

Copy

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. 30-025-42153
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Brown Bear 36 State
8. Well Number 701H
9. OGRID Number 7377
10. Pool name or Wildcat WC-025 G-09 S5253336D; Upper WC

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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator EOG Resources, Inc.	
3. Address of Operator P.O. Box 2267 Midland, TX 79702	
4. Well Location Unit Letter <u>D</u> : <u>230</u> feet from the <u>North</u> line and <u>805</u> feet from the <u>West</u> line Section <u>36</u> Township <u>25S</u> Range <u>33E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3335' GR	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
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: Surface Commingling <input checked="" type="checkbox"/>		OTHER: <input 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 proposes to surface commingle, pools from this well and the following wells:

Brown Bear 36 State #502H 30-025-42154 (97741) Wildcat; Bone Spring  
 Brown Bear 36 State #702H 30-025-42538 (98094) Wildcat; Upper Wolfcamp  
 Brown Bear 36 State #703H 30-025-42539 (98094) Wildcat; Upper Wolfcamp

Surface commingling details attached.

NMSLO is being notified concurrently with the filing of this application.

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 05/15/2015  
 Type or print name Stan Wagner E-mail address: \_\_\_\_\_ PHONE: 432-686-3689  
 For State Use Only

**Accepted for Record Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 05/15/2015  
 Conditions of Approval (if any):

*\*\* Must be submitted to Santa Fe for administrative approval for surface commingling*

MAY 18 2015

dm

## APPLICATION FOR SURFACE POOL COMMINGLING

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

	API	WELL NAME	WELL NUMBER	LOCATION	POOL CODE/NAME	STATUS
1	30-025-42154	BROWN BEAR 36 STATE	#502H	D-36-25S-33E	[97741] WC-025 G-09 S253335K; BONE SPRING	PRODUCING
2	30-025-42153	BROWN BEAR 36 STATE	#701H	D-36-25S-33E	[98094] WC-025 G-09 S253336D; UPPER WOLFCAMP	PRODUCING
3	30-025-42538	BROWN BEAR 36 STATE	#702H	N-36-25S-33E	[98094] WC-025 G-09 S253336D; UPPER WOLFCAMP	PERMITTED
4	30-025-42539	BROWN BEAR 36 STATE	#703H	N-36-25S-33E	[98094] WC-025 G-09 S253336D; UPPER WOLFCAMP	PERMITTED

State lease NM VB-15130000 covers 320 acres, being the W/2 of section 36 T25S R33E Lea County, NM. The proposed central tank battery is located entirely within the boundary of the lease. Ownership of the wells is identical (see landman statement attached). The Brown Bear 36 State #702H is scheduled to spud on 5/21/2015 and the Brown Bear 36 State #703H is scheduled to spud on 6/19/2015.

Attached is (1) a map that displays the location of the wells and the proposed CTB, (2) a process flow diagram, and (3) the C-102 plats for each of the wells.

### Oil and Gas Metering:

The Brown Bear 36 State #502H production is measured at its dedicated separator which includes: Coriolis meter for oil, senior orifice meter for gas, and turbine meter for water.

The Brown Bear 36 State #701H production is measured at its dedicated separator which includes: Coriolis meter for oil, senior orifice meter for gas, and turbine meter for water.

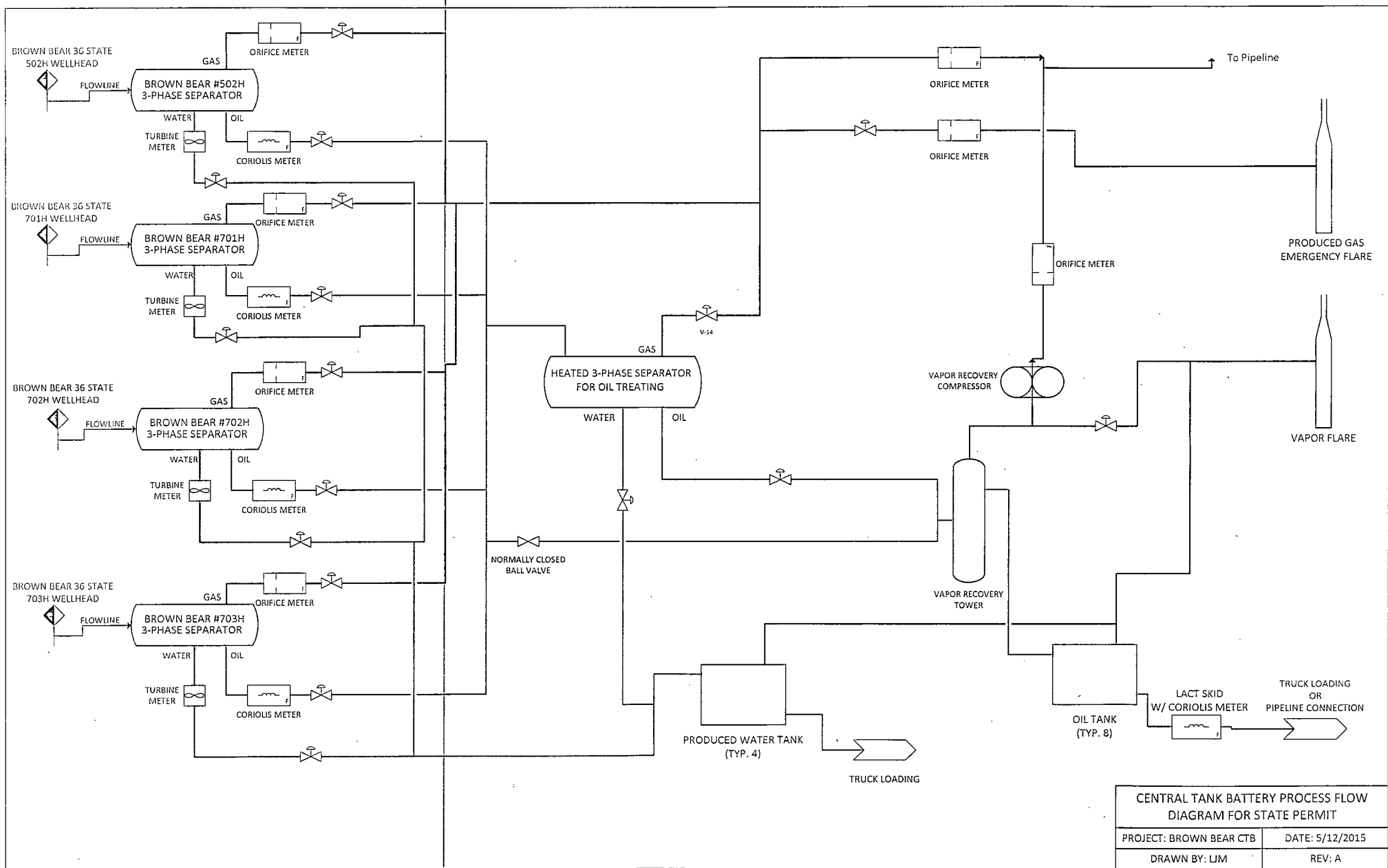
The Brown Bear 36 State #702H production will be measured at its dedicated separator which includes: Coriolis meter for oil, senior orifice meter for gas, and turbine meter for water.

The Brown Bear 36 State #703H production will be measured at its dedicated separator which includes: Coriolis meter for oil, senior orifice meter for gas, and turbine meter for water.

### 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. The oil will be measured using a Coriolis meter, and the water will be measured using a turbine 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 separator 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 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 orifice meter that serves as our lease production meter. The overhead gas from the vapor recovery tower is compressed by a vapor recovery compressor and then measured by a custody transfer 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.





CENTRAL TANK BATTERY PROCESS FLOW DIAGRAM FOR STATE PERMIT	
PROJECT: BROWN BEAR CTB	DATE: 5/12/2015
DRAWN BY: LIM	REV: A

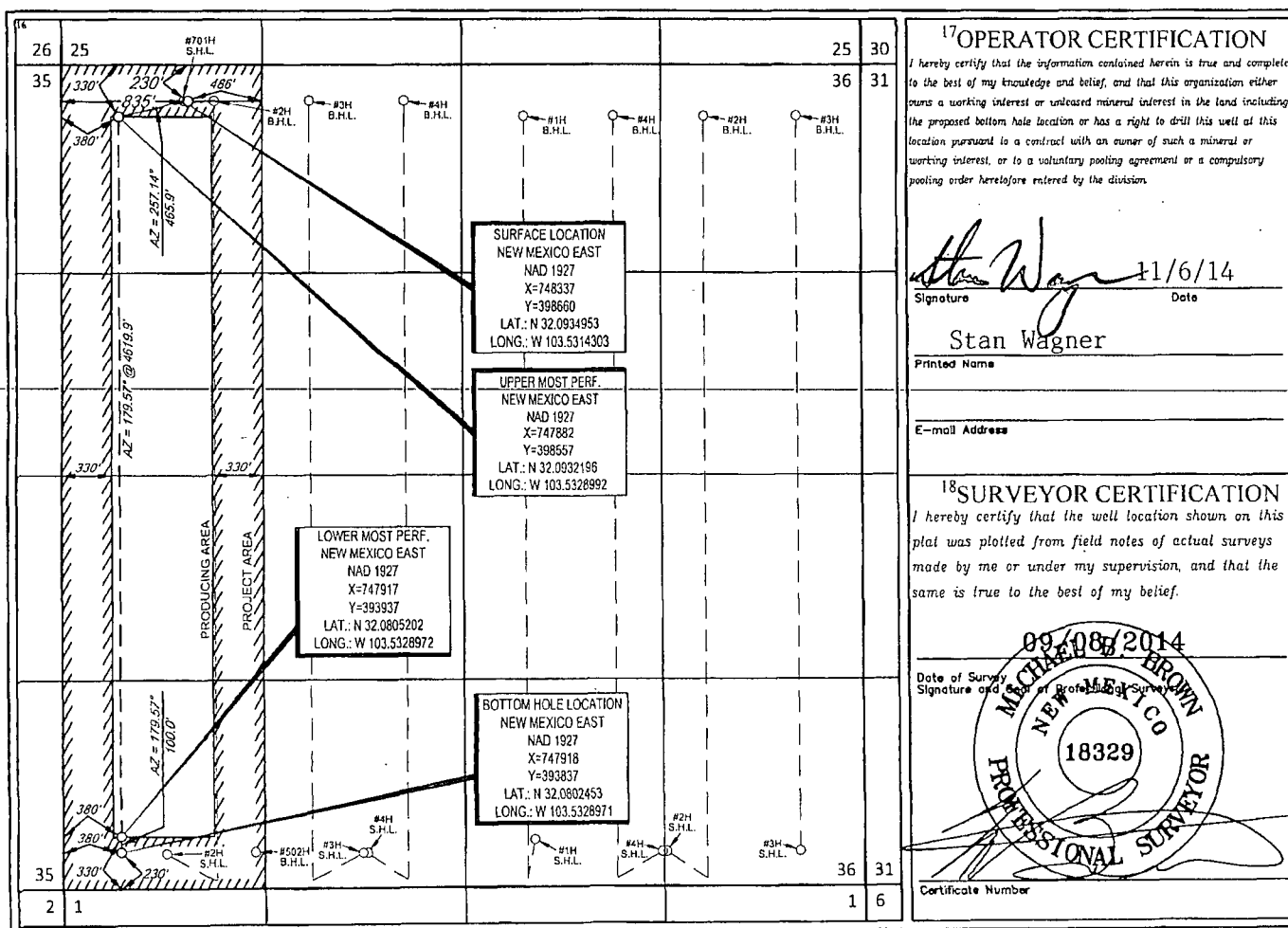
# WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-42154	<sup>2</sup> Pool Code 97741	<sup>3</sup> Pool Name Wildcat; Bone Spring
<sup>4</sup> Property Code 38961	<sup>5</sup> Property Name BROWN BEAR 36 STATE	<sup>6</sup> Well Number #502H
<sup>7</sup> OGRID No. 7377	<sup>8</sup> Operator Name EOG RESOURCES, INC.	<sup>9</sup> Elevation 3335'

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	36	25-S	33-E	-	230'	NORTH	835'	WEST	LEA

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>M</b>	<b>36</b>	<b>25-S</b>	<b>33-E</b>	<b>-</b>	<b>230'</b>	<b>SOUTH</b>	<b>366</b>	<b>WEST</b>	<b>LEA</b>
<sup>13</sup> Dedicated Acres <b>160.00</b>	<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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.



MAY 12 2015

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State of New Mexico  
Energy, Minerals & Natural Resources  
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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

<sup>1</sup> API Number 30-025-42153	<sup>2</sup> Pool Code 98094	<sup>3</sup> Pool Name WC-025 G-09 5253336D; UPPER WC
<sup>4</sup> Property Code 38961	<sup>5</sup> Property Name BROWN BEAR 36 STATE	
<sup>6</sup> GRID No. 7377	<sup>7</sup> Operator Name EOG RESOURCES, INC.	<sup>8</sup> Well Number 701H
		<sup>9</sup> Elevation 3335'

<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	36	25-S	33-E	-	230'	NORTH	805'	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	36	25-S	33-E	-	230'	SOUTH	380'	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 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: <i>Stan Wagner</i> Date: 10/15/14 Printed Name: Stan Wagner 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: 09/08/2014 Signature: <i>Michael J. Brown</i> Certificate Number: 18329
	SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=748307 Y=338660 LAT.: N 32.0334951 LONG.: W 103.5315270
	UPPER MOST PERF. NEW MEXICO EAST NAD 1927 X=747882 Y=338557 LAT.: N 32.0332195 LONG.: W 103.5326992

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

SUNDAY BHL  
3 TVD

HOBBS OCD

MAY 08 2015

WELL LOCATION AND ACREAGE DEDICATION PLAT RECEIVED

<sup>1</sup> API Number 30-025-42538	<sup>2</sup> Pool Code 98094	<sup>3</sup> Pool Name WC-025 G-09 S253336D; Upper Wolfcamp
<sup>4</sup> Property Code 38961	<sup>5</sup> Property Name BROWN BEAR 36 STATE	<sup>6</sup> Well Number #702H
<sup>7</sup> OGRID No. 7377	<sup>8</sup> Operator Name EOG RESOURCES, INC.	<sup>9</sup> Elevation 3319'

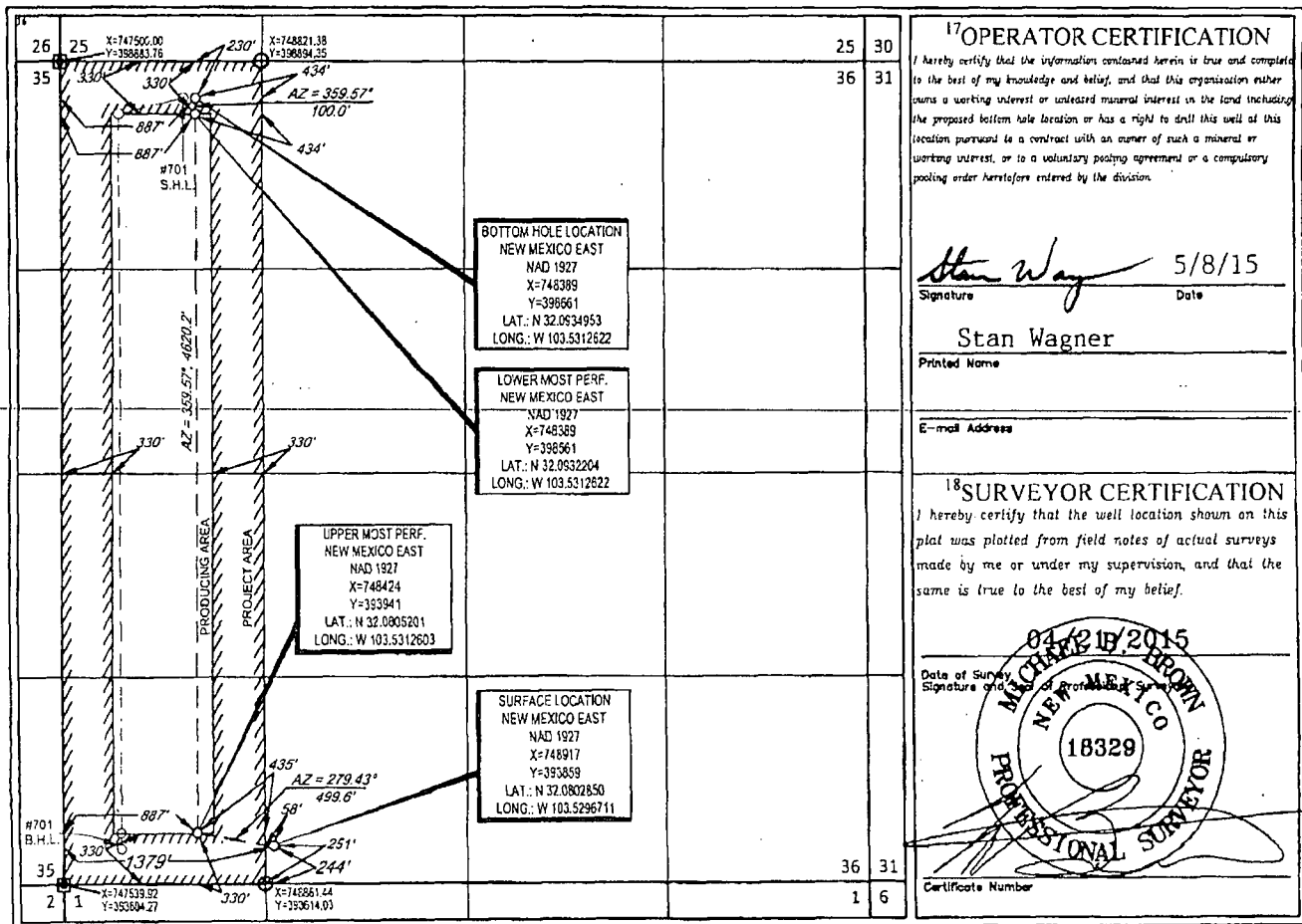
<sup>10</sup>Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	36	25-S	33-E	-	244'	SOUTH	1379'	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	36	25-S	33-E	-	230'	NORTH	887'	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.



S:\SURVEY\EOG\_MIDLAND\BROWN\_BEAR\_36\_STATE\FINAL\_PRODUCT\SILO\_BROWN\BEAR36STATE\_702H\_REV1.DWG 5/7/2015 10:24:40 AM cccaston

MAY 08 2015

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

Sunday, BHL  
HOBBS OCD  
& TVD

MAY 08 2015

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-42539		<sup>2</sup> Pool Code 98094		<sup>3</sup> Pool Name WC-025 G-09 S253336D; Upper Wolfcamp	
<sup>4</sup> Property Code 98094		<sup>5</sup> Property Name BROWN BEAR 36 STATE			<sup>6</sup> Well Number #703H
<sup>7</sup> OGRID No. 7377		<sup>8</sup> Operator Name EOG RESOURCES, INC.			<sup>9</sup> Elevation 3318'
<sup>10</sup> Surface Location					
UL or lot no. N	Section 36	Township 25-S	Range 33-E	Lot Idn -	Feet from the 245'
					North/South line SOUTH
					Feet from the 1409'
					East/West line WEST
					County LEA
UL or lot no. C	Section 36	Township 25-S	Range 33-E	Lot Idn -	Feet from the 230'
					North/South line NORTH
					Feet from the 1394'
					East/West line WEST
					County LEA
<sup>11</sup> Dedicated Acres 160.00		<sup>12</sup> Joint or Infill		<sup>13</sup> Consolidation Code	
				<sup>14</sup> 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.

26 25		25 30	
35		36 31	
<p><b>17 OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization neither owns a working interest or undivided 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 is a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <u>Stan Wagner</u> Date: <u>5/8/15</u></p> <p>Printed Name: <u>Stan Wagner</u></p> <p>E-mail Address: _____</p>			
<p><b>18 SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>Date of Survey: <u>04/21/2015</u></p> <p>Signature of Professional Surveyor: <u>[Signature]</u></p> <p>Certificate Number: <u>18329</u></p>			

S:\SURVEY\EOG\_MIDLAND\BROWN\_BEAR\_36\_STATE\FINAL\_PRODUCT\SLD\_BROWNBEAR36STATE\_703H\_REV1.DWG 5/7/2015 10:24:58 AM cccason

MAY 08 2015





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

Date: May 14, 2015  
To: State of New Mexico Oil Conservation Division  
Re: Surface Pool Commingling Application; Brown Bear 36 State #s 502H, 701H, 702H, and 703H

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 NUMBER	LOCATION	POOL CODE/NAME	STATUS
1	30-025-42154	BROWN BEAR 36 STATE	#502H	D-36-25S-33E	[97741] WC-025 G-09 S253335K; BONE SPRING	PRODUCING
2	30-025-42153	BROWN BEAR 36 STATE	#701H	D-36-25S-33E	[98094] WC-025 G-09 S253336D; UPPER WOLFCAMP	PRODUCING
3	30-025-42538	BROWN BEAR 36 STATE	#702H	N-36-25S-33E	[98094] WC-025 G-09 S253336D; UPPER WOLFCAMP	PERMITTED
4	30-025-42539	BROWN BEAR 36 STATE	#703H	N-36-25S-33E	[98094] WC-025 G-09 S253336D; UPPER WOLFCAMP	PERMITTED

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

EOG Resources, Inc.

By:

A handwritten signature in black ink, appearing to read "Paul Boland", written over a horizontal line.

Paul Boland  
Sr. Landman