

|                      |          |                 |                        |             |                           |
|----------------------|----------|-----------------|------------------------|-------------|---------------------------|
| 3/18/2016<br>DATE IN | SUSPENSE | MAW<br>ENGINEER | 3/18/2016<br>LOGGED IN | DHL<br>TYPE | DynAm160785572<br>APP NO. |
|----------------------|----------|-----------------|------------------------|-------------|---------------------------|

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 \_\_\_\_\_

-DHC 4740  
 -Energen Resources Corporation  
 162928  
 -well  
 -JICAN 119 115 E 4144  
 30-039-22978  
 -Pool

[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

- BLANCO -  
 mesquite del Pradito  
 GAS  
 72319  
 -GUILLEN PICTURES  
 CLIFFS  
 77360

[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.**

Anna Stotts  
 Print or Type Name

*Anna Stotts*  
 Signature

Regulatory Analyst  
 Title

3/15/16  
 Date

astotts@energen.com  
 e-mail Address



March 16, 2016

Mr. Michael McMillan  
New Mexico Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

RE: Amend existing DHC Order DHC-3335AZ for the Jicarilla 115E #14A, API# 30-039-22978

Dear Mr. McMillan,

Please find the attached amended Downhole Commingle application. The original DHC application was filed and approved in 2010. However, it was found that the pool name and pool code were incorrect. The incorrect pool name which was submitted in 2010 was the Tapacito PC (85920). The correct pool name and pool code is the Gavilan PC (77360).

Energen is respectfully requesting to amend the DHC-3335AZ to reflect the correct nomenclature. If you have any questions regarding this application please contact me at 505-324-4154 or [astotts@energen.com](mailto:astotts@energen.com).

Cordially,

A handwritten signature in black ink, appearing to read "Anna Stotts".

Anna Stotts  
Energen Resources  
505-324-4154

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<br>30-039-22978 | <sup>2</sup> Pool Code<br>72319                             | <sup>3</sup> Pool Name<br>Blanco Mesaverde |
| <sup>4</sup> Property Code<br>21942     | <sup>5</sup> Property Name<br>Jicarilla 115E                | <sup>6</sup> Well Number<br>14A            |
| <sup>7</sup> OGRID No.<br>162928        | <sup>8</sup> Operator Name<br>Energen Resources Corporation | <sup>9</sup> Elevation<br>7115             |

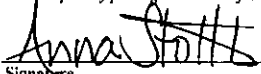
<sup>10</sup> Surface Location

|                    |               |                 |             |         |                       |                           |                       |                        |                      |
|--------------------|---------------|-----------------|-------------|---------|-----------------------|---------------------------|-----------------------|------------------------|----------------------|
| UL or lot no.<br>I | Section<br>10 | Township<br>26N | Range<br>3W | Lot Idn | Feet from the<br>1850 | North/South line<br>South | Feet from the<br>1120 | East/West line<br>East | County<br>Rio Arriba |
|--------------------|---------------|-----------------|-------------|---------|-----------------------|---------------------------|-----------------------|------------------------|----------------------|

<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<br>320 | <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.

|               |  |  |
|---------------|--|--|
| <div>10</div> | <sup>17</sup> OPERATOR CERTIFICATION<br><i>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.</i><br><br>Signature<br>3/14/16<br>Date<br><br>Anna Stotts<br>Printed Name |  |
|               | <sup>18</sup> SURVEYOR CERTIFICATION<br><i>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.</i><br>March 13, 1982<br>Date of Survey<br>Original Survey Conducted and Recorded by:<br>Fred B. Kerr Jr.<br><br>3950<br>Certificate Number   |  |
|               | 1120'  |  |
|               | 1580'  |  |

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**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<br>30-039-22978 |  | <sup>2</sup> Pool Code<br>77360                             |  | <sup>3</sup> Pool Name<br>Gavilan Pictured Cliffs |                                 |
| <sup>4</sup> Property Code<br>21942     |  | <sup>5</sup> Property Name<br>Jicarilla 115 E               |  |   | <sup>6</sup> Well Number<br>14A |
| <sup>7</sup> OGRID No.<br>162928        |  | <sup>8</sup> Operator Name<br>Energen Resources Corporation |  |   | <sup>9</sup> Elevation<br>7115' |

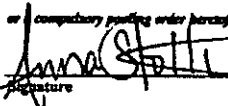
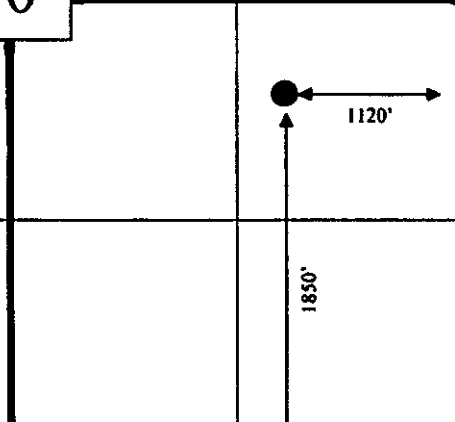
**<sup>10</sup> Surface Location**

|                    |               |                 |             |         |                       |                           |                       |                        |                      |
|--------------------|---------------|-----------------|-------------|---------|-----------------------|---------------------------|-----------------------|------------------------|----------------------|
| UL or lot no.<br>1 | Section<br>10 | Township<br>26N | Range<br>3W | Lot Ida | Feet from the<br>1850 | North/South line<br>South | Feet from the<br>1120 | East/West line<br>East | County<br>Rio Arriba |
|--------------------|---------------|-----------------|-------------|---------|-----------------------|---------------------------|-----------------------|------------------------|----------------------|

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

|                                      |         |                               |       |                                  |               |                                   |               |                |        |
|--------------------------------------|---------|-------------------------------|-------|----------------------------------|---------------|-----------------------------------|---------------|----------------|--------|
| UL or lot no.                        | Section | Township                      | Range | Lot Ida                          | Feet from the | North/South line                  | Feet from the | East/West line | County |
| <sup>13</sup> Dedicated Acres<br>160 |         | <sup>14</sup> Joint or Infill |       | <sup>15</sup> Consolidation Code |               | <sup>16</sup> Order No. DHC3335-0 |               |                |        |

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.

|  |  |  |  |   |  |
|--|--|--|--|---|--|
| <b>OIL CONS. DIV DIST. 3</b><br><br><b>FEB 25 2016</b>   |  |  |  | <b><sup>17</sup> OPERATOR CERTIFICATION</b><br><i>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.</i><br><br>Signature _____ Date 2/18/16 |  |
|  |  |  |  | Anna Steis<br>Printed Name  |  |
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">10</div>  |  |  |  | <b><sup>18</sup> SURVEYOR CERTIFICATION</b><br><i>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.</i><br>March 13, 1982<br>Date of Survey _____<br>Original Survey Conducted and Recorded by: Fred B Kerr Jr.<br>3950<br>Certificate Number _____   |  |

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised August 1, 2011

RECEIVED OOD

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

2015 MAR 18 P 1:55

APPLICATION FOR DOWNHOLE COMMINGLING

Energen Resources 2010 Afton Place, Farmington NM 87401  
Operator Address  
Jicarilla 115E #14A (I) Sec 10 T26N R03W Rio Arriba  
Lease Well No. Unit Letter-Section-Township-Range County  
OGRID No. 162928 Property Code 21942 API No. 30-039-22978 Lease Type: ☒ Federal ☐ State ☐ Fee

| DATA ELEMENT  | UPPER ZONE  | INTERMEDIATE ZONE | LOWER ZONE  |
|---|---|-------------------|---|
| Pool Name   | Gavilan PC  |                   | Blanco Mesaverde  |
| Pool Code   | 77360   |                   | 72319   |
| Top and Bottom of Pay Section<br>(Perforated or Open-Hole Interval)   | 3740'-3788'   |                   | 5460'-6188'   |
| Method of Production<br>(Flowing or Artificial Lift)  | Artificial Lift - Plunger   |                   | Artificial Lift - Plunger   |
| Bottomhole Pressure<br>(Note: Pressure data will not be required if the bottom -<br>perforation in the lower zone is within 150% of the<br>depth of the top perforation in the upper zone)    |   |                   |   |
| Oil Gravity or Gas BTU<br>(Degree API or Gas BTU)   | 1239 BTU  |                   | 1239 BTU  |
| Producing, Shut-In or<br>New Zone   | Producing   |                   | Producing   |
| Date and Oil/Gas/Water Rates of<br>Last Production.<br>(Note: For new zones with no production history,<br>applicant shall be required to attach production<br>estimates and supporting data) | Date: 2/2016<br>Oil: 0 bbls<br>Rates: Gas 1043 mcf<br>Water: 0 bbls | Date:<br>Rates:   | Date: 2/2016<br>Oil: 22 bbls<br>Rates: Gas: 696 mcf<br>Water: 37 bbls |
| Fixed Allocation Percentage<br>(Note: If allocation is based upon something other<br>than current or past production, supporting data or<br>explanation will be required.)                    | Oil Gas<br>0% 60%   | Oil Gas<br>% %    | Oil Gas<br>100% 40%   |

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: DHC-3335AZ

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.

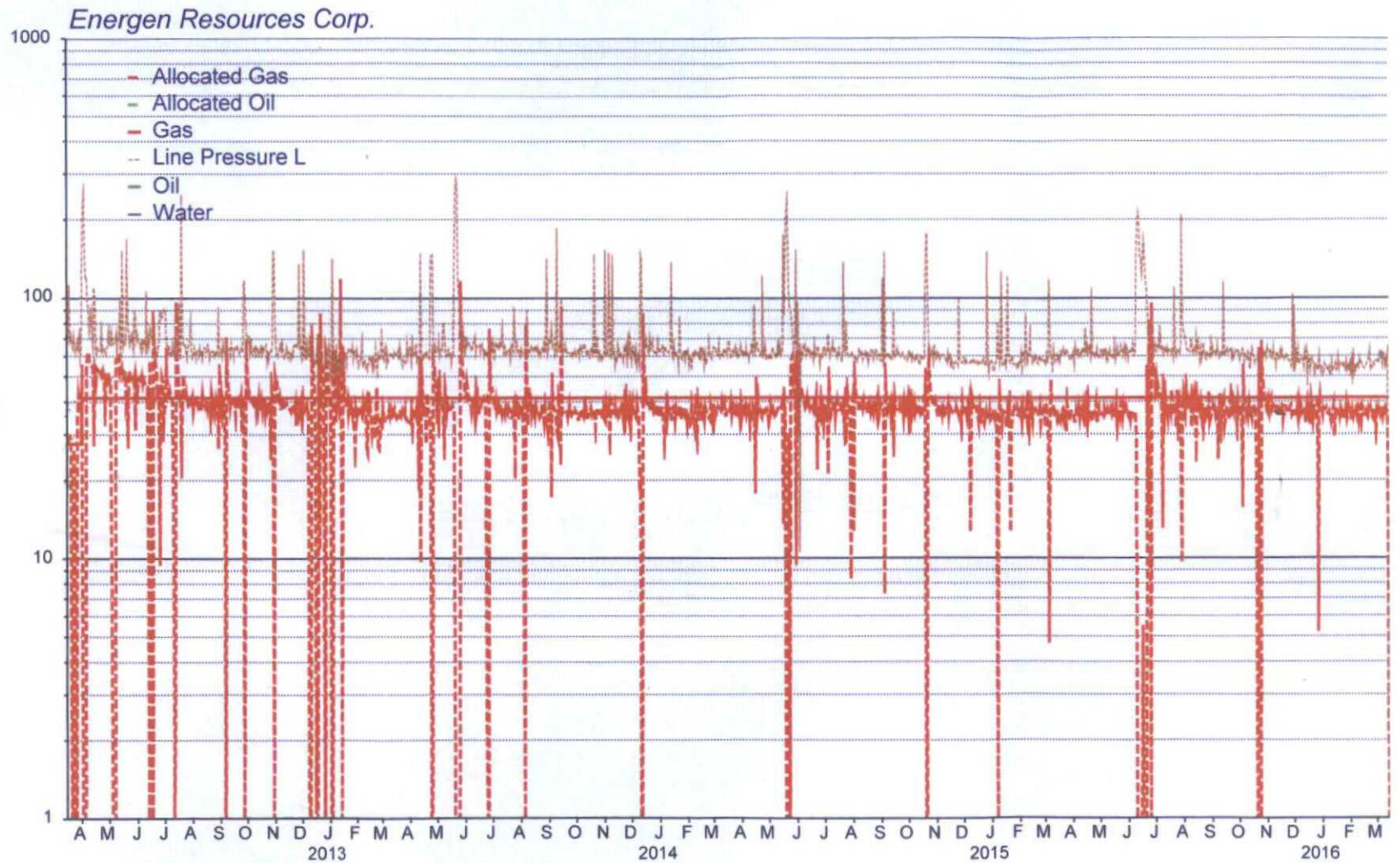
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Anna Stotts TITLE Regulatory Analyst DATE 3/15/16

TYPE OR PRINT NAME Anna Stotts TELEPHONE NO. ( 505 ) 324-4154

E-MAIL ADDRESS astotts@energen.com

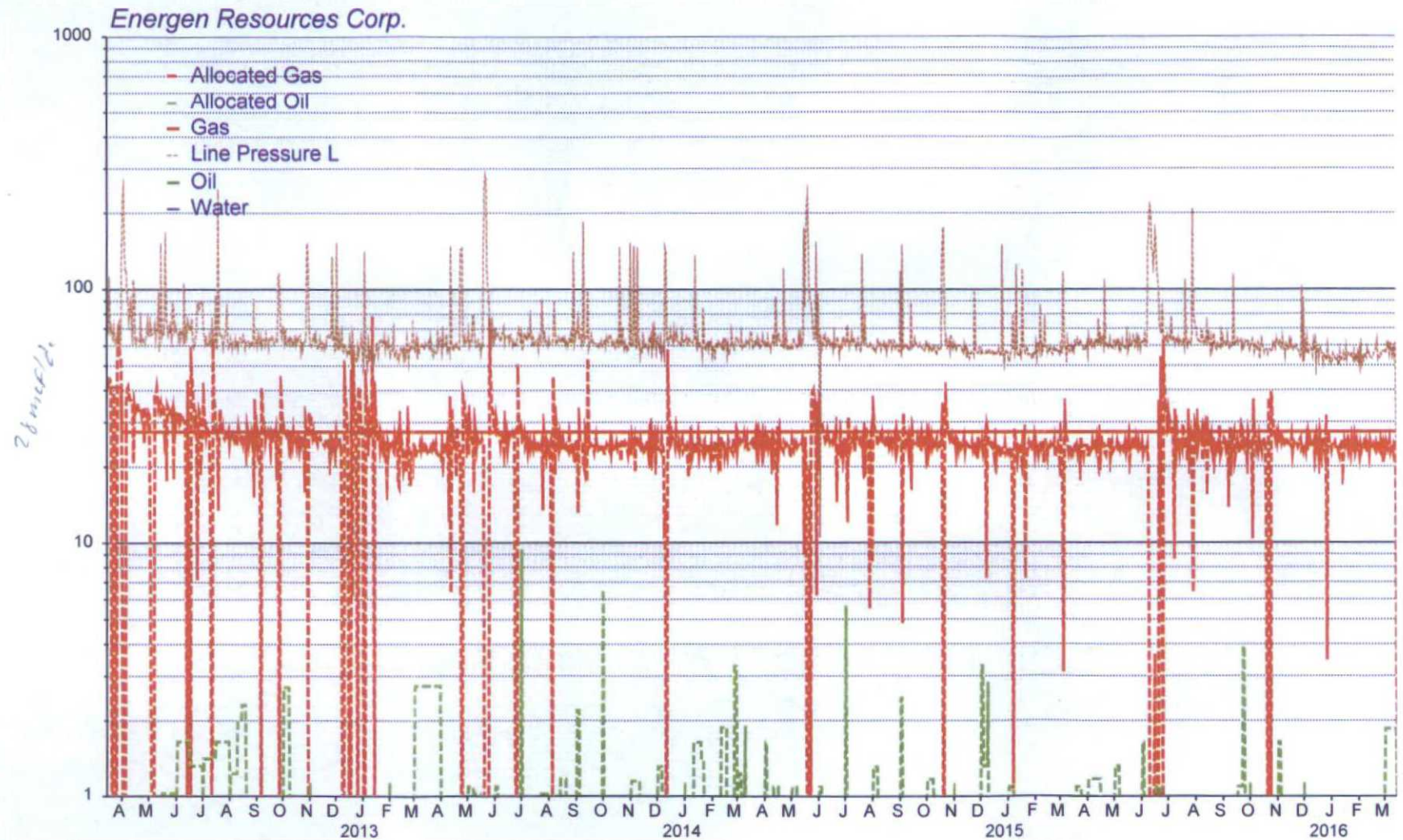
WELL: JICARILLA 115 E 14A PC



41 merged  
m c f p d



WELL: JICARILLA 115 E 14A MV



**Anna Stotts**

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**Subject:** FW: PC Nomenclature DHC

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**From:** Pickford, Katherine, EMNRD [<mailto:Katherine.Pickford@state.nm.us>]

**Sent:** Wednesday, March 09, 2016 1:49 PM

**To:** Anna Stotts

**Cc:** Vermersch, Amy H, EMNRD

**Subject:** FW: PC Nomenclature DHC

Hi Anna,

This well should be reporting to the Gavilan PC rather than the Tapacito. The Gavilan PC is not pre-approved for commingling with the Blanco Mesaverde, so the request to amend the DHC should go to Santa Fe. Let me know if you have any other questions.

Thanks,

Kate