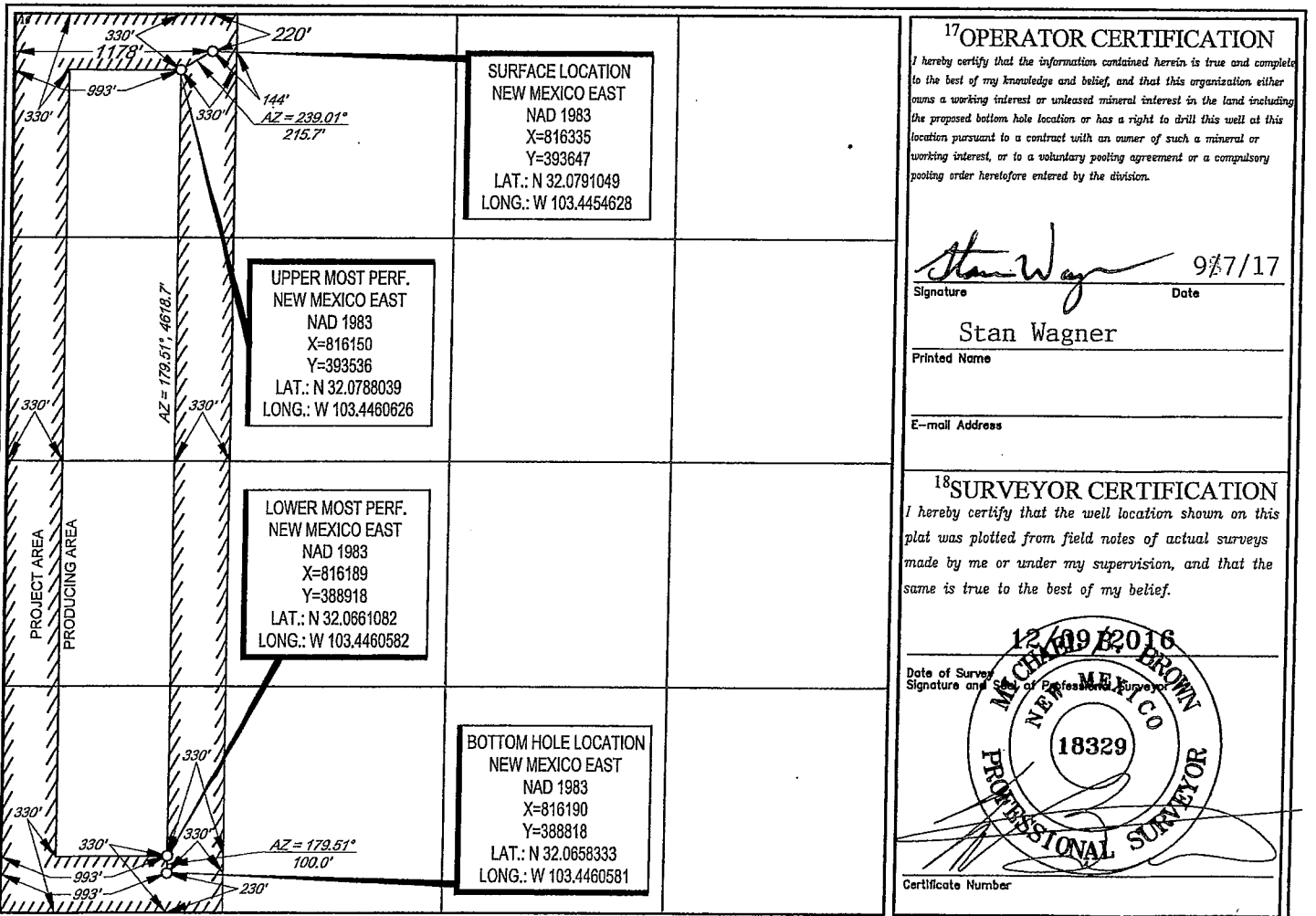
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	2	26-S	34-E	-	220'	NORTH	1178'	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	2	26-S	34-E	-	230'	SOUTH	993'	WEST	LEA

¹² Dedicated Acres 160.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

¹ API Number 30-025-43893	² Pool Code 96658	³ Pool Name Hardin Tank; Wolfcamp
⁴ Property Code	⁵ Property Name RUBY 2 STATE COM	
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁶ Well Number #703H ⁹ Elevation 3305'

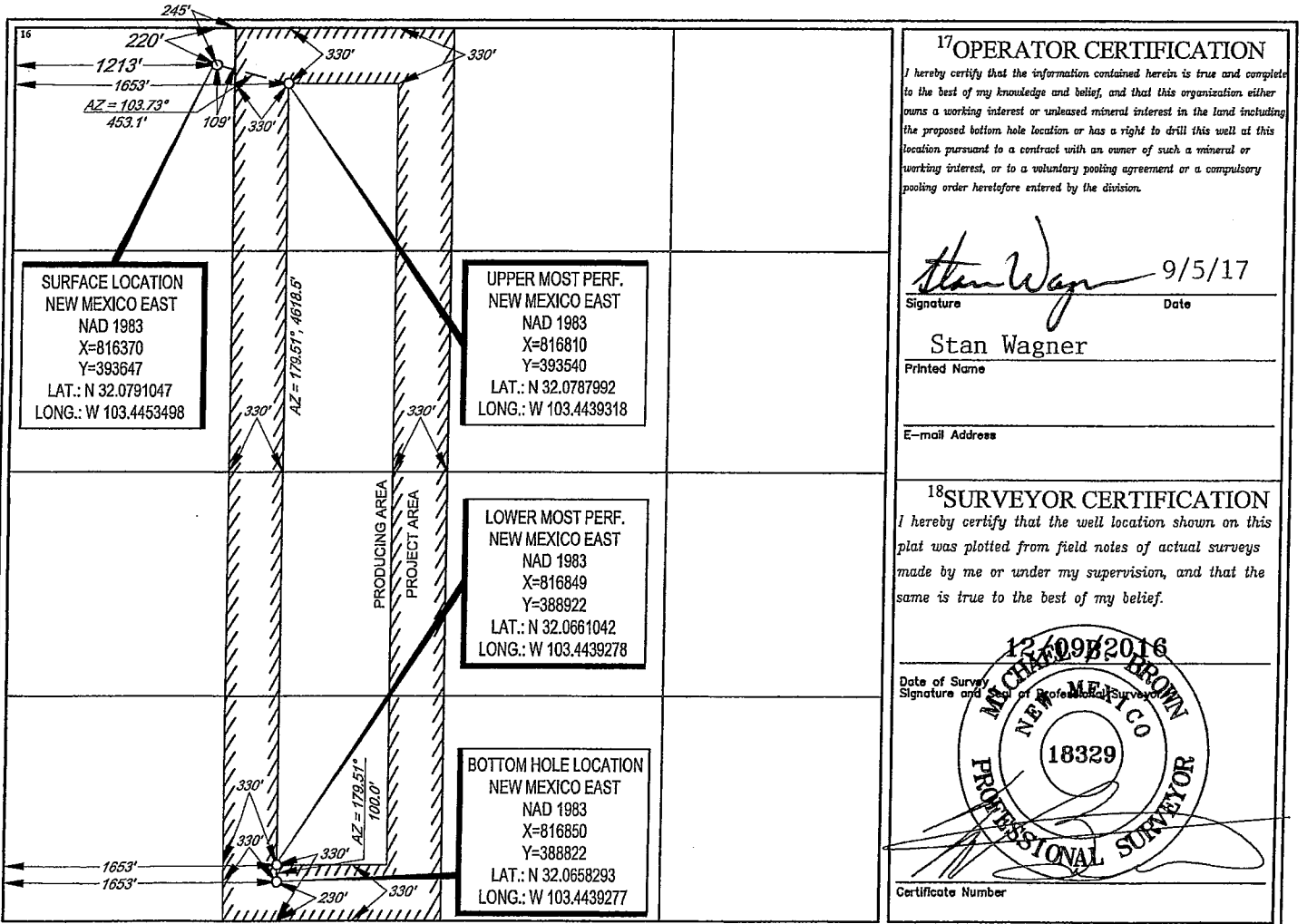
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	2	26-S	34-E	-	220'	NORTH	1213'	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	2	26-S	34-E	-	230'	SOUTH	1653'	WEST	LEA

¹² Dedicated Acres 160.00	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.



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.

Stan Wagner 9/5/17
Signature Date
Stan Wagner
Printed Name
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.

12/09/2016
Date of Survey
MICHAEL BROWN
Signature and Title of Professional Surveyor
NEW MEXICO
18329
PROFESSIONAL SURVEYOR
Certificate Number

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., 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

¹ API Number 30-025-43894		² Pool Code 96658		³ Pool Name Hardin Tank; Wolfcamp	
⁴ Property Code 313190		⁵ Property Name RUBY 2 STATE COM			⁶ Well Number #704H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3294'

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	2	26-S	34-E	-	220'	NORTH	2150'	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	2	26-S	34-E	-	230'	SOUTH	2316'	WEST	LEA

¹² Dedicated Acres 160.00	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.

SURFACE LOCATION
NEW MEXICO EAST
NAD 1983
X=817307
Y=393653
LAT.: N 32.0790978
LONG.: W 103.4423259

UPPER MOST PERF.
NEW MEXICO EAST
NAD 1983
X=817473
Y=393544
LAT.: N 32.0787945
LONG.: W 103.4417928

LOWER MOST PERF.
NEW MEXICO EAST
NAD 1983
X=817513
Y=388926
LAT.: N 32.0661001
LONG.: W 103.4417868

BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1983
X=817514
Y=388826
LAT.: N 32.0658252
LONG.: W 103.4417867

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.

Stan Wagner 9/7/17
Signature Date

Stan Wagner
Printed Name

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.

12/14/2016
Date of Survey
Signature and Title of Professional Surveyor
PROF. M. C. BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Certificate Number

District I
1625 N. French Dr., Hobbs, NM 88240
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FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-43933		² Pool Code 96658		³ Pool Name Hardin Tank; Wolfcamp	
⁴ Property Code 313190		⁵ Property Name RUBY 2 STATE COM			⁶ Well Number #705H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3295'

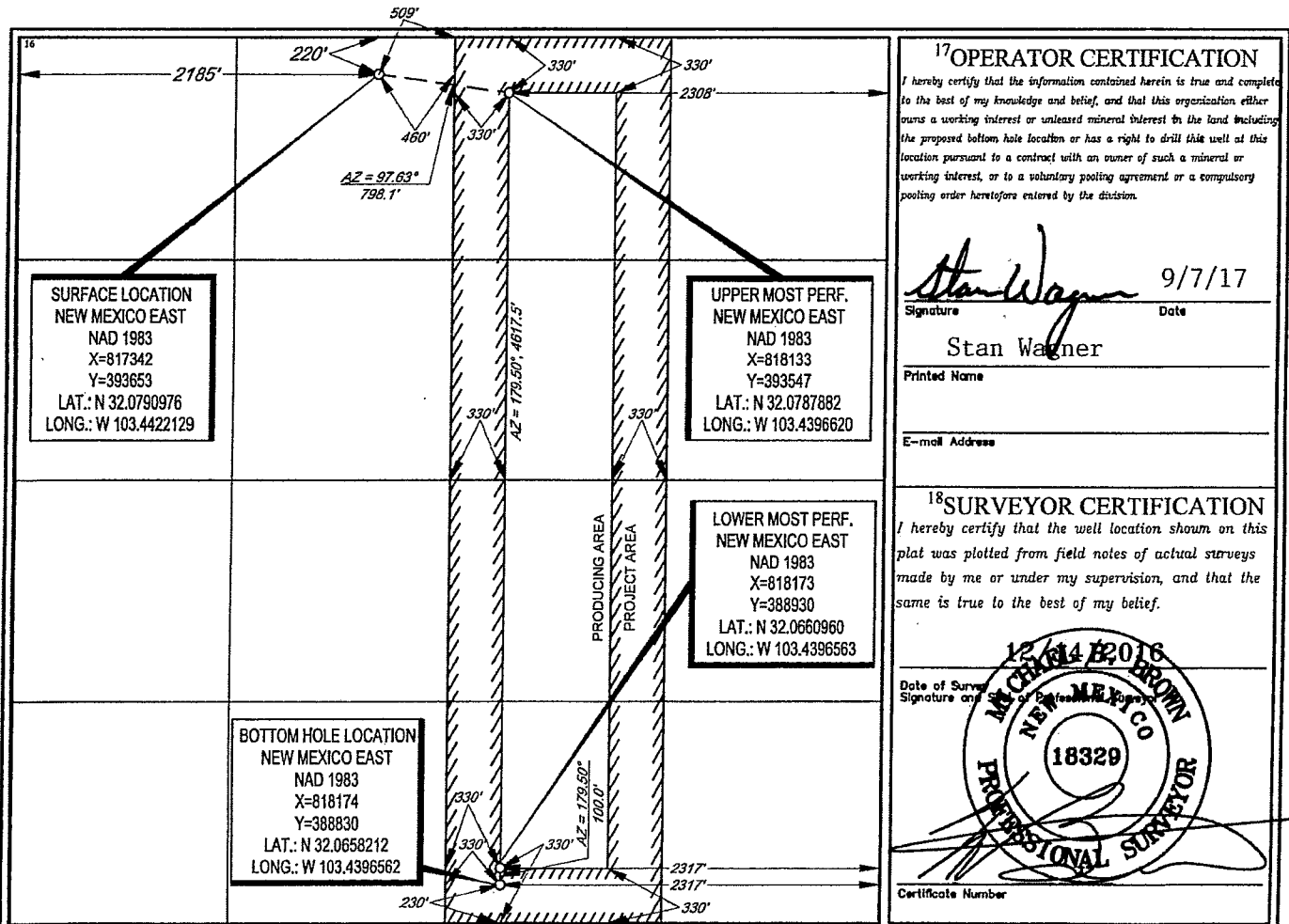
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	2	26-S	34-E	-	220'	NORTH	2185'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	2	26-S	34-E	-	230'	SOUTH	2317'	EAST	LEA

¹² Dedicated Acres 160.00	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.

Stan Wagner 9/7/17
Signature Date

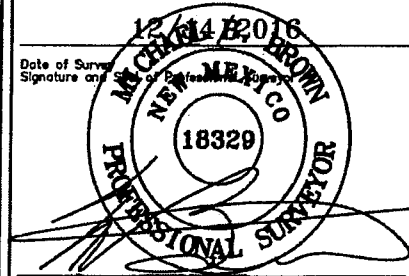
Stan Wagner
Printed Name

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
Signature of Professional Surveyor



Certificate Number

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.

RUBY 2 STATE COM #701H gas allocation meter is an Emerson orifice meter (S/N 60381100)

RUBY 2 STATE COM #601Y gas allocation meter is an Emerson orifice meter (S/N *11111111)

RUBY 2 STATE COM #602H gas allocation meter is an Emerson orifice meter (S/N *11111111)

RUBY 2 STATE COM #603H gas allocation meter is an Emerson orifice meter (S/N *11111111)

RUBY 2 STATE COM #702H gas allocation meter is an Emerson orifice meter (S/N *11111111)

RUBY 2 STATE COM #703H gas allocation meter is an Emerson orifice meter (S/N *11111111)

RUBY 2 STATE COM #704H gas allocation meter is an Emerson orifice meter (S/N *11111111)

RUBY 2 STATE COM #705H gas allocation meter is an Emerson orifice meter (S/N *11111111)

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

RUBY 2 STATE COM #701H oil allocation meter is a FMC Coriolis meter (S/N 10-72330)

RUBY 2 STATE COM #601Y oil allocation meter is a FMC Coriolis meter (S/N *11111111)

RUBY 2 STATE COM #602H oil allocation meter is a FMC Coriolis meter (S/N *11111111)

RUBY 2 STATE COM #603H oil allocation meter is a FMC Coriolis meter (S/N *11111111)

RUBY 2 STATE COM #702H oil allocation meter is a FMC Coriolis meter (S/N *11111111)

RUBY 2 STATE COM #703H oil allocation meter is a FMC Coriolis meter (S/N *11111111)

RUBY 2 STATE COM #704H oil allocation meter is a FMC Coriolis meter (S/N *11111111)

RUBY 2 STATE COM #705H oil allocation meter is a FMC Coriolis meter (S/N *11111111)

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 (#*11111111) 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 (#*11111111 and # *11111111) 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 (#*11111111). 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.