

DATE IN 9.26.11	RESPONSE 10/25/11	ENGINEER WVJ	LOGGED IN 9.26.11	TYPE DHC (4481)	APP NO. 1126949474
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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



Apache  
 RECEIVED OCD

2011 SEP 26 A 12:11

**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 \_\_\_\_\_

*(Handwritten signature/initials)*

[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.

REESA HOLLAND  
 Print or Type Name

*Reesa Holland*  
 Signature

SR ENGR TECH  
 Title

9/22/2011  
 Date

Reesa.Holland@apachecorp.com  
 e-mail Address

CORRECTED

District I  
1625 N. French Drive, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised June 10, 2003

District II  
1301 W. Grand Avenue, Artesia, NM 88210

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

APPLICATION TYPE  
☒ Single Well  
Establish Pre-Approved Pools  
EXISTING WELLBORE  
☐ Yes ☒ No

District III  
1000 Rio Brazos Road, Amar, NM 87410

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

## APPLICATION FOR DOWNHOLE COMMINGLING

Apache Corporation 303 Veterans Airpark Lane Suite 3000 Midland TX 79705  
Operator Address  
Eugene Wood 020 A 22 22S 37E Lea  
Lease Well No. Unit Letter-Section-Township-Range County  
OGRID No. 873 Property Code 26466 API No. 30-025-40209 Lease Type: ☐ Federal ☐ State ☒ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	<u>UNDES.</u> Paddock	Blinbry Oil & Gas (Oil)	Tubb Oil & Gas (Oil)
Pool Code	49210	6660	60240
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	5090'-5152'	5450'-5665'	5950'-6170'
Method of Production (Flowing or Artificial Lift)	Artificial Lift	Artificial Lift	Artificial Lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	N/A	N/A	N/A
Oil Gravity or Gas BTU (Degree API or Gas BTU)	35.2	35.2	35.2
Producing, Shut-In or New Zone	New Zone	New Zone	New Zone
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: See Attached Rates: See Attached	Date: See Attached Rates: See Attached	Date: See Attached Rates: See Attached
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 41 % 6 %	Oil Gas 12 % 38 %	Oil Gas 8 % 22 %

5 POOLS  
→

## ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐  
Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐  
Will commingling decrease the value of production? Yes ☐ No ☒  
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes ☐ No ☐  
NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

## Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

## PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools  
List of all operators within the proposed Pre-Approved Pools  
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.  
Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Reesa Holland TITLE Sr. Engineering Tech DATE 9/22/2011  
TYPE OR PRINT NAME Reesa Holland TELEPHONE NO. (432) 818-1062  
E-MAIL ADDRESS Reesa.Holland@apachecorp.com

CORRECTED

District I  
1625 N. French Drive, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised June 10, 2003

District II  
1301 W. Grand Avenue, Artesia, NM 88210

**Oil Conservation Division**  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

APPLICATION TYPE

☒ Single Well

☐ Establish Pre-Approved Pools

EXISTING WELLBORE

☐ Yes ☒ No

District III  
1000 Rio Brazos Road, Aztec, NM 87410

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

**APPLICATION FOR DOWNHOLE COMMINGLING**

Apache Corporation 303 Veterans Airpark Lane Suite 3000 Midland TX 79705  
Operator Address  
Eugene Wood 020 A 22 22S 37E Lea  
Lease Well No. Unit Letter-Section-Township-Range County  
OGRID No. 873 Property Code 26466 API No. 30-025-40209 Lease Type: ☐ Federal ☒ State ☒ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Drinkard	Wantz; Abo	
Pool Code	19190	62700	
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	6275'-6510'	6610'-6700'	
Method of Production (Flowing or Artificial Lift)	Artificial Lift	Artificial Lift	
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	N/A	N/A	
Oil Gravity or Gas BTU (Degree API or Gas BTU)	35.2	35.2	
Producing, Shut-In or New Zone	New Zone	New Zone	
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: See Attached Rates: See Attached	Date: See Attached Rates: See Attached	Date: Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 28 % 25 %	Oil Gas 11 % 9 %	Oil Gas % %

**ADDITIONAL DATA**

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐  
Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐  
Will commingling decrease the value of production? Yes ☐ No ☒  
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands  
or the United States Bureau of Land Management been notified in writing of this application? Yes ☐ No ☐

NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

**Attachments:**

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List of all operators within the proposed Pre-Approved Pools  
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.  
Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Reesa Holland TITLE Sr. Engineering Tech DATE 9/22/2011

TYPE OR PRINT NAME Reesa Holland TELEPHONE NO. ( 432 ) 818-1062

E-MAIL ADDRESS Reesa.Holland@apachecorp.com

## District I

1625 N. French Dr., Hobbs, NM 88240

## District II

1301 W. Grand Avenue, Artesia, NM 88210

## District III

1000 Rio Brazos Rd., Aztec, NM 87410

## District IV

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

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 October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-40209	<sup>2</sup> Pool Code 49210	<sup>3</sup> Pool Name Paddock
<sup>4</sup> Property Code 26466	<sup>5</sup> Property Name Eugene Wood	<sup>6</sup> Well Number 020
<sup>7</sup> OGRID No. 873	<sup>8</sup> Operator Name Apache Corporation: 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705	<sup>9</sup> Elevation 3362' GL

<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
A	22	22S	37E		330	North	890	East	Lea

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 40	<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.

16				<b><sup>17</sup> OPERATOR CERTIFICATION</b> 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: <u>Reesa Holland</u> Date: <u>09/16/2011</u>
				Printed Name: <u>Reesa Holland</u>
				<b><sup>18</sup> SURVEYOR CERTIFICATION</b> 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 and correct to the best of my belief.
				Date of Survey: _____ Signature and Seal of Professional Surveyor: _____
				Certificate Number: _____

## District I

1625 N. French Dr., Hobbs, NM 88240

## District II

1301 W. Grand Avenue, Artesia, NM 88210

## District III

1000 Rio Brazos Rd., Aztec, NM 87410

## District IV

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

## State of New Mexico

Energy, Minerals &amp; Natural Resources Department

## OIL CONSERVATION DIVISION

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## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-40209	<sup>2</sup> Pool Code 6660	<sup>3</sup> Pool Name Blinebry Oil & Gas (Oil)
<sup>4</sup> Property Code 26466	<sup>5</sup> Property Name Eugene Wood	<sup>6</sup> Well Number 020
<sup>7</sup> OGRID No. 873	<sup>8</sup> Operator Name Apache Corporation: 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705	<sup>9</sup> Elevation 3362' GL

<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
A	22	22S	37E		330	North	890	East	Lea

<sup>11</sup> Bottom Hole Location If Different From Surface

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					Reesa Holland 09/02/2011 Signature Date
					Reesa Holland Printed Name
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					Certificate Number

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## District II

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## District III

1000 Rio Brazos Rd., Aztec, NM 87410

## District IV

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

## State of New Mexico

Energy, Minerals &amp; Natural Resources Department

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Santa Fe, NM 87505

Form C-102

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## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-40209	<sup>2</sup> Pool Code 60240	<sup>3</sup> Pool Name Tubb Oil & Gas (Oil)
<sup>4</sup> Property Code 26466	<sup>5</sup> Property Name Eugene Wood	<sup>6</sup> Well Number 020
<sup>7</sup> OGRID No. 873	<sup>8</sup> Operator Name Apache Corporation: 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705	<sup>9</sup> Elevation 3362' GL

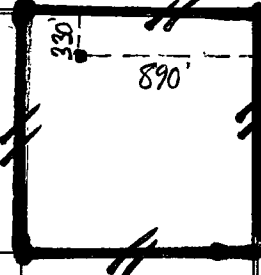
<sup>10</sup> Surface Location

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A	22	22S	37E		330	North	890	East	Lea

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<div data-bbox="107 991 133 1012" data-label="Text">16</div> 	<div data-bbox="1081 991 1438 1023" data-label="Section-Header"><sup>17</sup> OPERATOR CERTIFICATION</div> <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 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.</p>	
	<div data-bbox="1032 1236 1325 1300" data-label="Text">Reesa Holland</div> <div data-bbox="1032 1278 1105 1300" data-label="Text">Signature</div>	<div data-bbox="1357 1236 1479 1268" data-label="Text">09/02/2011</div> <div data-bbox="1325 1278 1357 1300" data-label="Text">Date</div>
	<div data-bbox="1032 1310 1195 1332" data-label="Text">Reesa Holland</div> <div data-bbox="1032 1353 1130 1374" data-label="Text">Printed Name</div>	
	<div data-bbox="1032 1459 1455 1502" data-label="Section-Header"><sup>18</sup> SURVEYOR CERTIFICATION</div> <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 and correct to the best of my belief.</p>	
	<div data-bbox="1032 1683 1146 1704" data-label="Text">Date of Survey</div>	
	<div data-bbox="1032 1715 1341 1736" data-label="Text">Signature and Seal of Professional Surveyor:</div>	
	<div data-bbox="1032 1885 1162 1906" data-label="Text">Certificate Number</div>	

## District I

1625 N. French Dr., Hobbs, NM 88240

## District II

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## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-40209	<sup>2</sup> Pool Code 19190	<sup>3</sup> Pool Name Drinkard
<sup>4</sup> Property Code 26466	<sup>5</sup> Property Name Eugene Wood	<sup>6</sup> Well Number 020
<sup>7</sup> OGRID No. 873	<sup>8</sup> Operator Name Apache Corporation: 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705	<sup>9</sup> Elevation 3362' GL

<sup>10</sup> Surface Location

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		Date of Survey Signature and Seal of Professional Surveyor:
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## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-40209	<sup>2</sup> Pool Code 62700	<sup>3</sup> Pool Name Wantz; Abo
<sup>4</sup> Property Code 26466	<sup>5</sup> Property Name Eugene Wood	<sup>6</sup> Well Number 020
<sup>7</sup> OGRID No. 873	<sup>8</sup> Operator Name Apache Corporation: 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705	<sup>9</sup> Elevation 3362' GL

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				Certificate Number





September 16, 2011

Mr. Paul Kautz  
New Mexico Oil Conservation Division  
1625 N French Drive  
Hobbs, New Mexico 88240

RE: Application for Exception to Rule 303-C – Downhole Commingling  
Eugene Wood #20 API 30-025-40209  
Unit A, Section 22, T22S, R37E  
Paddock 49210, Blinbry Oil & Gas (Oil) 6660, Tubb Oil & Gas (Oil) 60240,  
Drinkard 19190, & Wantz; Abo 62700  
Lea County, New Mexico

Dear Mr. Kautz,

Enclosed please find form C-103 and attachments for downhole commingling the captioned well. The ownerships (WI, NRI and ORRI) of these pools are identical in this wellbore. The fluids from each of these pools are compatible as seen in other similar commingles in the area. Combining these fluids will not result in any damage to these pools. Commingling will improve the efficiency of present and future recovery operations. Cross flow will not be a problem due to having a production lift system capable of keeping the well pumped off thereby maximizing production. This commingling will not reduce the value of the total remaining production.

The allocation method used for this well was determined by analyzing the cumulative oil, gas and water production in a nine section area of review surrounding this well. Supporting documentation is shown on the attached spreadsheet. Production for active and inactive wells was grouped by pool in the area of review. The totals for each phase were then divided by the number of wells associated with this pool yielding an average. This average was used to determine the percentage allocation.

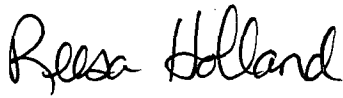
The main reason for using this method is based on economics and minimizing reservoir damage. Past completion practices had all three zones perforated and fracture stimulated during one full week. Each zone was isolated by a retrievable bridge plug to allow for production testing of each zone for allocation purposes. This testing period lasted as long as one month before a stabilized rate was observed thus allowing the next zone to be brought on and tested. During this time period the completion fluids used were still confined to the other reservoirs causing gel damage. It is a common practice to get these fluids out of the wellbore as soon as possible to help maximize productivity. On a cost basis it is more expensive to have a completion rig move in and out multiple times to bring on

each new zone. Several other factors such as weather, other new completions and regulatory well work may interfere with these new wells.

The area of review used encompasses what has been accepted as a good statistical representation for allocation purposes. By using this allocation method all zones will be brought online in a more effective and efficient manner. This will in turn generate a higher productive rate and quicker revenue streams not only for the operator but for the State of New Mexico too.

If you need additional information or have any questions, please give me a call at (432) 818-1062.

Sincerely,

A handwritten signature in cursive script that reads "Reesa Holland". The signature is written in black ink and is positioned below the word "Sincerely,".

**Reesa Holland**  
**Sr. Engineering Technician**

Lease Name	Well Number	10DIGIT API	Location	Paddock	Blindery	Tubbs	Drinkard	Abbo	Paddock	Blindery	Tubbs	Drinkard	Abbo	Paddock	Blindery	Tubbs	Drinkard	Abbo
HUGH	1	3002510257	14D 22S 37E	150669	8851		8950	1036	18844	1206131		1250674	766159	214	3362		1542	2072
HUGH	3	3002510259	14B 22S 37E		37853		181611			582693		2329786			44381		6940	
HUGH	4	3002510260	14A 22S 37E		35796	22018	17938			1116361	3768254	714241			42883	794	1033	
HUGH	5	3002510261	14C 22S 37E		17		99430	96174		361439		1258098	1961999		1245		5048	25804
HUGH	6	3002510262	14H 22S 37E W2 SE NE		35053	9158	78026			6416885	378538	870550			8429	16902	1038	
PARKS	2	3002510263	14M 22S 37E SW SW	24471	19289	295	216327		165469	450167	3677	520696		36780	24791	681	22345	
HUGH	7	3002510264	14C 22S 37E		95318	36749	32591			7885627	3031889				13092	862		
PARKS A	3	3002510266	14P 22S 37E		26957	62	86594	15740		1226572	4483	1118258	268038		7502	76	5071	6137
PARKS A	4	3002510267	14I 22S 37E		1405	74571	96402			12713	3487157	2190709			186		5615	
PARKS A	5	3002510268	14O 22S 37E		87278		73247			8011424		562976			10783		40166	
PARKS	6	3002510269	14L 22S 37E NW SW		46993	43622	5226			4778480	4011052	1393761			13	17	6434	
E W WALDEN	2	3002510270	15K 22S 37E		35665		77096			1805356		605082			60032		400	
E W WALDEN	3	3002510271	15N 22S 37E NE SE SW	24179		4181			99420		115564			247463		6153		
E W WALDEN	4	3002510272	15L 22S 37E		24450		22935			215943		1864259			20781		203	
E W WALDEN	5	3002510273	15M 22S 37E			45790	82667			935846					11434			
E W WALDEN	6	3002510274	15M 22S 37E		34959	1272	131901			140609	27868	545864			119096		1875	
E W WALDEN	7	3002510275	15N 22S 37E		49922		105280			2809270		818229			51038		2295	
ELLIOTT B 15	1	3002510277	15G 22S 37E				1295			326263	110061	170016					4424	
ELLIOTT B 15	2	3002510279	15I 22S 37E				31014					854475					32824	
ELLIOTT B 15	3	3002510281	15J 22S 37E			51596	60742				2212244	1438688				4364	8045	
ELLIOTT A 15	4	3002510282	15O 22S 37E				146973					1485139					12678	
ELLIOTT A 15	5	3002510283	15P 22S 37E				17362				858071					9659		
ELLIOTT A 15	6	3002510284	15P 22S 37E		33474		114609			5378115		1331396			5097		24891	
WALDEN A	5	3002510291	15E 22S 37E SE SW NW		13890					369223					9811		24046	
ELLIOTT A 15	2	3002510293	15J 22S 37E SW NW SE			2656	131568				220146	3109005				871	17181	
ELLIOTT B 15	1	3002510294	15B 22S 37E				118315					2545974					32907	
ELLIOTT A 15	1	3002510298	15J 22S 37E		14722				154284					84615				
ELLIOTT B 15	2	3002510299	15A 22S 37E	241034					1024632					189336				
ELLIOTT B 15	3	3002510300	15B 22S 37E		66011													
WALDEN A	3	3002510301	15F 22S 37E SE SE NW			13898	171520			369281		815606			9852		70419	
ELLIOTT B 15	4	3002510302	15A 22S 37E			15317	75140			7903026		3051798			878		6275	
E W WALDEN	3	3002510304	15C 22S 37E		20703		106			6445701	741411				2507	31		
E W WALDEN	4	3002510305	15C 22S 37E				149366				1238405	512755				91	1313	
E W WALDEN	5	3002510306	15E 22S 37E	116168			70559		461189					86430			13310	
E W WALDEN	6	3002510308	15D 22S 37E				9442					1783648						
ELLIOTT B 15	7	3002510309	15H 22S 37E C SE NE	14846					28196					970				
R E COLE NCT A	4	3002510316	16A 22S 37E				37590					730549					34931	
R E COLE NCT A	5	3002510318	16I 22S 37E NE NE SE			4643	25949			1112149		1058620					12927	
R E COLE NCT A	6	3002510319	16B 22S 37E	774	47823	466				3158105	134227				28112			
R E COLE NCT A	7	3002510320	16H 22S 37E				13695	1433				230750	24092				3777	1895
GULF STATE	1	3002510327	16C 22S 37E		154444					3850847					1634			
EUGENE WOOD	7	3002510382	22A 22S 37E		17327	41297	68435			171533	1469351	563784			46101	2432	167	
EUGENE WOOD	8	3002510393	22B 22S 37E				95181					1412329					403	
EUGENE WOOD	9	3002510394	22G 22S 37E			18111	50952			143017		1312632				53032	3062	
EUGENE WOOD	10	3002510395	22H 22S 37E			53397	64283			2820806		2213452				60748	1932	
E M ELLIOTT FEDERAL	3	3002510396	22C 22S 37E		1310	136291				36962	958353				5915	8077		
E M ELLIOTT FEDERAL	4	3002510399	22D 22S 37E				170698					1219746					28570	
E M ELLIOTT	5	3002510400	22D 22S 37E		18461		30126	500		187231		268421	12945		57919			
HSGO	1	3002510402	22I 22S 37E		5967		16980			2882685		249378					10444	
W B FERREL	3	3002510403	22J 22S 37E				57577					352353					296	
WILL CARY	4	3002510409	22E 22S 37E				34663					38937					8646	
WILL CARY	5	3002510410	22F 22S 37E		5814		4427			24699		52374			21408		8453	
WILL CARY	7	3002510412	22F 22S 37E		8625		43198			38768		10733			76237		1083	
WILL CARY	8	3002510413	22L 22S 37E				45885					1207641					47781	
J V BAKER	9	3002510415	22M 22S 37E NE SE SW		3319	3817	62906			35432	17944	457890			6307	7744	23379	
EUGENE WOOD	5	3002510420	22B 22S 37E		24362					856661					76308			
PENROSE SAND UT TR16	1	3002510423	23A 22S 37E				55119											
O I BOYD	2	3002510424	23C 22S 37E			13072	184787			125746		228608			19703		1692	
O I BOYD	3	3002510425	23K 22S 37E			17540	168163			4577269		242976			6354		2363	
BOYD	1	3002510426	23G 22S 37E				112927					1296887					3020	
BOYD	2	3002510427	23H 22S 37E		52641					8389538					4417			
BOYD	2Y	3002510428	23H 22S 37E		31624		106714			1610342		1778706			4368		4987	
BOYD	3	3002510429	23A 22S 37E C NE NE		34192	440	151337			1533818	21437	1191794			5184	147	25251	
BOYD	4	3002510430	23B 22S 37E				2157											
BOYD	5	3002510431	23B 22S 37E			24357	75822				2926717	1831241				1897	6231	
BOYD	2	3002510434	23D 22S 37E NW NW	77866	7846	2524	31544		234212	2683032	413416			63473	4402	111		
OLLIE J BOYD	4	3002510436	23F 22S 37E SE NW	70559	12751		71043		128343	7014837		81949		91962	956			
OLLIE J BOYD	5	3002510437	23E 22S 37E				91364		128			262517					1633	
BOYD	6	3002510438	23J 22S 37E				118812					1264158						
LEE	1	3002510439	23I 22S 37E NE SE		86265	1331	163687			6247868	24353	1675497			15852	484	1998	
ALLIE M LEE	1	3002510462	26I 22S 37E		31922					210543					91			
BAKER A	1	3002510463	26D 22S 37E				116748					121934					28754	
BAKER A	5	3002510467	26E 22S 37E				47093					376325					28388	
BAKER C	1	3002510469	26A 22S 37E		62524					1717733					27678			
J V BAKER	10	3002510485	27A 22S 37E		8794		42791			37820		717154			22904		3753	
J V BAKER	11	3002510486	27B 22S 37E		6161		32986			28993		624456			19100		4795	
CHRISTMAS	3	3002510500	28B 22S 37E				68664					119403					9191	
OLLIE J BOYD	1	3002521444	23M 22S 37E				30551					1338703					150	
HUGH	8	3002510826	14E 22S 37E SW SW NW		3694		33619			263391		3201020			5760		11528	
R E COLE NCT A	8	300252109	16K 22S 37E		7423		15315			115866		458460			9394		21367	
R E COLE NCT A	9	3002521168	16N 22S 37E		32799		27573			362609		451063			65238		33561	
LEE	2	3002522253	23P 22S 37E		37245	435	178084			751610	10128	462434			8498	140	352261	
R E COLE NCT A	11	3002522382	16J 22S 37E C NW SE		28491		22069			444398					827866		12604	
O I BOYD	4	3002523383	23O 22S 37E				18232					715585					52225	
BOYD	2	3002522508	23J 22S 37E				6307					344796						

				Cum Oil (BBL)								Cum Gas (MCF)								Cum Water (BBL)							
Lease Name	Well Number	10DIGITAPI	Location	Paddock	Blindery	Tub	Drinkard	Abo	Paddock	Blindery	Tub	Drinkard	Abo	Paddock	Blindery	Tub	Drinkard	Abo									
PARKS A	12	3002526678	141 22S 37E NE SE		29735			5635		1430730			95164				13620		90								
OLLIE J BOYD	7	3002532757	23C 22S 37E NE NW		28526					545042							29032										
OLLIE J BOYD	8	3002533546	23E 22S 37E NW SW NW		4466					67073							4698										
PARKS	13	3002534079	14J 22S 37E		32809	6		6		922111	419		419				35486	7	7								
BOYD	8	3002534084	23G 22S 37E		11708					439246							3952										
BOYD	7	3002534088	23B 22S 37E W2 NW NE		51756	2103				678886	26456						17333	717									
ELLIOTT B	3	3002534120	15H 22S 37E		7371		4616			358064		312734					21610		8048								
SARAH JOHNSTON	1	3002534487	22O 22S 37E NW SW SE				29262	18123				286431	239635				18332		14583								
SARAH JOHNSTON	2	3002534611	22J 22S 37E NW SE				46931					578950					30780										
SHIRLEY BOYD	1	3002534808	26D 22S 37E NW NW NW		16195	588				302023	13315						9164	280									
KEOHANE	1	3002535050	26J 22S 37E SW NW SE		6978	4418	1783	17444		31133	21652	12120	64037				84153	57442	34677								
SANTA RITA	1	3002535883	27A 22S 37E NE NE NE				66510						247452						10056								
SANTA RITA	11	3002536027	27B 22S 37E NE NW NE				138875						67177						103380								
SANTA RITA	12	3002536482	27C 22S 37E NE NE NW			8994	1249					57014	1028						13903								
SANTA RITA	2	3002536825	27G 22S 37E NE SW NE				4458						29016						19183								
SANTA RITA	3	3002537387	22N 22S 37E NW SE SW			13686						256278							18604								
CHRISTMAS 28	1	3002538078	28E 22S 37E NW SW NW		15626	1157	6501			74882	896	25799				83154	53241	45804									
CHRISTMAS 28	2	3002538264	28L 22S 37E NW NW NW		18181	786	796			103626	3982	4143				30101	4064	3753									
E W WALDEN	9	3002538371	15K 22S 37E SE NE SW		3645	4863	1945			61451	79559	54935				9168	6573	5727									
EUGENE WOOD	12	3002538812	22B 22S 37E SE NW NE		4264	3131	1356			74291	50083	13534				16441	1073	10133									
EUGENE WOOD	11	3002538824	22G 22S 37E SE SW NE		1572	1370	3203			34241	27357	18630				14463	2059	6516									
CHRISTMAS 28	3	3002538826	28M 22S 37E NW SW SW		91	1314	4394	5473		1135	17058	76651	49129			10289	6930	25382	19777								
E W WALDEN	10	3002538876	15N 22S 37E SE SE SW		4562	3125	3800			61445	69216	18311				35001	268	1810									
CHRISTMAS 28	4	3002539049	28C 22S 37E		1733		5047	11428		11349		30001	32560			17925		35849	26128								
CHRISTMAS 28	5	3002539376	28K 22S 37E		2467		971	2729		12062		14364	52236			14801		13452	48378								
EUGENE WOOD	14	3002539887	22C 22S 37E SW NE		519	364	1197	2371		10496	8561	6299	12768			10178	1583	4975	10386								
E W WALDEN	16	3002539696	15M 22S 37E NE SW		2557	1778	5674	1112		36504	24018	24017	11528			20331	1816	7624	6536								
TOTALS					940,753	2,017,985	622,932	5,951,561	564,353	2,361,820	120,331,852	35,719,422	91,782,770	9,011,100	813,299	3,198,115	231,657	1,947,195	514,333								
AVERAGES					78,396	23,741	14,158	53,618	20,902	214,711	1,383,125	793,765	874,122	333,744	81,330	38,532	5,650	19,090	20,573								

Proposed Allocations	Oil	Gas	Water
Paddock	41%	6%	49%
Blindery	12%	38%	23%
Tub	6%	22%	4%
Drinkard	28%	25%	12%
Abo	11%	9%	12%
TOTAL	100%	100%	100%

**Jones, William V., EMNRD**

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**From:** Jones, William V., EMNRD  
**Sent:** Saturday, October 22, 2011 2:51 PM  
**To:** 'Holland, Reesa'  
**Cc:** Ezeanyim, Richard, EMNRD; Mull, Donna, EMNRD  
**Subject:** Dhc application from Apache: Eugene Wood #20 30-025-40209

Hello Reesa;

Your application asks to downhole commingle 5 pools, but the allocation percentages on your C-107A form don't total 100% .

Please email the percentages for oil and gas that each add to 100.

Thank You,

✓ *Corrected*

William V Jones, P.E.  
Engineering, Oil Conservation Division  
1220 South St. Francis Drive, Santa Fe, NM 87505  
Tel 505.476.3448 ~ Fax 505.476.3462

