

DATE IN 5/21/2015	SUSPENSE	ENGINEER WJS	LOGGED IN 5/21/2015	TYPE PLC	APP NO PMA154158245
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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 _____

[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

[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
Print or Type Name

see C-103
Signature

Title

Date

e-mail Address

PLC 1287
 - EOG RESOURCES
 7377
 - WCH
 - BROWN BEAR 36
 STATE # 7014
 30-025-42154
 - BROWN BEAR 36
 STATE # 7014
 30-025-42153
 - BROWN BEAR 36
 STATE # 7014
 30-025-42538
 - BROWN BEAR 36
 STATE # 7014
 30-025-42539
 - WCH
 30-025-42539
 5253336 D, 4 WCH
 WCH CAMP 24092
 - WCH
 STATE # 7014
 30-025-42539
 525
 335K's
 BONE SPRING
 97741

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.

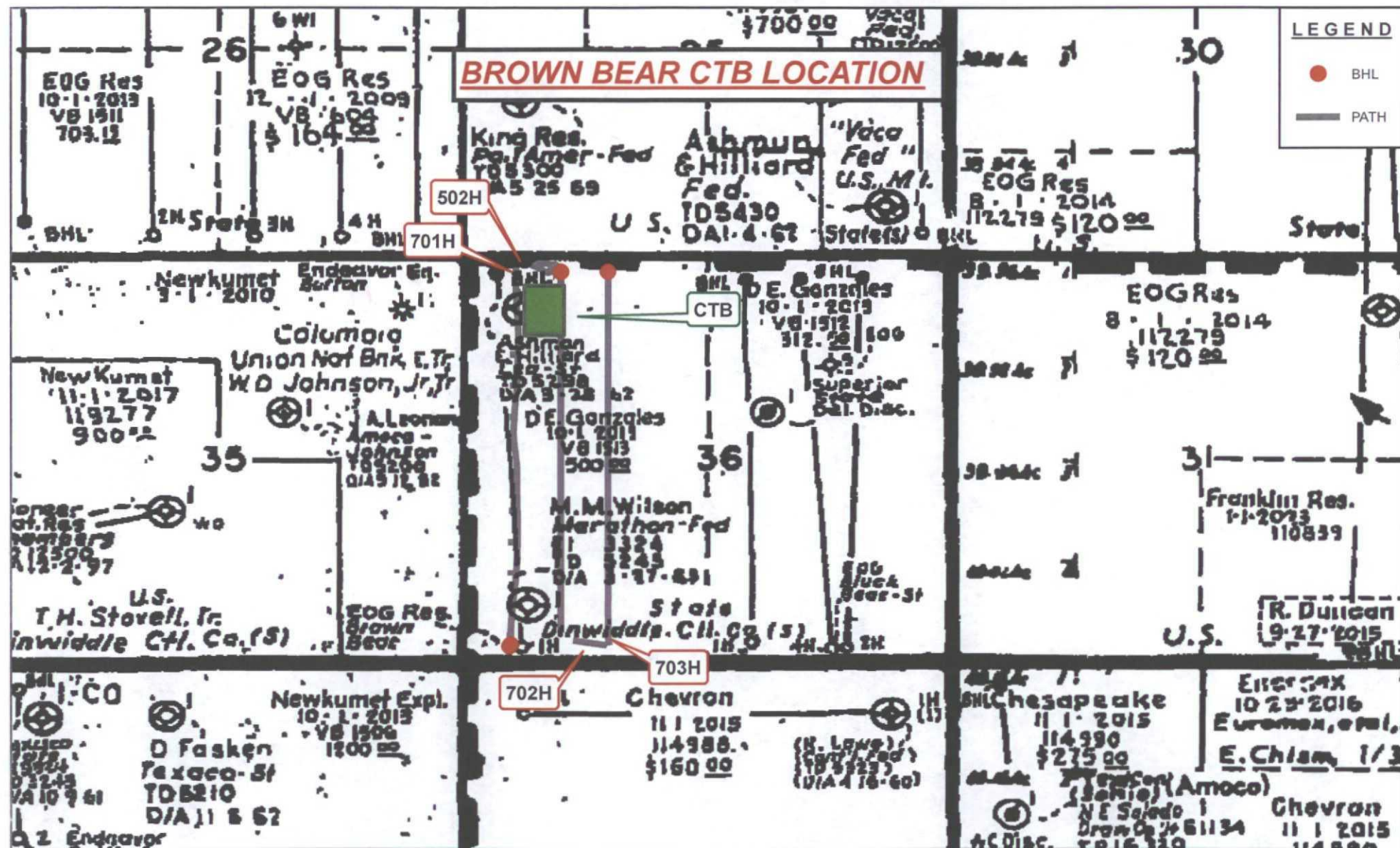
Process and Flow Descriptions:

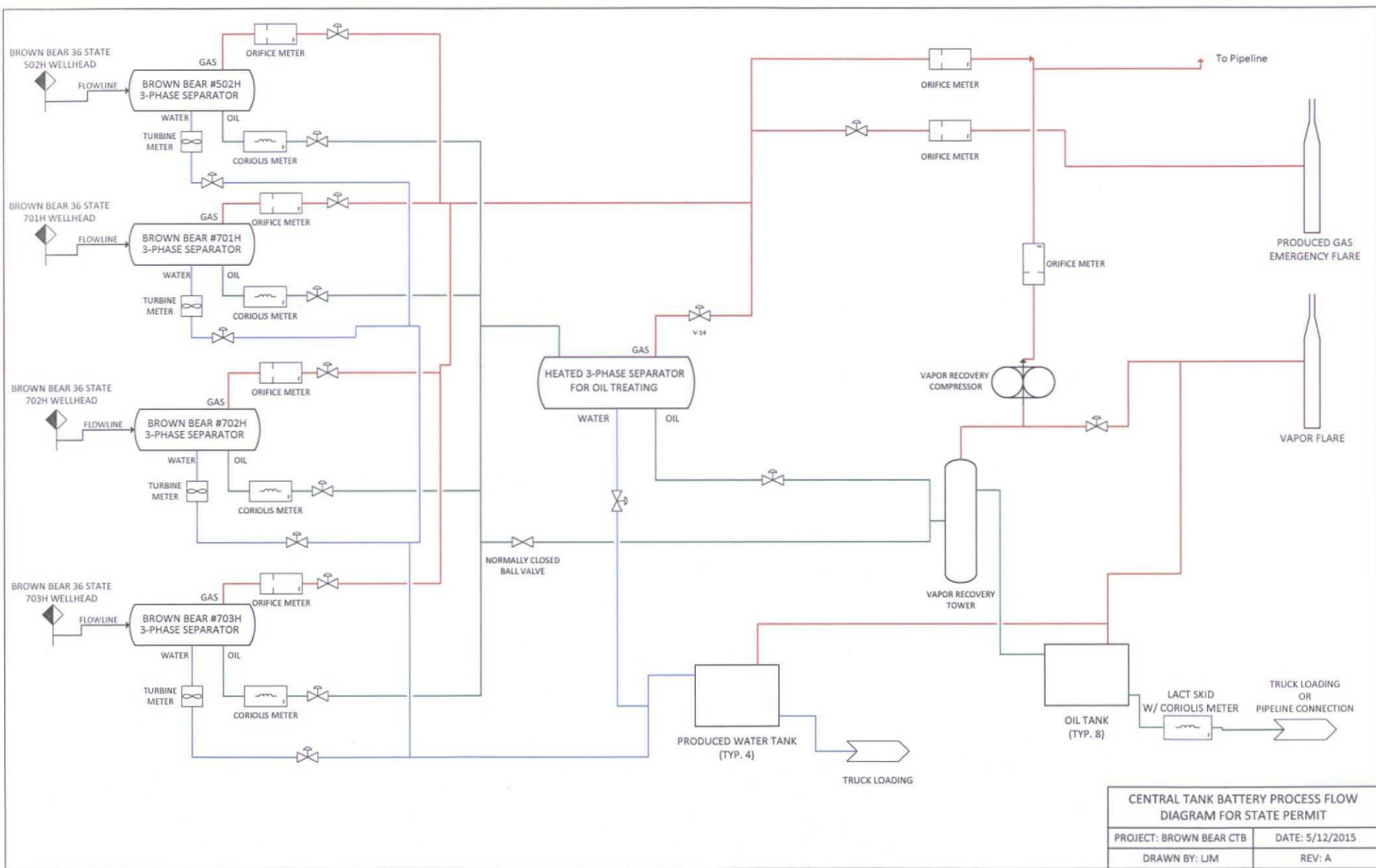
The production from each well will flow into a dedicated 3-phase separator. The production stream will be separated into 3 independent streams (gas, oil, and water) by the separator and each stream will be measured individually after it exits the separator. The gas will be measured using a senior orifice 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.

BROWN BEAR CTB LOCATION

LEGEND

- BHL
- PATH





MAY 12 2015

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., 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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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	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

¹¹ Dedicated Acres 180.00	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>¹⁷OPERATOR 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 operation authorizes 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.</p> <p>Signature: <i>Stan Wagner</i> Date: 10/15/14</p> <p>Printed Name: Stan Wagner</p> <p>E-mail Address:</p>
	<p>¹⁸SURVEYOR 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>Date of Survey: 09/08/2014</p> <p>Signature: <i>Michael E. Brown</i></p> <p>Professional Surveyor Seal: MICHAEL E. BROWN, NEW MEXICO, 18329</p> <p>Certificate Number:</p>
	<p>¹⁹Surface Location</p> <p>NEW MEXICO EAST NAD 1927 X=748307 Y=398660 LAT.: N 32.0934351 LONG.: W 103.3315270</p> <p>²⁰Upper Most Perf.</p> <p>NEW MEXICO EAST NAD 1927 X=747882 Y=398557 LAT.: N 32.0932196 LONG.: W 103.5328992</p> <p>²¹Lower Most Perf.</p> <p>NEW MEXICO EAST NAD 1927 X=747917 Y=398337 LAT.: N 32.0805202 LONG.: W 103.5328972</p> <p>²²Bottom Hole Location</p> <p>NEW MEXICO EAST NAD 1927 X=747918 Y=398337 LAT.: N 32.0802453 LONG.: W 103.5328971</p>
	<p>26 25 30 31</p> <p>35 36</p> <p>2 1 1 6</p>

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

SLAIDZY BHL
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
OGRID No. 7377		Operator Name EOG RESOURCES, INC.			Elevation 3319'

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	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 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.

		<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 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.</p> <p>Signature: <i>Stan Wagner</i> Date: 5/8/15</p> <p>Printed Name: Stan Wagner</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>Date of Survey: 05/08/2015</p> <p>Signature: <i>Michael Brown</i></p> <p>Professional Surveyor Seal: 18329</p> <p>Certificate Number:</p>		<p>19 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>Date of Survey: 05/08/2015</p> <p>Signature: <i>Michael Brown</i></p> <p>Professional Surveyor Seal: 18329</p> <p>Certificate Number:</p>	

S:\SURVEY\EOG_MIDLAND\BROWN_BEAR_36_STATE\INAL_PRODUCING\BROWN BEAR 36 STATE_702H_REV1.DWG 5/7/2015 10:24:40 AM cccan

MAY 08 2015

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

SUMMARY BHL
HOBBS OCD
MAY 08 2015
RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

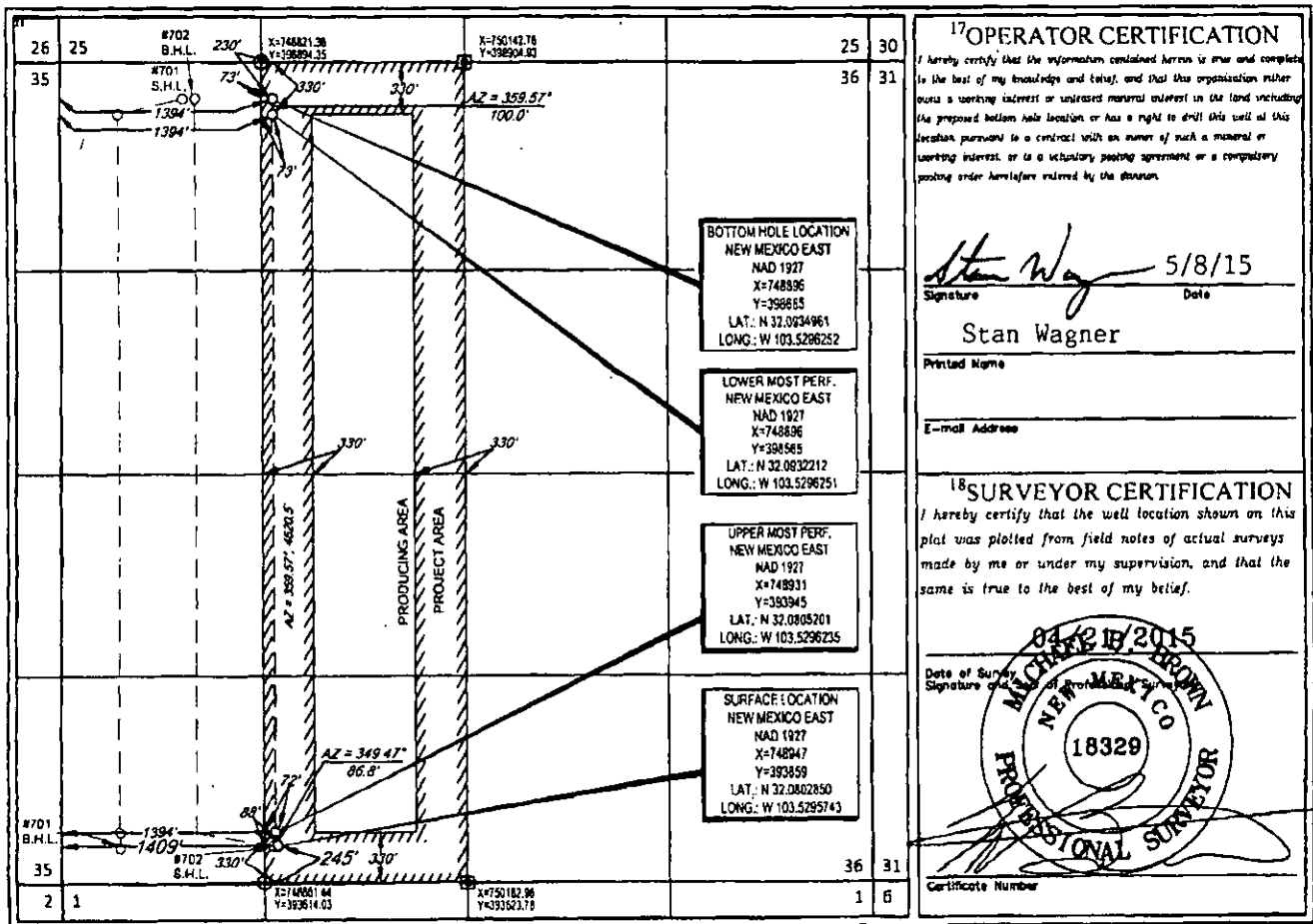
API Number 30-025-42539		Pool Code 98094		Pool Name WC-025 G-09 S253336D; Upper Wolfcamp	
Property Code 98094		Property Name BROWN BEAR 36 STATE			Well Number #703H
OGRID No. 7377		Operator Name EOG RESOURCES, INC.			Elevation 3318'

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	36	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	36	25-S	33-E	-	230'	NORTH	1394'	WEST	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.



\\S:\SURVEY\BGC_MIDLAND\BROWN_BEAR_36_STATE\FINAL_PRODUCT\BGC_BROWNBEAR36STATE_703H_REV1.DWG 5/7/2015 10:24:58 AM ccsallan

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: 
Paul Boland
Sr. Landman

Well	Production Pool(s)	Oil Prod	Gas Prod	Wtr Prod
Brown Bear 36 #701H	WC-025 G-09 S253335K;BONE SPRING+WC-025 G-09 S253336D;UPPER WOLFCAMP	813	168	203
Brown Bear 36 #502H	WC-025 G-09 S253335K;BONE SPRING	764	399	546

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 from 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,



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+	<u>0.560</u>	<u>0.242</u>
		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 mtr 4/16