

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - 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

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

- [D] Other: Specify _____

PLC-441
 - EOG Resources, Inc
 7377
 Well
 - Brown Bear
 36 State 7014
 30-025-42153
 +
 9 wells

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] Working, Royalty or Overriding Royalty Interest Owners
 [B] Offset Operators, Leaseholders or Surface Owner
 [C] Application is One Which Requires Published Legal Notice
 [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] Waivers are Attached

POU
 - WC-025G-09525382
 Bone Spring
 97741
 - WC-025G-09525360
 Upper Wolfcamp

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **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

Stan Wagner
 Signature

Regulatory Analyst

01/21/2016

Print or Type Name

Title

Date

Stan.Wagner@eogresources.com
 e-mail Address

APPLICATION FOR SURFACE POOL/LEASE COMMINGLING & OFF LEASE STORAGE & MEASUREMENT

On May 20, 2015 EOG received approval from the State of New Mexico to surface commingle production from the Brown Bear 36 State #502H, #701H, #702H, and #703H.

On June 3, 2015 EOG received like approval from the New Mexico Oil Conservation Division.

EOG now respectfully requests permission to surface commingle production from the above referenced wells with production from the following wells:

	API	Well Name	Well Number	Location	Pool Code/Name	Status	*Oil API	*Gas BTU
1	30-025-43006	BLACK BEAR 36 STATE	#701H	B-36-25S-33E	[98094] WC-025 G-09 S253336D; UPPER WOLFCAMP	Permitted	47	1287/cft
2	30-025-43007	BLACK BEAR 36 STATE	#702H	B-36-25S-33E	[98094] WC-025 G-09 S253336D; UPPER WOLFCAMP	Permitted	47	1287/cft
3	30-025-43008	BLACK BEAR 36 STATE	#703H	A-36-25S-33E	[98094] WC-025 G-09 S253336D; UPPER WOLFCAMP	Permitted	47	1287/cft
4	30-025-43009	BLACK BEAR 36 STATE	#704H	A-36-25S-33E	[98094] WC-025 G-09 S253336D; UPPER WOLFCAMP	Permitted	47	1287/cft
5	30-025-42839	BROWN BEAR 36 STATE	#704H	N-36-25S-33E	[98094] WC-025 G-09 S253336D; UPPER WOLFCAMP	Permitted	47	1287/cft

* projected, pending completion

Should approval be given, it will also serve as approval to measure and store production from the Black Bear wells off lease since these wells will be located on a different lease than the central tank battery.

General Information:

- State lease NM VB-1513-0001 covers 320 acres, being the W2 of section 36 T25S R33E Lea County, NM. All Brown Bear wells are located on this lease, as is the central tank battery.
- State lease NM VB-1512-0001 covers 320 acres, being the E2 of section 36 T25S R33E Lea County, NM. All Black Bear wells are located on this lease.
- Ownership of all Brown Bear and Black Bear wells is identical (see landman statement attached).
- The central tank battery has already been built and a business lease application has been sent to the State because it is considered "off lease" as to the Black Bear wells.
- Attached is (1) a map that displays the location of each of the wells and the CTB, (2) a process flow diagram, (3) the C-102 plats for each of the wells, and (4) approval letters from the NMOCD and State to commingle production from the Brown Bear 36 State #502H, #701H, #702H, and #703H.

Oil and Gas Metering:

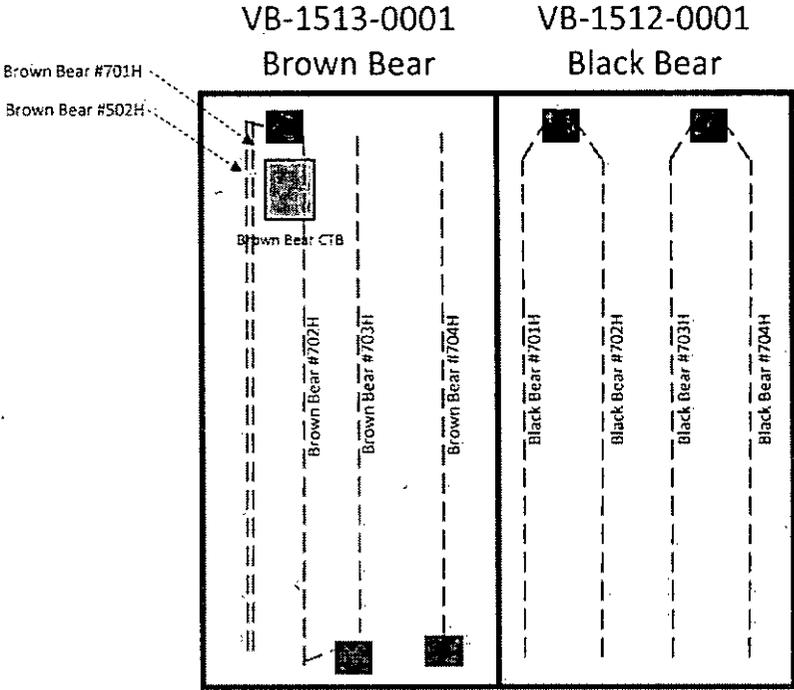
- Brown Bear 36 State #502H production is measured at its dedicated separator which includes: Coriolis meter for oil, senior orifice meter for gas, and turbine meter for water.
- Brown Bear 36 State #701H production is measured at its dedicated separator which includes: Coriolis meter for oil, senior orifice meter for gas, and turbine meter for water.
- Brown Bear 36 State #702H production is measured at its dedicated separator which includes: Coriolis meter for oil, senior orifice meter for gas, and turbine meter for water.
- Brown Bear 36 State #703H production is measured at its dedicated separator which includes: Coriolis meter for oil, senior orifice meter for gas, and turbine meter for water.
- Brown Bear 36 State #704H production is measured at its dedicated separator which includes: Coriolis meter for oil, senior orifice meter for gas, and turbine meter for water.

- Black 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.
- Black Bear 36 State #702H production is measured at its dedicated separator which includes: Coriolis meter for oil, senior orifice meter for gas, and turbine meter for water.
- Black Bear 36 State #703H production is measured at its dedicated separator which includes: Coriolis meter for oil, senior orifice meter for gas, and turbine meter for water.
- Black Bear 36 State #704H production is measured at its dedicated separator which includes: Coriolis meter for oil, senior orifice meter for gas, and turbine meter for water.

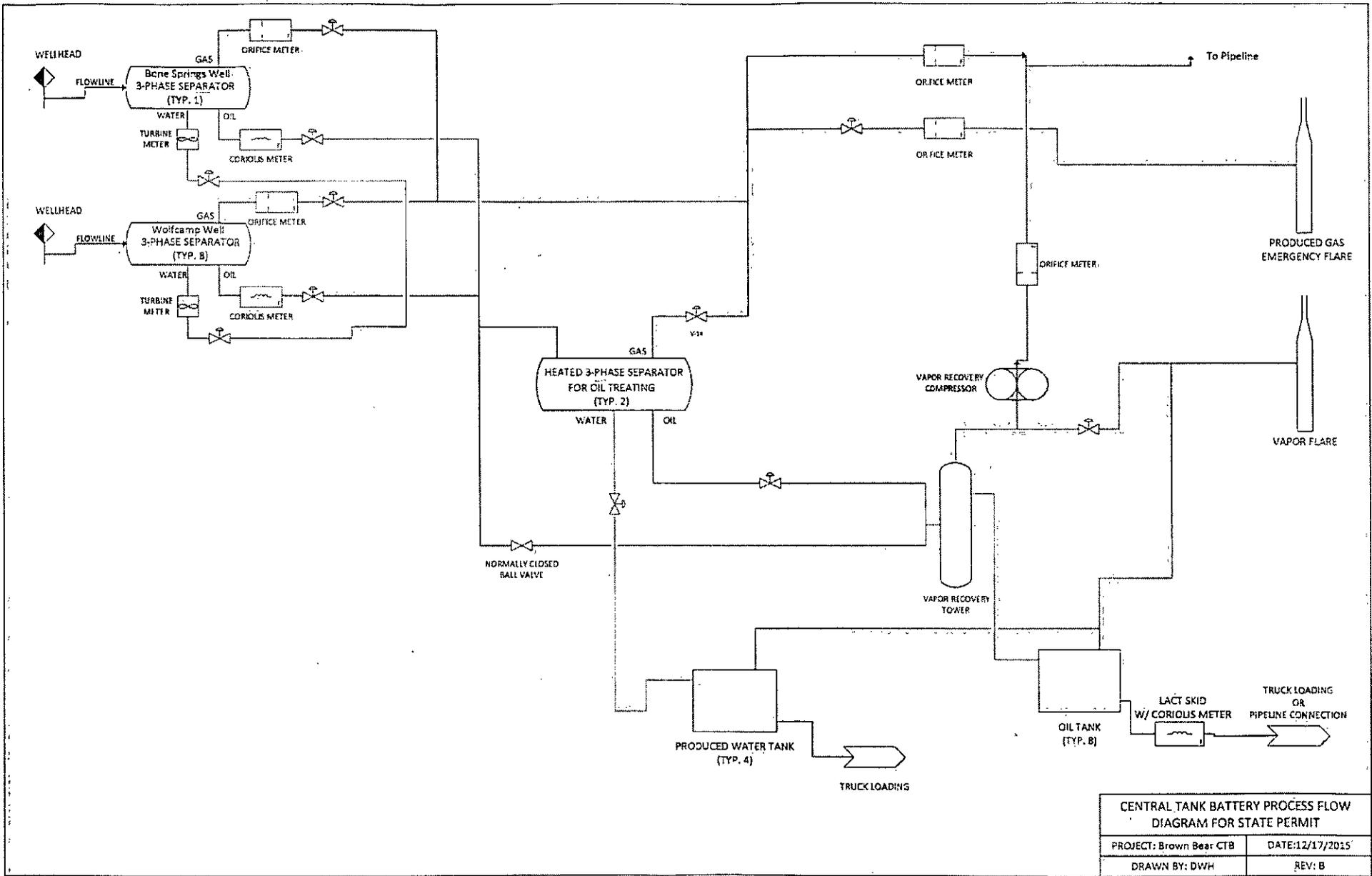
Process and Flow Descriptions:

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.

BROWN/BLACK BEAR WELLS & CTB LAYOUT



Section 36 T25S R33E



CENTRAL TANK BATTERY PROCESS FLOW DIAGRAM FOR STATE PERMIT	
PROJECT: Brown Bear CTB	DATE: 12/17/2015
DRAWN BY: DWH	REV: B

District I
1623 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-4161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1281 Fax: (575) 748-9120
District III
1090 Rio Brazos Road, Atesco, 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.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

HOBBS OCD

MAY 05 2015

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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	366	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.

	<p>17 OPERATOR CERTIFICATION</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 application 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, hereinafter entered by the division.</p> <p><i>Stan Wagner</i> 11/6/14 Signature Date</p> <p>Stan Wagner Printed Name</p> <p>E-mail Address</p>	
	<p>18 SURVEYOR CERTIFICATION</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>08/08/2014 Date of Survey Signature of Surveyor MCCORMICK & CO. PROFESSIONAL SURVEYOR 18329 Certificate Number</p>	

MAY 12 2015

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-4161 Fax: (575) 393-0120

District II
811 S. First St., Azusa, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 331-6178 Fax: (505) 331-8170

District IV
1270 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-1460 Fax: (505) 476-1462

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-42153	Pool Code 98094	Pool Name WC-025 G-09 5253336D; UPPER WC
Property Code 38961	Property Name BROWN BEAR 30 STATE	Well Number 701H
GRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3335'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Id	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 Id	Feet from the	North/South line	Feet from the	East/West line	County
M	36	25-S	33-E	-	230'	SOUTH	380'	WEST	LEA

11 Dedicated Acres 180.00	12 Joint or Infill	13 Consolidation Code	14 Order No.
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	<p>17 OPERATOR CERTIFICATION</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 information was based on 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 subsidiary party, agreement or a compulsory pooling order heretofore entered by the Division.</p> <p><i>Stan Wagner</i> 10/15/14 Signature Date</p> <p>Stan Wagner Printed Name</p> <p>_____ E-mail Address</p>
	<p>18 SURVEYOR CERTIFICATION</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>08/06/2014 Date of Survey Signature MICHAEL J. BROWN NEW MEXICO 10329 PROFESSIONAL SURVEYOR</p> <p>_____ Certificate Number</p>

District I
1623 N. French Dr. Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
311 S. First St. Artesia, NM 88210
Phone: (575) 748-1281 Fax: (575) 748-9720
District III
1000 Rio Hondo Road, Artesia, NM 88210
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

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1220 South St. Francis Dr.
Santa Fe, NM 87505

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? TVD

HOBBS OCD

MAY 08 2015

WELL LOCATION AND ACREAGE DEDICATION PLAT RECEIVED

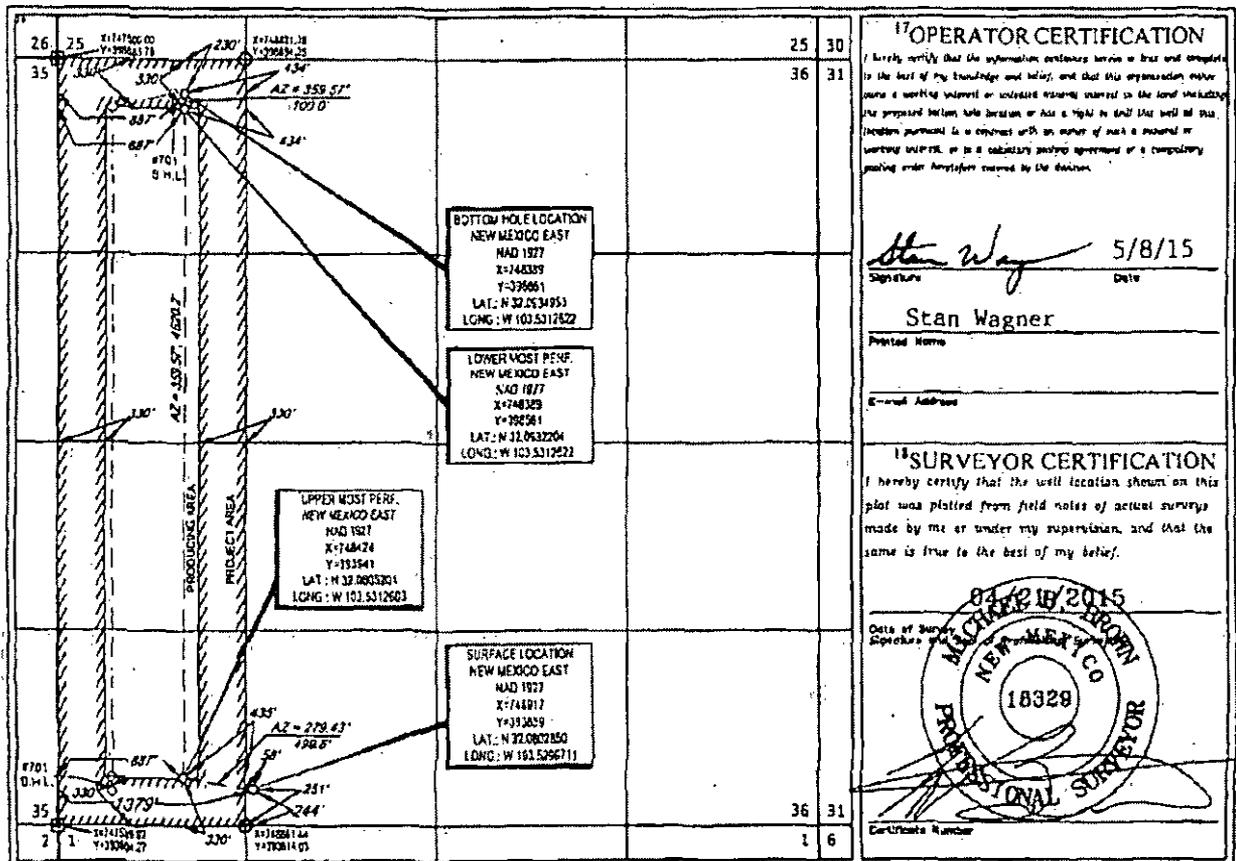
API Number 30-025-42538		Pool Code 98094	Pool Name WC-025 G-09 S253336D; Upper Wolfcamp
Property Code 38961	Property Name BROWN BEAR 36 STATE		Well Number #702H
GRID No. 7377	Operator Name EOG RESOURCES, INC.		Elevation 3319'

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

Dedicated Acres 180.00	Order or Issu	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.



MAY 08 2015

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0920
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Artesia, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
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1220 South St. Francis Dr.
Santa Fe, NM 87505

SUMMARY BHL
HOBBS OGD & TVD

MAY 08 2015

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-42539		Pool Code 98094	Pool Name WC-025 G-09 S253336D; Upper Wolfcamp
Property Code 98094	Property Name BROWN BEAR 36 STATE		Well Number #703H
GRID No. 7377	Operator Name EOG RESOURCES, INC.		Elevation 3318'

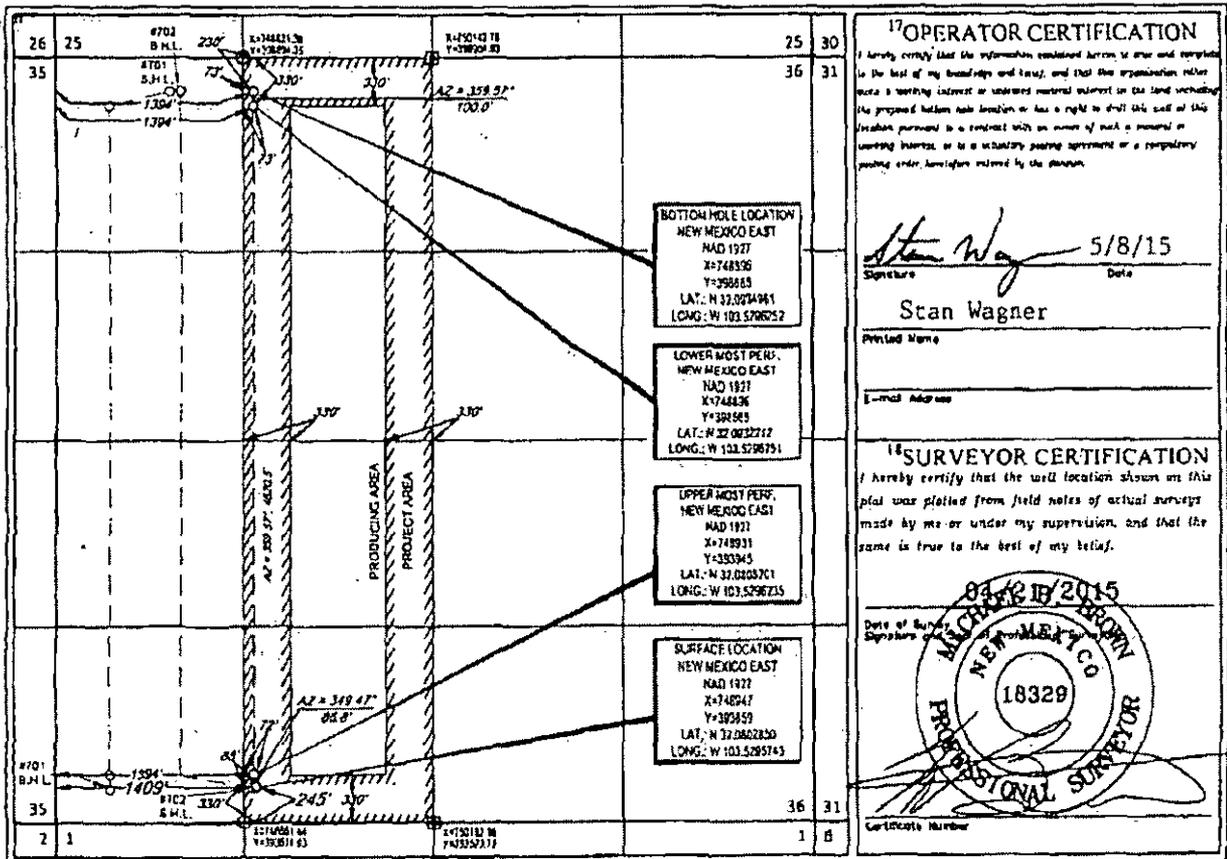
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	38	25-S	33-E	-	245'	SOUTH	1409'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	38	25-S	33-E	-	230'	NORTH	1394'	WEST	LEA

Dedicated Acres 160.00	Joint or In/In	Consolidation Code	Order No.
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MAY 08 2015

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-6720
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 30-025-42839		² Pool Code 98094		³ Pool Name WC-025 G-09 S5253336D; Upper Wolfcamp	
⁴ Property Code 38961		⁵ Property Name BROWN BEAR 36 STATE			⁶ Well Number #704H
⁷ GRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3319'

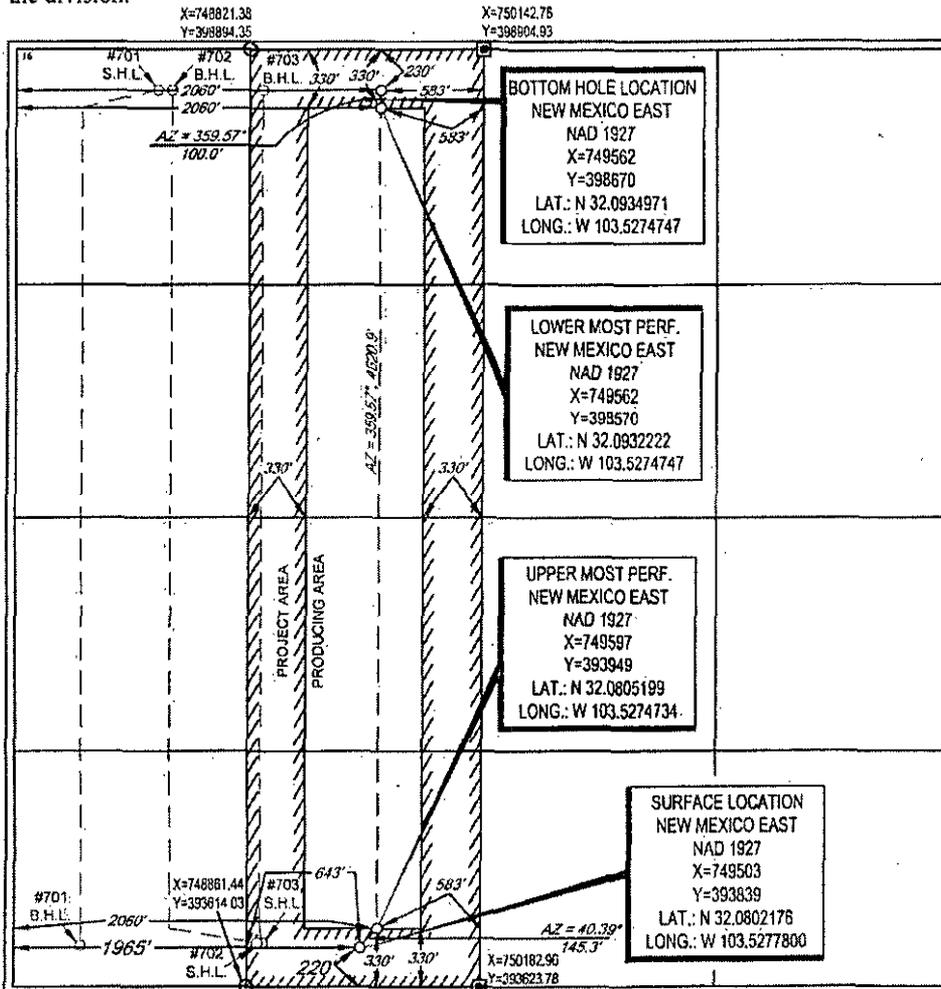
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	36	25-S	33-E	-	220'	SOUTH	1965'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	36	25-S	33-E	-	230'	NORTH	2060'	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.



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 is a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Stan Wagner* Date: 10/7/15
Printed Name: Stan Wagner
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: 09/10/2015
Signature: *[Signature]*
Professional Surveyor
Certificate Number: 18329

District I
 3625 N. French Dr., Hobbs, NM 88249
 Phone: (575) 393-6161 Fax: (575) 393-0720
 District II
 111 S. First St., Artesia, NM 88210
 Phone: (505) 748-1283 Fax: (505) 748-0720
 District III
 1000 Rio Brazos Road, Aztec, NM 87410
 Phone: (505) 334-6178 Fax: (505) 334-6170
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 43006		Pool Code 98094	Pool Name WC-025 G-09 S253336D; Upper Wolfcamp
Property Code 38965	Property Name BLACK BEAR 36 STATE		Well Number #701H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.		Elevation 3334'

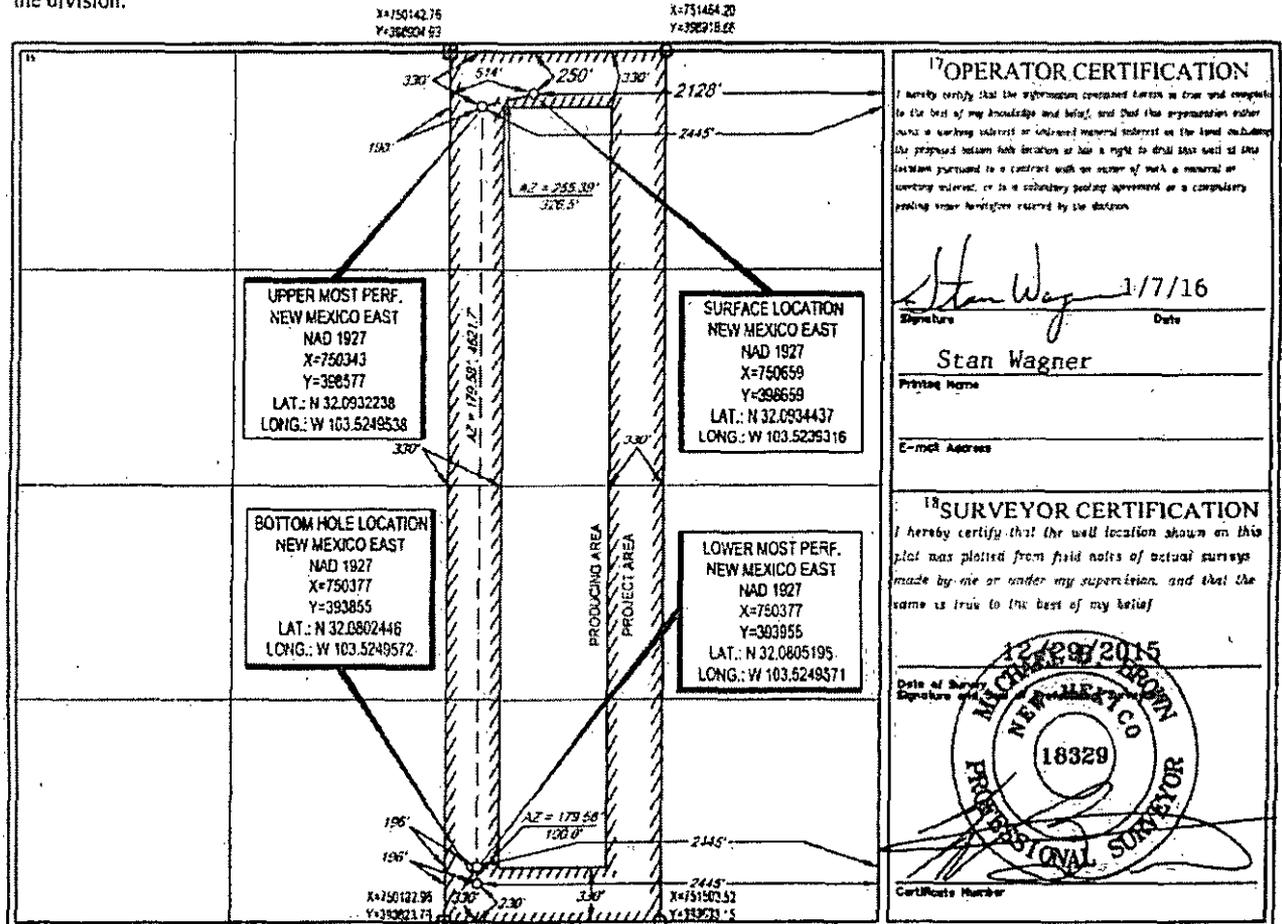
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
B	36	25-S	33-E	-	250'	NORTH	2128'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
0	36	25-S	33-E	-	230'	SOUTH	2445'	EAST	LEA

Dedicated Acres 160.00	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.



5:\SURVEY\EOG_MOU\BLACK_BEAR_36_STATE\FINAL_PRODUCTS\LO_BLACKBEAR36STATE_701H.DWG 14:20:16 9/11/17 AM vesden

JAN 14 2016

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
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-43007	² Pool Code 98094	³ Pool Name WC-025 G-09 S253336D; Upper Wolfcamp
⁴ Property Code 38965	⁵ Property Name BLACK BEAR 36 STATE	
⁶ Well Number #702H	⁷ Operator Name EOG RESOURCES, INC.	
⁸ OGRID No. 7377	⁹ Elevation 3334'	

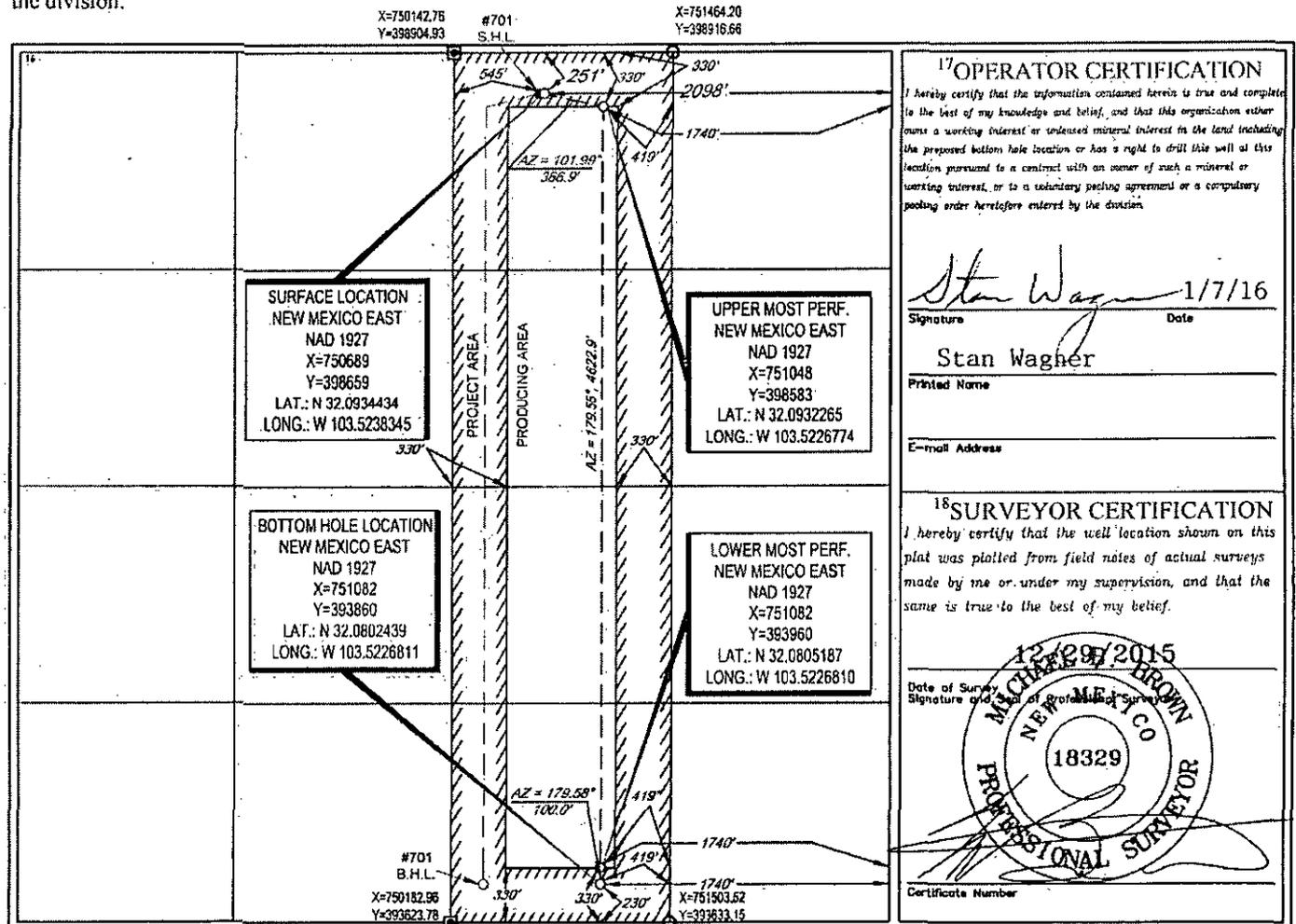
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	36	25-S	33-E	-	251'	NORTH	2098'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	36	25-S	33-E	-	230'	SOUTH	1740'	EAST	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.



District I
1623 N. French Dr., Hobbs, NM 88240
Phone (573) 393-6161 Fax (575) 393-0720
District II
811 S. First St., Arma, NM 83210
Phone (573) 748-1283 Fax (575) 748-9722
District III
1000 Rio Pecos Road, Artec, NM 87410
Phone (505) 434-6178 Fax (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87503
Phone (505) 476-3460 Fax (505) 476-3462

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WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 43008		Pool Code 98094	Pool Name WC-025 G-09 S253336D; Upper Wolfcamp
Property Code 38965	Property Name BLACK BEAR 36 STATE		Well Number #703H
GRID No. 7377	Operator Name EOG RESOURCES, INC.		Elevation 3325'

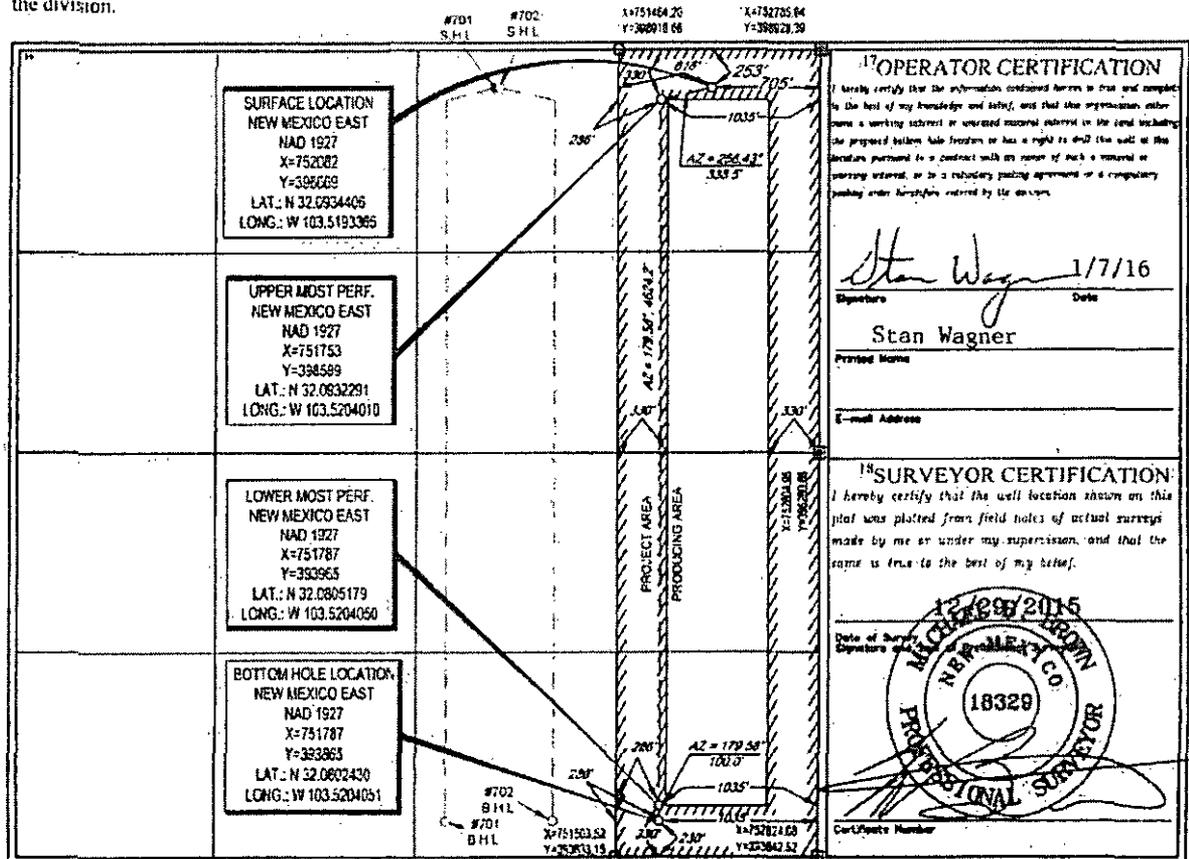
Surface Location

U.L. or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
A	36	25-S	33-E	-	253'	NORTH	705'	EAST	LEA

U.L. or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
P	36	25-S	33-E	-	230'	SOUTH	1035'	EAST	LEA

Dedicated Acres 160.00	Joint or Infill	Consolidation Code	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.



JAN 14 2016

District I
1623 N French Dr. Hobbs, NM 88240
Phone (575) 393-6161 Fax (575) 393-6720
District II
411 S. Turin St. Artesia, NM 88210
Phone (575) 748-1287 Fax (575) 748-4720
District III
1000 Rio Brazos Road, Artesia, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87501
Phone (505) 476-3400 Fax (505) 476-3402

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- 43009		Pool Code 98094	Pool Name WC-025 G-09 S253336D; Upper Wolfcamp
Property Code 38965	Property Name BLACK BEAR 36 STATE		Well Number #704H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.		Elevation 3325'

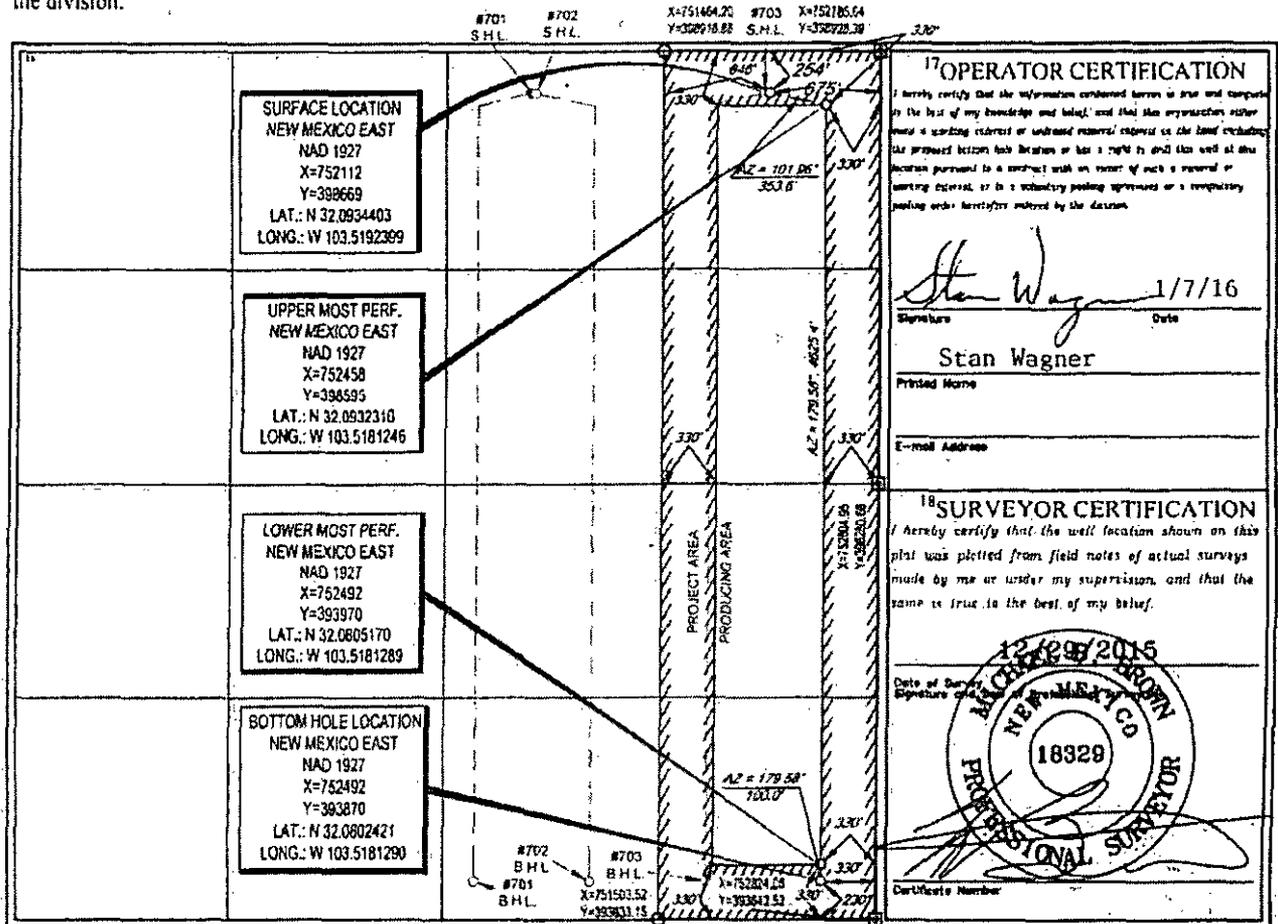
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	36	25-S	33-E	-	254'	NORTH	675'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	25-S	33-E	-	230'	SOUTH	330'	EAST	LEA

Dedicated Acres 160.00	Joint or Total	Consolidation Code	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.



S:\SURVEY\EOG_MIDLAND\BLACK_BEAR_36_STATE\FINAL_PRODUCT\940_BLACKBEAR36STATE_T04H.DWG 1/6/2016 9:13:00 AM ccsam

JAN 1 8 2018



Aubrey Dunn
COMMISSIONER

State of New Mexico
Commissioner of Public Lands

COMMISSIONER'S OFFICE

Phone (505) 827-5760

Fax (505) 827-5766

www.nmstatelands.org

May 20, 2015

310 OLD SANTA FE TRAIL

P.O. BOX 1148

SANTA FE, NEW MEXICO 87504-1148

EOG Resources, Inc.
4000 North Big Spring, Suite 500
Midland, TX 79705

Comng # 1165

Attention: Mr. Stan Wagner

Re: Request Surface Commingle
Brown Bear 36 State Wells
Sec 36-25S-33E
Brown Bear 36 State Well #701H API #30-025-42153
Brown Bear 36 State Well #502H API #30-025-42154
Brown Bear 36 State Well #702H API #30-025-42538
Brown Bear 36 State Well #703H API #30-025-42539
Wildcat; Bone Spring Pool (97741) and Wildcat; Upper Wolfcamp Pool (98094)
Lea County, New Mexico

Dear Mr. Wagner:

We are in receipt of your application requesting to surface commingle the above captioned wells into a central tank battery at Brown Bear 36 State Well #701H.

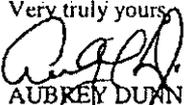
Since it appears that all the New Mexico Oil Conservation Division's rules and regulations have been complied with, and there will be no loss of revenue to the State of New Mexico as a result of your proposed operation, your request is hereby approved. Our approval is subject to like approval by the New Mexico Oil Conservation Division. Please submit a copy of the NMOCD's approval to this office.

Our approval does not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.

Please submit a \$30.00 dollar filing fee. When you provide a check as payment, you authorize the State of New Mexico to either use information from your check to make a one-time electronic fund transfer from your account or to process the payment as a check transaction.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,


AUBREY DUNN
COMMISSIONER OF PUBLIC LANDS

RP/sk

cc: Reader File

OCD-Mr. Daniel Sanchez

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District J - (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: <input type="checkbox"/>		OTHER: <u>PC-1287</u> 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. Reviewed May 6/01/2015
Recommend Approval

EOG Resources proposes to surface commingle, pools from the same lease as follows:
Brown Bear 36 State #701H 30-025-42153 (98094) Wildcat; Upper Wolfcamp
Brown Bear 36 State #702H 30-025-42538 (98094) Wildcat; Upper Wolfcamp
Brown Bear 36 State #703H 30-025-42539 (98094) Wildcat; Upper Wolfcamp
Brown Bear 36 State #502H 30-025-42154 (97741) Wildcat; Bone Spring

Surface commingling details attached.
Representative oil gravity is 46.0 for the Bone Spring and 47.0 for the Wolfcamp.
Representative BTU content attached.

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

Spud Date: Rig Release Date:

Subject Like Approval State Land Office (NMSLO)
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
APPROVED BY: David R. Catanzano TITLE Division Director DATE 6/3/15

Conditions of Approval (if any):



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

Date: January 20, 2016
To: State of New Mexico Oil Conservation Division
Re: Application for Surface Pool/ Lease Commingling & Off Lease Storage & Measurement – Black Bear/Brown Bear

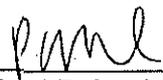
To whom it may concern:

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

1. Brown Bear 36 State #502H
2. Brown Bear 36 State #701H
3. Brown Bear 36 State #702H
4. Brown Bear 36 State #703H
5. Brown Bear 36 State #704H
6. Black Bear 36 State #701H
7. Black Bear 36 State #702H
8. Black Bear 36 State #703H
9. Black Bear 36 State #704H

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

EOG Resources, Inc.

By: 

Paul Boland
Sr. Landman

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
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 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

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.)		WELL API NO. 30-025-42153
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 EOG Resources, Inc.		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 2267 Midland, TX 79702		7. Lease Name or Unit Agreement Name Brown Bear 36 State
4. Well Location Unit Letter D 230 feet from the North line and 805 feet from the West line Section 36 Township 25S Range 33E NMPM County Lea		8. Well Number 701H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3335' GR		9. OGRID Number 7377
10. Pool name or Wildcat WC-025 G-09.S5253336D; Upper WC		

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

NOTICE OF INTENTION TO: 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 type="checkbox"/>		SUBSEQUENT REPORT OF: 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: PC-1287 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. *Reviewed with 6/01/2015*
Recommend Approval

EOG Resources proposes to surface commingle, pools from the same lease as follows:
 Brown Bear 36 State #701H 30-025-42153 (98094) Wildcat; Upper Wolfcamp
 Brown Bear 36 State #702H 30-025-42538 (98094) Wildcat; Upper Wolfcamp
 Brown Bear 36 State #703H 30-025-42539 (98094) Wildcat; Upper Wolfcamp
 Brown Bear 36 State #502H 30-025-42154 (97741) Wildcat; Bone Spring

Surface commingling details attached.
 Representative oil gravity is 46.0 for the Bone Spring and 47.0 for the Wolfcamp.
 Representative BTU content attached.

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

Spud Date: Rig Release Date:

Subject Like Approval State Land Office (NMSLO)
 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
 APPROVED BY: *David R. Cotnam* TITLE Division Director DATE 6/3/15

Conditions of Approval (if any):

Jones, William V, EMNRD

From: Stan Wagner <Stan_Wagner@eogresources.com>
Sent: Friday, May 22, 2015 10:21 AM
To: Jones, William V, EMNRD
Subject: Surface Commingling Info - Brown Bear 36 State
Attachments: Brown Bear 36 St #502 and #701 Gas Analysis.pdf

Good morning Will,

Attached is the BTU information for the Brown Bear 36 State Surface Commingling Application.
Also API oil gravity for the Bone Spring is 46.0 and the Wolfcamp is 47.0.

Thanks,

Stan Wagner
EOG Resources - Midland Regulatory
432-686-3689

From: Shane Brannan
Sent: Friday, May 22, 2015 10:56 AM
To: Stan Wagner
Subject: Brown Bear Gas

Stan,

Please see the attached gas report for this well. This gas sample comes from the flow check, so it combines both the #502H and #701H into a single stream, so I think this is very representative of what you will see going to sales form this CTB. They list the BTU content under several conditions, please see below:

REAL BTU/CU.FT.		
At 14.65	DRY	1309.8
At 14.65	WET	1286.9
At 14.696	DRY	1313.8
At 14.696	WET	1291.5
At 14.73	DRY	1316.8
At 14.73	Wet	1294.1

Thank you,

Production Summary Report
API: 30-025-42154
BROWN BEAR 36 STATE #502H
Printed On: Monday, January 25 2016

		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2015	[97741] WC-025 G-09 S253335K;BONE SPRING	Mar	764	36	1781	31	0	0	0	0	0
2015	[97741] WC-025 G-09 S253335K;BONE SPRING	Apr	25904	44105	62014	30	0	0	0	0	0
2015	[97741] WC-025 G-09 S253335K;BONE SPRING	May	10041	21039	23694	25	0	0	0	0	0
2015	[97741] WC-025 G-09 S253335K;BONE SPRING	Jun	9580	25673	24101	30	0	0	0	0	0
2015	[97741] WC-025 G-09 S253335K;BONE SPRING	Jul	7806	20259	18672	31	0	0	0	0	0
2015	[97741] WC-025 G-09 S253335K;BONE SPRING	Aug	3474	21224	0	22	0	0	0	0	0
2015	[97741] WC-025 G-09 S253335K;BONE SPRING	Sep	5490	10793	13978	30	0	0	0	0	0
2015	[97741] WC-025 G-09 S253335K;BONE SPRING	Oct	4964	12107	12206	31	0	0	0	0	0
2015	[97741] WC-025 G-09 S253335K;BONE SPRING	Nov	5012	13750	12270	30	0	0	0	0	0

Production Summary Report

API: 30-025-42153

BROWN BEAR 36 STATE #701H

Printed On: Monday, January 25 2016

		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Mar	813	299	1503	31	0	0	0	0	0
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Apr	45957	75858	83659	30	0	0	0	0	0
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	May	20632	35513	29327	26	0	0	0	0	0
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Jun	18956	31856	28803	30	0	0	0	0	0
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Jul	15812	24391	25687	26	0	0	0	0	0
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Aug	7544	14718	0	14	0	0	0	0	0
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Sep	3663	6899	15999	9	0	0	0	0	0
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Oct	12737	25889	35379	31	0	0	0	0	0
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Nov	11245	18790	24845	30	0	0	0	0	0

Production Summary Report
API: 30-025-42538
BROWN BEAR 36 STATE #702H
Printed On: Monday, January 25 2016

		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Aug	8973	1973	0	31	0	0	0	0	0
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Sep	14269	21056	25438	10	0	0	0	0	0
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Oct	35045	48880	29742	31	0	0	0	0	0
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Nov	20523	28707	26462	30	0	0	0	0	0

Production Summary Report
API: 30-025-42539
BROWN BEAR 36 STATE #703H
Printed On: Monday, January 25 2016

		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Aug	11512	1973	0	31	0	0	0	0	0
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Sep	19183	26154	25246	9	0	0	0	0	0
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Oct	36527	57780	45026	31	0	0	0	0	0
2015	[98094] WC-025 G-09 S253336D;UPPER WOLFCAMP	Nov	23093	34842	29757	30	0	0	0	0	0



LABORATORY

Natural Gas Analysis

www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

For: EOG Resources Inc.
Attention: Tyler Cox
5626 Tatum Hwy
Lovington, New Mexico 88260

Sample: Sta. # 60389006 (NM)
Identification: Brown Bear 36 502&703 FC
Company: EOG Resources
Lease:
Plant:

Sample Data: Date Sampled 4/7/2015 10:00 AM
Analysis Date 4/9/2015
Pressure-PSIA 106
Sample Temp F 95
Atmos Temp F
Sampled by: Casey Ragsdale
Analysis by: Vicki McDaniel

H2S = 0 Press. Base: 14.73

Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H2S	0.000	
Nitrogen	N2	1.328	
Carbon Dioxide	CO2	1.333	
Methane	C1	72.019	
Ethane	C2	13.866	3.699
Propane	C3	7.297	2.005
I-Butane	IC4	0.824	0.269
N-Butane	NC4	1.959	0.616
I-Pentane	IC5	0.392	0.143
N-Pentane	NC5	0.422	0.153
Hexanes Plus	C6+	0.560	0.242
		100.000	7.127

REAL BTU/CU.FT.
At 14.65 DRY 1309.8
At 14.65 WET 1286.9
At 14.696 DRY 1313.8
At 14.696 WET 1291.5
At 14.73 DRY 1316.8
At 14.73 Wet: 1294.1

Specific Gravity
Calculated 0.7812

Molecular Weight 22.6260

✓ New "89" G@
enter in all related notes 4/16