

|                       |          |                      |                         |             |                         |
|-----------------------|----------|----------------------|-------------------------|-------------|-------------------------|
| 03/14/2014<br>DATE IN | SUSPENSE | McMillin<br>ENGINEER | 03/14/2014<br>LOGGED IN | CTB<br>TYPE | PEH149553482<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



REGISTERED  
IN THE P.S.S.

### 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 \_\_\_\_\_

APACHE CORP. 873

15- API #s  
wells

POOLS

FREN: GIORGETTA-YESU

WELLS

Attachment A

#### [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 FISHER

Print or Type Name

*Reesa Fisher*  
Signature

SR STAFF REG ANALYST

Title

4/25/2014

Date

Reesa.Fisher@apachecorp.com

e-mail Address

District I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St Francis Dr, Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-B  
Revised August 1, 2011

**OIL CONSERVATION DIVISION**  
1220 S. St Francis Drive  
Santa Fe, New Mexico 87505

Submit the original  
application to the Santa Fe  
office with one copy to the  
appropriate District Office.

**APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)**

OPERATOR NAME: Apache Corporation

OPERATOR ADDRESS: 303 Veterans Airpark Lane Midland TX 79705

APPLICATION TYPE:

CROW FEDERAL WELLS

☐ Pool Commingling ☒ Lease Commingling ☐ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: ☐ Fee ☐ State ☒ Federal

Is this an Amendment to existing Order? ☐ Yes ☒ No If "Yes", please include the appropriate Order No. \_\_\_\_\_

Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling

☒ Yes ☐ No

**(A) POOL COMMINGLING**  
Please attach sheets with the following information

| (1) Pool Names and Codes    | Gravities / BTU of<br>Non-Commingled<br>Production | Calculated Gravities /<br>BTU of Commingled<br>Production |  | Calculated Value of<br>Commingled<br>Production | Volumes  |
|-----------------------------|----------------------------------------------------|-----------------------------------------------------------|--|-------------------------------------------------|----------|
| Fren; Glorieta-Yeso (26770) | 37.0                                               |                                                           |  |                                                 | SEE      |
|                             |                                                    |                                                           |  |                                                 | ATTACHED |
|                             |                                                    |                                                           |  |                                                 |          |
|                             |                                                    |                                                           |  |                                                 |          |
|                             |                                                    |                                                           |  |                                                 |          |

(2) Are any wells producing at top allowables? ☒ Yes ☐ No

(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No.

(4) Measurement type: ☒ Metering ☐ Other (Specify)

(5) Will commingling decrease the value of production? ☐ Yes ☒ No If "yes", describe why commingling should be approved

**(B) LEASE COMMINGLING**  
Please attach sheets with the following information

(1) Pool Name and Code. Fren; Glorieta-Yeso (26770)

(2) Is all production from same source of supply? ☒ Yes ☐ No

(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No

(4) Measurement type: ☒ Metering ☐ Other (Specify)

**(C) POOL and LEASE COMMINGLING**  
Please attach sheets with the following information

(1) Complete Sections A and E.

**(D) OFF-LEASE STORAGE and MEASUREMENT**  
Please attached sheets with the following information

(1) Is all production from same source of supply? ☒ Yes ☐ No

(2) Include proof of notice to all interest owners.

**(E) ADDITIONAL INFORMATION (for all application types)**  
Please attach sheets with the following information

(1) A schematic diagram of facility, including legal location.

(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.

(3) Lease Names, Lease and Well Numbers, and API Numbers.

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

SIGNATURE: Reesa Fisher TITLE: Sr Staff Regulatory Analyst DATE: 7/7/2014

TYPE OR PRINT NAME REESA FISHER TELEPHONE NO.: 432-818-1062

E-MAIL ADDRESS: Reesa.Fisher@apachecorp.com

July 8, 2014

Mr. Wesley Ingram  
Bureau of Land Mgmt - CFO  
620 E Greene St  
Carlsbad, NM 88220

RE: Surface Commingling Application  
Crow Federal Wells (NMLC 029426B)  
Units A, E, L & M Sections 3, 9 & 10, T17S, R31E  
Fren; Glorieta-Yeso (26770)  
Eddy County, New Mexico

Dear Mr. Ingram:

Enclosed please find form 3160-5 and attachments for surface commingling the captioned wells. The Crow Federal Wells 34H & 36H wellbores at Pad 23 will be drilled and completed equally across the Crow & Hawk Leases (4500' lateral). Interest breakdowns can be found on attached pages. This request is for commingling currently active wells, as well as future drills, also noted on attached pages.

If you need additional information or have any questions, please contact me at (432) 818-1062, [Reesa.Fisher@apachecorp.com](mailto:Reesa.Fisher@apachecorp.com) or Mark Thomas, Engineer, at (432) 818-1071, [Mark.Thomas@apachecorp.com](mailto:Mark.Thomas@apachecorp.com).

Sincerely,



Reesa Fisher  
Sr. Staff Regulatory Analyst

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
NMLC 029426B

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.  
Crow Federal Wells

2. Name of Operator  
Apache Corporation (873)

9. API Well No.  
See Below

3a. Address  
303 Veterans Airpark Lane, Suite 1000  
Midland, TX 79705

3b. Phone No. (include area code)  
432/818-1062

10. Field and Pool or Exploratory Area  
Fren; Glorieta-Yeso (26770)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
See Below

11. County or Parish, State  
Eddy County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |                                           |                                                    |                                                          |  |
|------------------------------------------------------|-----------------------------------------------|-------------------------------------------|----------------------------------------------------|----------------------------------------------------------|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                  |  |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                  |  |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other <b>SURFACE</b> |  |
|                                                      | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       | <b>COMMINGLE</b>                                         |  |
|                                                      | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |                                                          |  |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Apache would like to request permission to Surface Commingle the following wells, per attached documentation:

|              |                    |             |        |              |
|--------------|--------------------|-------------|--------|--------------|
| 30-015-34126 | Crow Federal #001  | Gas Federal | Active | A-09-17S-31E |
| 30-015-40574 | Crow Federal #010H | Oil Federal | Active | M-10-17S-31E |
| 30-015-40575 | Crow Federal #011H | Oil Federal | Active | M-10-17S-31E |
| 30-015-40576 | Crow Federal #012H | Oil Federal | Active | M-10-17S-31E |
| 30-015-40577 | Crow Federal #013H | Oil Federal | Active | M-10-17S-31E |
| 30-015-40578 | Crow Federal #014H | Oil Federal | Active | M-09-17S-31E |
| 30-015-40579 | Crow Federal #015H | Oil Federal | Active | M-10-17S-31E |
| 30-015-40990 | Crow Federal #016H | Oil Federal | Active | L-09-17S-31E |
| 30-015-40991 | Crow Federal #017H | Oil Federal | New    | L-09-17S-31E |
| 30-015-40992 | Crow Federal #018H | Oil Federal | New    | L-09-17S-31E |
| 30-015-41166 | Crow Federal #022H | Oil Federal | Active | E-09-17S-31E |
| 30-015-41167 | Crow Federal #023H | Oil Federal | Active | E-09-17S-31E |
| 30-015-41168 | Crow Federal #024H | Oil Federal | New    | E-09-17S-31E |
| 30-015-42139 | Crow Federal #034H | Oil Federal | New    | M-03-17S-31E |
| 30-015-42141 | Crow Federal #036H | Oil Federal | New    | M-03-17S-31E |

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Reesa Fisher

Title Sr. Staff Reg Analyst

Signature

*Reesa Fisher*

Date 04/28/2014

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

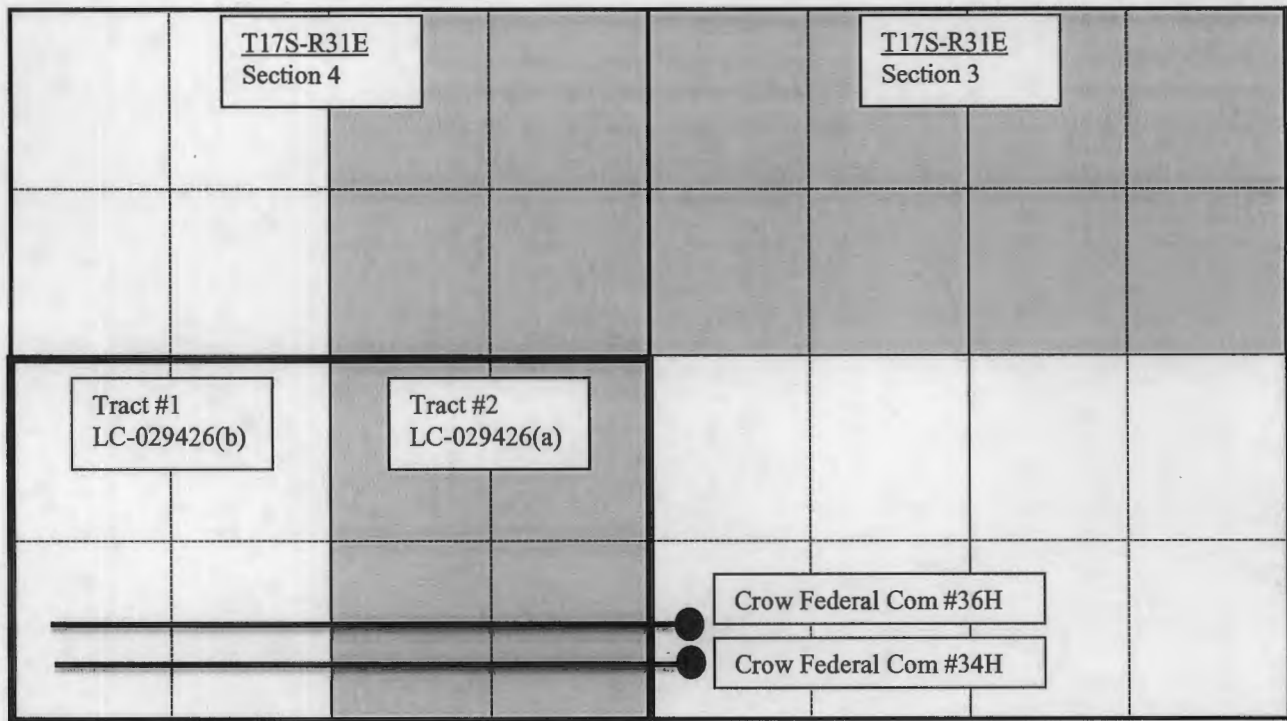
Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



- Crow Federal Com #34H  
SHL: 905' FSL & 570' FWL (UL M), Section 3-T17S-R31E  
BHL: 905' FSL & 330' FWL (UL M), Section 4-T17S-R31E

Crow Federal Com #36H  
SHL: 970' FSL & 537' FWL (UL M), Section 3-T17S-R31E  
BHL: 970' FSL & 330' FWL (UL M), Section 4-T17S-R31E

- Proposed Communitized Area (320 acres)

- Crow Federal Lease – USA LC 029426 (b)

|                                               |                 |
|-----------------------------------------------|-----------------|
| ZPZ Delaware I LLC                            | 0.60000000 WI   |
| COG Operating LLC                             | 0.40000000 WI   |
| USA                                           | 0.12500000 ROY  |
| Linda L. Scroggie                             | 0.00187500 ORRI |
| Catherine D. Lawrence                         | 0.00187500 ORRI |
| Dorthea N. Eyssen                             | 0.00375000 ORRI |
| Sisters of St. Francis of Assisi              | 0.00125000 ORRI |
| William D. Crisman                            | 0.00041670 ORRI |
| William D. Crisman & wife Barbara A. Crissman | 0.00083330 ORRI |
| Nestegg Energy Corporation                    | 0.00500000 ORRI |

- Hawk Federal Lease – USA LC 029426 (a)

|                                               |                 |
|-----------------------------------------------|-----------------|
| ZPZ Delaware I LLC                            | 0.60000000 WI   |
| COG Operating LLC                             | 0.40000000 WI   |
| USA                                           | 0.12500000 ROY  |
| Successors to J.G. Keel                       | 0.07500000 ORRI |
| Linda L. Scroggie                             | 0.00187500 ORRI |
| Catherine D. Lawrence                         | 0.00187500 ORRI |
| Dorthea N. Eyssen                             | 0.00375000 ORRI |
| Sisters of St. Francis of Assisi              | 0.00125000 ORRI |
| William D. Crisman                            | 0.00041670 ORRI |
| William D. Crisman & wife Barbara A. Crissman | 0.00083330 ORRI |

# Well Test History Report

Select By: Field

Display: All well tests between 10/01/2013 - 04/15/2014

| Test Date              | Effective Date | Measured Hours | Type | 24 Hour Volumes |     |     |       |      | Ratios |     |      |      |      | Fluid Level |
|------------------------|----------------|----------------|------|-----------------|-----|-----|-------|------|--------|-----|------|------|------|-------------|
|                        |                |                |      | Gr Liquid       | OIL | GAS | WAT   | LIFT | GOR    | GLR | IGOR | IGLR | TGLR |             |
| Field: CEDAR LAKE (BP) |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| CROW FEDERAL #10H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 11/15/2013             | 11/15/2013     | 24             | A    | 986             | 10  | 61  | 976   | 0    | 6,100  | 62  | 0    | 0    | 62   |             |
| 11/16/2013             | 11/16/2013     | 24             | A    | 1,625           | 183 | 310 | 1,442 | 0    | 1,694  | 191 | 0    | 0    | 191  |             |
| 11/17/2013             | 11/17/2013     | 24             | A    | 1,644           | 201 | 310 | 1,443 | 0    | 1,542  | 189 | 0    | 0    | 189  |             |
| 11/18/2013             | 11/18/2013     | 24             | A    | 1,521           | 72  | 321 | 1,449 | 0    | 4,458  | 211 | 0    | 0    | 211  |             |
| 11/19/2013             | 11/19/2013     | 24             | A    | 1,151           | 66  | 319 | 1,085 | 0    | 4,833  | 277 | 0    | 0    | 277  |             |
| 11/26/2013             | 11/26/2013     | 24             | A    | 1,171           | 71  | 316 | 1,100 | 0    | 4,451  | 270 | 0    | 0    | 270  |             |
| 11/28/2013             | 11/28/2013     | 24             | A    | 1,213           | 60  | 350 | 1,153 | 0    | 5,833  | 289 | 0    | 0    | 289  |             |
| 11/29/2013             | 11/29/2013     | 24             | A    | 1,215           | 71  | 375 | 1,144 | 0    | 5,282  | 309 | 0    | 0    | 309  |             |
| 12/1/2013              | 12/1/2013      | 24             | A    | 1,579           | 134 | 315 | 1,445 | 0    | 2,351  | 199 | 0    | 0    | 199  |             |
| 12/2/2013              | 12/2/2013      | 24             | A    | 1,558           | 133 | 312 | 1,425 | 0    | 2,346  | 200 | 0    | 0    | 200  |             |
| 12/3/2013              | 12/3/2013      | 24             | A    | 1,584           | 131 | 311 | 1,453 | 0    | 2,374  | 196 | 0    | 0    | 196  |             |
| 12/4/2013              | 12/4/2013      | 24             | A    | 1,551           | 128 | 310 | 1,423 | 0    | 2,422  | 200 | 0    | 0    | 200  |             |
| 12/5/2013              | 12/5/2013      | 24             | A    | 1,572           | 136 | 316 | 1,436 | 0    | 2,324  | 201 | 0    | 0    | 201  |             |
| 12/6/2013              | 12/6/2013      | 24             | A    | 1,546           | 124 | 285 | 1,422 | 0    | 2,298  | 184 | 0    | 0    | 184  |             |
| 12/7/2013              | 12/7/2013      | 24             | A    | 1,538           | 121 | 279 | 1,417 | 0    | 2,306  | 181 | 0    | 0    | 181  |             |
| 12/8/2013              | 12/8/2013      | 24             | A    | 1,525           | 124 | 306 | 1,401 | 0    | 2,468  | 201 | 0    | 0    | 201  |             |
| 12/15/2013             | 12/15/2013     | 24             | A    | 1,508           | 122 | 301 | 1,386 | 0    | 2,467  | 200 | 0    | 0    | 200  |             |
| 1/9/2014               | 1/9/2014       | 24             | A    | 1,553           | 121 | 289 | 1,432 | 0    | 2,388  | 186 | 0    | 0    | 186  |             |
| 1/10/2014              | 1/10/2014      | 24             | A    | 1,529           | 118 | 279 | 1,411 | 0    | 2,364  | 182 | 0    | 0    | 182  |             |
| 1/13/2014              | 1/13/2014      | 24             | A    | 1,545           | 122 | 282 | 1,423 | 0    | 2,311  | 183 | 0    | 0    | 183  |             |
| 1/16/2014              | 1/16/2014      | 24             | A    | 1,553           | 121 | 281 | 1,432 | 0    | 2,322  | 181 | 0    | 0    | 181  |             |
| 1/17/2014              | 1/17/2014      | 24             | A    | 1,539           | 118 | 226 | 1,421 | 0    | 1,915  | 147 | 0    | 0    | 147  |             |
| 1/19/2014              | 1/19/2014      | 24             | A    | 1,542           | 116 | 235 | 1,426 | 0    | 2,026  | 152 | 0    | 0    | 152  |             |
| 1/21/2014              | 1/21/2014      | 24             | A    | 1,554           | 119 | 239 | 1,435 | 0    | 2,008  | 154 | 0    | 0    | 154  |             |
| 1/25/2014              | 1/25/2014      | 24             | A    | 1,544           | 132 | 257 | 1,412 | 0    | 1,947  | 166 | 0    | 0    | 166  |             |
| 1/27/2014              | 1/27/2014      | 24             | A    | 1,516           | 127 | 247 | 1,389 | 0    | 1,945  | 163 | 0    | 0    | 163  |             |
| 2/5/2014               | 2/5/2014       | 24             | A    | 1,564           | 142 | 258 | 1,422 | 0    | 1,817  | 165 | 0    | 0    | 165  |             |
| 2/7/2014               | 2/7/2014       | 24             | A    | 1,616           | 150 | 260 | 1,466 | 0    | 1,733  | 161 | 0    | 0    | 161  |             |
| 2/15/2014              | 2/15/2014      | 24             | A    | 1,597           | 145 | 261 | 1,452 | 0    | 1,800  | 163 | 0    | 0    | 163  |             |
| 2/23/2014              | 2/23/2014      | 24             | A    | 1,549           | 115 | 410 | 1,434 | 0    | 3,565  | 265 | 0    | 0    | 265  |             |
| 2/25/2014              | 2/25/2014      | 24             | A    | 1,840           | 144 | 400 | 1,696 | 0    | 2,778  | 217 | 0    | 0    | 217  |             |
| 2/26/2014              | 2/26/2014      | 24             | A    | 2,092           | 132 | 315 | 1,960 | 0    | 2,386  | 151 | 0    | 0    | 151  |             |
| 2/27/2014              | 2/27/2014      | 24             | A    | 2,200           | 146 | 422 | 2,054 | 0    | 2,890  | 192 | 0    | 0    | 192  |             |
| 3/1/2014               | 3/1/2014       | 24             | A    | 2,231           | 134 | 553 | 2,097 | 0    | 4,127  | 248 | 0    | 0    | 248  |             |
| 3/2/2014               | 3/2/2014       | 24             | A    | 2,282           | 136 | 567 | 2,146 | 0    | 4,169  | 248 | 0    | 0    | 248  |             |
| 3/3/2014               | 3/3/2014       | 24             | A    | 1,926           | 110 | 96  | 1,816 | 0    | 873    | 50  | 0    | 0    | 50   |             |
| 3/7/2014               | 3/7/2014       | 24             | A    | 2,392           | 168 | 452 | 2,224 | 0    | 2,690  | 189 | 0    | 0    | 189  |             |

\*\* All values are recorded using imperial units.

# Well Test History Report

Select By: Field

Display: All well tests between 10/01/2013 - 04/15/2014

| Test Date              | Effective Date | Measured Hours | Type | 24 Hour Volumes |     |     |       |      | Ratios |     |      |      |      | Fluid Level |
|------------------------|----------------|----------------|------|-----------------|-----|-----|-------|------|--------|-----|------|------|------|-------------|
|                        |                |                |      | Gr Liquid       | OIL | GAS | WAT   | LIFT | GOR    | GLR | IGOR | IGLR | TGLR |             |
| Field: CEDAR LAKE (BP) |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| CROW FEDERAL #10H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 3/14/2014              | 3/14/2014      | 24             | A    | 1,398           | 147 | 222 | 1,251 | 0    | 1,510  | 159 | 0    | 0    | 159  |             |
| 3/15/2014              | 3/15/2014      | 24             | A    | 1,949           | 132 | 462 | 1,817 | 0    | 3,500  | 237 | 0    | 0    | 237  |             |
| 3/16/2014              | 3/16/2014      | 24             | A    | 1,972           | 128 | 461 | 1,844 | 0    | 3,602  | 234 | 0    | 0    | 234  |             |
| 3/17/2014              | 3/17/2014      | 24             | A    | 1,975           | 154 | 463 | 1,821 | 0    | 3,006  | 234 | 0    | 0    | 234  |             |
| 3/18/2014              | 3/18/2014      | 24             | A    | 1,960           | 132 | 466 | 1,828 | 0    | 3,530  | 238 | 0    | 0    | 238  |             |
| 3/19/2014              | 3/19/2014      | 24             | A    | 1,865           | 181 | 465 | 1,684 | 0    | 2,569  | 249 | 0    | 0    | 249  |             |
| 3/20/2014              | 3/20/2014      | 24             | A    | 2,050           | 191 | 465 | 1,859 | 0    | 2,435  | 227 | 0    | 0    | 227  |             |
| 4/11/2014              | 4/11/2014      | 24             | A    | 1,921           | 270 | 520 | 1,651 | 0    | 1,926  | 271 | 0    | 0    | 271  |             |
| 4/12/2014              | 4/12/2014      | 24             | A    | 1,850           | 194 | 575 | 1,656 | 0    | 2,964  | 311 | 0    | 0    | 311  |             |
| 4/13/2014              | 4/13/2014      | 24             | A    | 1,748           | 202 | 575 | 1,546 | 0    | 2,847  | 329 | 0    | 0    | 329  |             |
| 4/14/2014              | 4/14/2014      | 24             | A    | 1,760           | 210 | 575 | 1,550 | 0    | 2,738  | 327 | 0    | 0    | 327  |             |
| 4/15/2014              | 4/15/2014      | 24             | A    | 1,805           | 220 | 572 | 1,585 | 0    | 2,600  | 317 | 0    | 0    | 317  |             |
| Averages by Completion |                |                |      | 1,672           | 136 | 352 | 1,536 | 0    |        |     |      |      |      |             |
| CROW FEDERAL #11H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 11/4/2013              | 11/4/2013      | 24             | A    | 924             | 0   | 0   | 924   | 0    |        | 0   |      | 0    | 0    |             |
| 11/5/2013              | 11/5/2013      | 24             | A    | 1,000           | 0   | 0   | 1,000 | 0    |        | 0   |      | 0    | 0    |             |
| 11/6/2013              | 11/6/2013      | 24             | A    | 998             | 0   | 0   | 998   | 0    |        | 0   |      | 0    | 0    |             |
| 11/7/2013              | 11/7/2013      | 24             | A    | 1,125           | 0   | 0   | 1,125 | 0    |        | 0   |      | 0    | 0    |             |
| 11/8/2013              | 11/8/2013      | 24             | A    | 1,100           | 0   | 111 | 1,100 | 0    |        | 101 |      | 0    | 101  |             |
| 11/9/2013              | 11/9/2013      | 24             | A    | 1,117           | 0   | 332 | 1,117 | 0    |        | 297 |      | 0    | 297  |             |
| 11/12/2013             | 11/12/2013     | 24             | A    | 1,319           | 202 | 428 | 1,117 | 0    | 2,119  | 324 | 0    | 0    | 324  |             |
| 11/13/2013             | 11/13/2013     | 24             | A    | 1,356           | 256 | 550 | 1,100 | 0    | 2,148  | 406 | 0    | 0    | 406  |             |
| 11/14/2013             | 11/14/2013     | 24             | A    | 1,572           | 195 | 512 | 1,377 | 0    | 2,626  | 326 | 0    | 0    | 326  |             |
| 11/16/2013             | 11/16/2013     | 24             | A    | 1,394           | 170 | 315 | 1,224 | 0    | 1,853  | 226 | 0    | 0    | 226  |             |
| 11/17/2013             | 11/17/2013     | 24             | A    | 1,413           | 170 | 315 | 1,243 | 0    | 1,853  | 223 | 0    | 0    | 223  |             |
| 11/18/2013             | 11/18/2013     | 24             | A    | 1,423           | 165 | 318 | 1,258 | 0    | 1,927  | 223 | 0    | 0    | 223  |             |
| 11/19/2013             | 11/19/2013     | 24             | A    | 1,361           | 129 | 316 | 1,232 | 0    | 2,450  | 232 | 0    | 0    | 232  |             |
| 11/20/2013             | 11/20/2013     | 24             | A    | 1,227           | 148 | 205 | 1,079 | 0    | 1,385  | 167 | 0    | 0    | 167  |             |
| 11/26/2013             | 11/26/2013     | 24             | A    | 1,272           | 151 | 211 | 1,121 | 0    | 1,397  | 166 | 0    | 0    | 166  |             |
| 11/28/2013             | 11/28/2013     | 24             | A    | 1,381           | 140 | 267 | 1,241 | 0    | 1,907  | 193 | 0    | 0    | 193  |             |
| 11/29/2013             | 11/29/2013     | 24             | A    | 1,362           | 153 | 301 | 1,209 | 0    | 1,967  | 221 | 0    | 0    | 221  |             |
| 12/1/2013              | 12/1/2013      | 24             | A    | 1,601           | 166 | 305 | 1,435 | 0    | 1,837  | 191 | 0    | 0    | 191  |             |
| 12/2/2013              | 12/2/2013      | 24             | A    | 1,575           | 155 | 305 | 1,420 | 0    | 1,968  | 194 | 0    | 0    | 194  |             |
| 12/3/2013              | 12/3/2013      | 24             | A    | 1,583           | 150 | 304 | 1,433 | 0    | 2,027  | 192 | 0    | 0    | 192  |             |
| 12/4/2013              | 12/4/2013      | 24             | A    | 1,569           | 149 | 303 | 1,420 | 0    | 2,034  | 193 | 0    | 0    | 193  |             |

\*\* All values are recorded using imperial units.

# Well Test History Report

Select By: Field

Display: All well tests between 10/01/2013 - 04/15/2014

| Test Date              | Effective Date | Measured Hours | Type | 24 Hour Volumes |     |     |       |      | Ratios |     |      |      |      | Fluid Level |
|------------------------|----------------|----------------|------|-----------------|-----|-----|-------|------|--------|-----|------|------|------|-------------|
|                        |                |                |      | Gr Liquid       | OIL | GAS | WAT   | LIFT | GOR    | GLR | IGOR | IGLR | TGLR |             |
| Field: CEDAR LAKE (BP) |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| CROW FEDERAL #11H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 12/5/2013              | 12/5/2013      | 24             | A    | 1,561           | 151 | 304 | 1,410 | 0    | 2,013  | 195 | 0    | 0    | 195  |             |
| 12/6/2013              | 12/6/2013      | 24             | A    | 1,572           | 136 | 300 | 1,436 | 0    | 2,206  | 191 | 0    | 0    | 191  |             |
| 12/7/2013              | 12/7/2013      | 24             | A    | 1,536           | 129 | 285 | 1,407 | 0    | 2,209  | 186 | 0    | 0    | 186  |             |
| 12/8/2013              | 12/8/2013      | 24             | A    | 1,554           | 132 | 311 | 1,422 | 0    | 2,356  | 200 | 0    | 0    | 200  |             |
| 12/15/2013             | 12/15/2013     | 24             | A    | 1,548           | 126 | 306 | 1,422 | 0    | 2,429  | 198 | 0    | 0    | 198  |             |
| 1/9/2014               | 1/9/2014       | 24             | A    | 1,571           | 136 | 311 | 1,435 | 0    | 2,287  | 198 | 0    | 0    | 198  |             |
| 1/10/2014              | 1/10/2014      | 24             | A    | 1,542           | 124 | 303 | 1,418 | 0    | 2,444  | 196 | 0    | 0    | 196  |             |
| 1/13/2014              | 1/13/2014      | 24             | A    | 1,553           | 121 | 310 | 1,432 | 0    | 2,562  | 200 | 0    | 0    | 200  |             |
| 1/16/2014              | 1/16/2014      | 24             | A    | 1,565           | 120 | 309 | 1,445 | 0    | 2,575  | 197 | 0    | 0    | 197  |             |
| 1/17/2014              | 1/17/2014      | 24             | A    | 1,564           | 123 | 311 | 1,441 | 0    | 2,528  | 199 | 0    | 0    | 199  |             |
| 1/19/2014              | 1/19/2014      | 24             | A    | 1,550           | 119 | 321 | 1,431 | 0    | 2,697  | 207 | 0    | 0    | 207  |             |
| 1/21/2014              | 1/21/2014      | 24             | A    | 1,548           | 121 | 325 | 1,427 | 0    | 2,686  | 210 | 0    | 0    | 210  |             |
| 1/25/2014              | 1/25/2014      | 24             | A    | 1,593           | 141 | 320 | 1,452 | 0    | 2,270  | 201 | 0    | 0    | 201  |             |
| 1/27/2014              | 1/27/2014      | 24             | A    | 1,531           | 132 | 310 | 1,399 | 0    | 2,348  | 202 | 0    | 0    | 202  |             |
| 2/5/2014               | 2/5/2014       | 24             | A    | 1,519           | 133 | 305 | 1,386 | 0    | 2,293  | 201 | 0    | 0    | 201  |             |
| 2/7/2014               | 2/7/2014       | 24             | A    | 1,540           | 135 | 311 | 1,405 | 0    | 2,304  | 202 | 0    | 0    | 202  |             |
| 2/15/2014              | 2/15/2014      | 24             | A    | 1,140           | 170 | 301 | 970   | 0    | 1,771  | 264 | 0    | 0    | 264  |             |
| 2/17/2014              | 2/17/2014      | 24             | A    | 1,153           | 221 | 306 | 932   | 0    | 1,385  | 265 | 0    | 0    | 265  |             |
| 2/20/2014              | 2/20/2014      | 15             | A    | 1,690           | 203 | 482 | 1,486 | 0    | 2,370  | 285 | 0    | 0    | 285  |             |
| 2/21/2014              | 2/21/2014      | 24             | A    | 1,661           | 201 | 312 | 1,460 | 0    | 1,552  | 188 | 0    | 0    | 188  |             |
| 2/22/2014              | 2/22/2014      | 24             | A    | 1,088           | 144 | 278 | 944   | 0    | 1,931  | 256 | 0    | 0    | 256  |             |
| 2/23/2014              | 2/23/2014      | 24             | A    | 1,277           | 173 | 301 | 1,104 | 0    | 1,740  | 236 | 0    | 0    | 236  |             |
| 3/4/2014               | 3/4/2014       | 24             | A    | 1,542           | 136 | 125 | 1,406 | 0    | 919    | 81  | 0    | 0    | 81   |             |
| 3/5/2014               | 3/5/2014       | 24             | A    | 1,271           | 105 | 127 | 1,166 | 0    | 1,210  | 100 | 0    | 0    | 100  |             |
| 3/6/2014               | 3/6/2014       | 24             | A    | 1,309           | 48  | 127 | 1,261 | 0    | 2,646  | 97  | 0    | 0    | 97   |             |
| 3/11/2014              | 3/11/2014      | 24             | A    | 1,087           | 138 | 231 | 949   | 0    | 1,674  | 213 | 0    | 0    | 213  |             |
| 3/12/2014              | 3/12/2014      | 24             | A    | 1,491           | 146 | 298 | 1,345 | 0    | 2,041  | 200 | 0    | 0    | 200  |             |
| 3/13/2014              | 3/13/2014      | 24             | A    | 991             | 88  | 209 | 903   | 0    | 2,375  | 211 | 0    | 0    | 211  |             |
| 3/15/2014              | 3/15/2014      | 24             | A    | 1,104           | 72  | 199 | 1,032 | 0    | 2,764  | 180 | 0    | 0    | 180  |             |
| 3/16/2014              | 3/16/2014      | 24             | A    | 1,251           | 122 | 202 | 1,129 | 0    | 1,656  | 161 | 0    | 0    | 161  |             |
| 3/17/2014              | 3/17/2014      | 24             | A    | 1,336           | 141 | 195 | 1,195 | 0    | 1,383  | 146 | 0    | 0    | 146  |             |
| 3/18/2014              | 3/18/2014      | 24             | A    | 1,287           | 154 | 201 | 1,133 | 0    | 1,305  | 156 | 0    | 0    | 156  |             |
| 3/21/2014              | 3/21/2014      | 24             | A    | 978             | 117 | 229 | 861   | 0    | 1,957  | 234 | 0    | 0    | 234  |             |
| 3/22/2014              | 3/22/2014      | 24             | A    | 916             | 114 | 95  | 802   | 0    | 833    | 104 | 0    | 0    | 104  |             |
| 3/23/2014              | 3/23/2014      | 24             | A    | 780             | 108 | 93  | 672   | 0    | 861    | 119 | 0    | 0    | 119  |             |
| 3/24/2014              | 3/24/2014      | 24             | A    | 750             | 94  | 93  | 656   | 0    | 989    | 124 | 0    | 0    | 124  |             |
| 3/26/2014              | 3/26/2014      | 24             | A    | 899             | 108 | 99  | 791   | 0    | 917    | 110 | 0    | 0    | 110  |             |

\*\* All values are recorded using imperial units.

# Well Test History Report

Select By: Field

Display: All well tests between 10/01/2013 - 04/15/2014

| Test Date              | Effective Date | Measured Hours | Type | 24 Hour Volumes |     |     |       |      | Ratios |     |      |      |      | Fluid Level |
|------------------------|----------------|----------------|------|-----------------|-----|-----|-------|------|--------|-----|------|------|------|-------------|
|                        |                |                |      | Gr Liquid       | OIL | GAS | WAT   | LIFT | GOR    | GLR | IGOR | IGLR | TGLR |             |
| Field: CEDAR LAKE (BP) |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| CROW FEDERAL #11H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 3/27/2014              | 3/27/2014      | 24             | A    | 957             | 138 | 123 | 819   | 0    | 891    | 129 | 0    | 0    | 129  |             |
| 3/28/2014              | 3/28/2014      | 24             | A    | 918             | 109 | 116 | 809   | 0    | 1,064  | 126 | 0    | 0    | 126  |             |
| 3/30/2014              | 3/30/2014      | 24             | A    | 1,116           | 189 | 149 | 927   | 0    | 788    | 134 | 0    | 0    | 134  |             |
| 3/31/2014              | 3/31/2014      | 24             | A    | 1,117           | 185 | 139 | 932   | 0    | 751    | 124 | 0    | 0    | 124  |             |
| 4/1/2014               | 4/1/2014       | 24             | A    | 1,257           | 190 | 151 | 1,067 | 0    | 795    | 120 | 0    | 0    | 120  |             |
| 4/4/2014               | 4/4/2014       | 24             | A    | 947             | 135 | 151 | 812   | 0    | 1,119  | 159 | 0    | 0    | 159  |             |
| 4/5/2014               | 4/5/2014       | 24             | A    | 1,073           | 154 | 200 | 919   | 0    | 1,299  | 186 | 0    | 0    | 186  |             |
| 4/6/2014               | 4/6/2014       | 24             | A    | 1,060           | 151 | 171 | 909   | 0    | 1,132  | 161 | 0    | 0    | 161  |             |
| 4/7/2014               | 4/7/2014       | 24             | A    | 982             | 142 | 161 | 840   | 0    | 1,134  | 164 | 0    | 0    | 164  |             |
| 4/8/2014               | 4/8/2014       | 24             | A    | 987             | 148 | 158 | 839   | 0    | 1,068  | 160 | 0    | 0    | 160  |             |
| 4/9/2014               | 4/9/2014       | 24             | A    | 929             | 137 | 132 | 792   | 0    | 964    | 142 | 0    | 0    | 142  |             |
| Averages by Completion |                |                |      | 1,288           | 131 | 239 | 1,157 | 0    |        |     |      |      |      |             |
| CROW FEDERAL #12H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 11/6/2013              | 11/6/2013      | 24             | A    | 756             | 0   | 0   | 756   | 0    |        | 0   |      | 0    | 0    |             |
| 11/14/2013             | 11/14/2013     | 24             | A    | 1,061           | 6   | 3   | 1,055 | 0    | 500    | 3   | 0    | 0    | 3    |             |
| 11/18/2013             | 11/18/2013     | 24             | A    | 1,050           | 5   | 6   | 1,045 | 0    | 1,200  | 6   | 0    | 0    | 6    |             |
| 11/19/2013             | 11/19/2013     | 24             | A    | 1,043           | 4   | 5   | 1,039 | 0    | 1,250  | 5   | 0    | 0    | 5    |             |
| 11/20/2013             | 11/20/2013     | 24             | A    | 1,026           | 4   | 5   | 1,022 | 0    | 1,250  | 5   | 0    | 0    | 5    |             |
| 11/26/2013             | 11/26/2013     | 24             | A    | 1,047           | 8   | 15  | 1,039 | 0    | 1,875  | 14  | 0    | 0    | 14   |             |
| 11/28/2013             | 11/28/2013     | 24             | A    | 1,236           | 40  | 50  | 1,196 | 0    | 1,250  | 40  | 0    | 0    | 40   |             |
| 11/29/2013             | 11/29/2013     | 24             | A    | 1,237           | 56  | 67  | 1,181 | 0    | 1,196  | 54  | 0    | 0    | 54   |             |
| 12/1/2013              | 12/1/2013      | 24             | A    | 1,116           | 11  | 14  | 1,105 | 0    | 1,273  | 13  | 0    | 0    | 13   |             |
| 12/2/2013              | 12/2/2013      | 24             | A    | 1,121           | 10  | 11  | 1,111 | 0    | 1,100  | 10  | 0    | 0    | 10   |             |
| 12/3/2013              | 12/3/2013      | 24             | A    | 1,110           | 10  | 12  | 1,100 | 0    | 1,200  | 11  | 0    | 0    | 11   |             |
| 12/4/2013              | 12/4/2013      | 24             | A    | 1,118           | 9   | 14  | 1,109 | 0    | 1,556  | 13  | 0    | 0    | 13   |             |
| 12/5/2013              | 12/5/2013      | 24             | A    | 1,147           | 12  | 15  | 1,135 | 0    | 1,250  | 13  | 0    | 0    | 13   |             |
| 12/6/2013              | 12/6/2013      | 24             | A    | 1,155           | 10  | 12  | 1,145 | 0    | 1,200  | 10  | 0    | 0    | 10   |             |
| 12/7/2013              | 12/7/2013      | 24             | A    | 1,151           | 10  | 11  | 1,141 | 0    | 1,100  | 10  | 0    | 0    | 10   |             |
| 12/8/2013              | 12/8/2013      | 24             | A    | 1,166           | 10  | 11  | 1,156 | 0    | 1,100  | 9   | 0    | 0    | 9    |             |
| 12/15/2013             | 12/15/2013     | 24             | A    | 1,032           | 7   | 12  | 1,025 | 0    | 1,714  | 12  | 0    | 0    | 12   |             |
| 1/9/2014               | 1/9/2014       | 24             | A    | 1,140           | 5   | 16  | 1,135 | 0    | 3,200  | 14  | 0    | 0    | 14   |             |
| 1/10/2014              | 1/10/2014      | 24             | A    | 1,156           | 8   | 18  | 1,148 | 0    | 2,250  | 16  | 0    | 0    | 16   |             |
| 1/13/2014              | 1/13/2014      | 24             | A    | 1,159           | 5   | 14  | 1,154 | 0    | 2,800  | 12  | 0    | 0    | 12   |             |
| 1/16/2014              | 1/16/2014      | 24             | A    | 1,175           | 6   | 15  | 1,169 | 0    | 2,500  | 13  | 0    | 0    | 13   |             |
| 1/17/2014              | 1/17/2014      | 24             | A    | 1,228           | 3   | 13  | 1,225 | 0    | 4,333  | 11  | 0    | 0    | 11   |             |

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# Well Test History Report

Select By: Field

Display: All well tests between 10/01/2013 - 04/15/2014

| Test Date              | Effective Date | Measured Hours | Type | 24 Hour Volumes |     |     |       |      | Ratios |     |      |      |      | Fluid Level |
|------------------------|----------------|----------------|------|-----------------|-----|-----|-------|------|--------|-----|------|------|------|-------------|
|                        |                |                |      | Gr Liquid       | OIL | GAS | WAT   | LIFT | GOR    | GLR | IGOR | IGLR | TGLR |             |
| Field: CEDAR LAKE (BP) |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| CROW FEDERAL #12H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 1/19/2014              | 1/19/2014      | 24             | A    | 1,200           | 3   | 12  | 1,197 | 0    | 4,000  | 10  | 0    | 0    | 10   |             |
| 1/21/2014              | 1/21/2014      | 24             | A    | 1,181           | 3   | 11  | 1,178 | 0    | 3,667  | 9   | 0    | 0    | 9    |             |
| 1/25/2014              | 1/25/2014      | 24             | A    | 1,247           | 2   | 5   | 1,245 | 0    | 2,500  | 4   | 0    | 0    | 4    |             |
| 1/27/2014              | 1/27/2014      | 24             | A    | 1,239           | 2   | 5   | 1,237 | 0    | 2,500  | 4   | 0    | 0    | 4    |             |
| 2/5/2014               | 2/5/2014       | 24             | A    | 1,248           | 3   | 4   | 1,245 | 0    | 1,333  | 3   | 0    | 0    | 3    |             |
| 2/7/2014               | 2/7/2014       | 24             | A    | 1,290           | 2   | 4   | 1,288 | 0    | 2,000  | 3   | 0    | 0    | 3    |             |
| Averages by Completion |                |                |      | 1,137           | 9   | 14  | 1,128 | 0    |        |     |      |      |      |             |
| CROW FEDERAL #13H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 11/26/2013             | 11/26/2013     | 24             | A    | 796             | 3   | 50  | 793   | 0    | 16,667 | 63  | 0    | 0    | 63   |             |
| 11/30/2013             | 11/30/2013     | 24             | A    | 1,353           | 146 | 195 | 1,207 | 0    | 1,336  | 144 | 0    | 0    | 144  |             |
| 12/2/2013              | 12/2/2013      | 24             | A    | 1,357           | 141 | 200 | 1,216 | 0    | 1,418  | 147 | 0    | 0    | 147  |             |
| 12/6/2013              | 12/6/2013      | 24             | A    | 1,357           | 131 | 189 | 1,226 | 0    | 1,443  | 139 | 0    | 0    | 139  |             |
| 12/7/2013              | 12/7/2013      | 24             | A    | 1,322           | 125 | 184 | 1,197 | 0    | 1,472  | 139 | 0    | 0    | 139  |             |
| 12/8/2013              | 12/8/2013      | 24             | A    | 1,333           | 130 | 217 | 1,203 | 0    | 1,669  | 163 | 0    | 0    | 163  |             |
| 1/9/2014               | 1/9/2014       | 24             | A    | 1,390           | 65  | 220 | 1,325 | 0    | 3,385  | 158 | 0    | 0    | 158  |             |
| 1/10/2014              | 1/10/2014      | 24             | A    | 1,362           | 42  | 210 | 1,320 | 0    | 5,000  | 154 | 0    | 0    | 154  |             |
| 1/12/2014              | 1/12/2014      | 24             | A    | 1,447           | 36  | 212 | 1,411 | 0    | 5,889  | 147 | 0    | 0    | 147  |             |
| 1/14/2014              | 1/14/2014      | 24             | A    | 1,463           | 42  | 220 | 1,421 | 0    | 5,238  | 150 | 0    | 0    | 150  |             |
| 1/18/2014              | 1/18/2014      | 24             | A    | 1,473           | 40  | 225 | 1,433 | 0    | 5,625  | 153 | 0    | 0    | 153  |             |
| 1/20/2014              | 1/20/2014      | 24             | A    | 1,482           | 41  | 226 | 1,441 | 0    | 5,512  | 152 | 0    | 0    | 152  |             |
| 1/26/2014              | 1/26/2014      | 24             | A    | 1,466           | 141 | 278 | 1,325 | 0    | 1,972  | 190 | 0    | 0    | 190  |             |
| 2/5/2014               | 2/5/2014       | 24             | A    | 1,483           | 136 | 282 | 1,347 | 0    | 2,074  | 190 | 0    | 0    | 190  |             |
| 2/8/2014               | 2/8/2014       | 24             | A    | 1,468           | 141 | 276 | 1,327 | 0    | 1,957  | 188 | 0    | 0    | 188  |             |
| 2/11/2014              | 2/11/2014      | 24             | A    | 1,475           | 135 | 280 | 1,340 | 0    | 2,074  | 190 | 0    | 0    | 190  |             |
| 2/17/2014              | 2/17/2014      | 24             | A    | 1,487           | 138 | 286 | 1,349 | 0    | 2,072  | 192 | 0    | 0    | 192  |             |
| 2/21/2014              | 2/21/2014      | 24             | A    | 3,574           | 330 | 377 | 3,244 | 0    | 1,142  | 105 | 0    | 0    | 105  |             |
| 2/23/2014              | 2/23/2014      | 24             | A    | 4,033           | 299 | 494 | 3,734 | 0    | 1,652  | 122 | 0    | 0    | 122  |             |
| 2/24/2014              | 2/24/2014      | 24             | A    | 3,746           | 260 | 507 | 3,486 | 0    | 1,950  | 135 | 0    | 0    | 135  |             |
| 2/25/2014              | 2/25/2014      | 24             | A    | 3,717           | 302 | 473 | 3,415 | 0    | 1,566  | 127 | 0    | 0    | 127  |             |
| 2/26/2014              | 2/26/2014      | 24             | A    | 4,172           | 312 | 518 | 3,860 | 0    | 1,660  | 124 | 0    | 0    | 124  |             |
| 2/28/2014              | 2/28/2014      | 24             | A    | 4,221           | 337 | 512 | 3,884 | 0    | 1,519  | 121 | 0    | 0    | 121  |             |
| 3/1/2014               | 3/1/2014       | 24             | A    | 4,027           | 384 | 514 | 3,643 | 0    | 1,339  | 128 | 0    | 0    | 128  |             |
| 3/2/2014               | 3/2/2014       | 24             | A    | 3,173           | 425 | 400 | 2,748 | 0    | 941    | 126 | 0    | 0    | 126  |             |
| 3/3/2014               | 3/3/2014       | 24             | A    | 3,528           | 287 | 506 | 3,241 | 0    | 1,763  | 143 | 0    | 0    | 143  |             |
| 3/4/2014               | 3/4/2014       | 24             | A    | 4,020           | 369 | 567 | 3,651 | 0    | 1,537  | 141 | 0    | 0    | 141  |             |

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# Well Test History Report

Select By: Field  
Display: All well tests between 10/01/2013 - 04/15/2014

| Test Date              | Effective Date | Measured Hours | Type | 24 Hour Volumes |     |     |       |      | Ratios |     |      |      |      | Fluid Level |
|------------------------|----------------|----------------|------|-----------------|-----|-----|-------|------|--------|-----|------|------|------|-------------|
|                        |                |                |      | Gr Liquid       | OIL | GAS | WAT   | LIFT | GOR    | GLR | IGOR | IGLR | TGLR |             |
| Field: CEDAR LAKE (BP) |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| CROW FEDERAL #13H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 3/5/2014               | 3/5/2014       | 24             | A    | 4,211           | 421 | 574 | 3,790 | 0    | 1,363  | 136 | 0    | 0    | 136  |             |
| 3/6/2014               | 3/6/2014       | 24             | A    | 3,799           | 359 | 576 | 3,440 | 0    | 1,604  | 152 | 0    | 0    | 152  |             |
| 3/7/2014               | 3/7/2014       | 24             | A    | 3,883           | 364 | 583 | 3,519 | 0    | 1,602  | 150 | 0    | 0    | 150  |             |
| 3/8/2014               | 3/8/2014       | 24             | A    | 4,097           | 291 | 588 | 3,806 | 0    | 2,021  | 144 | 0    | 0    | 144  |             |
| 3/9/2014               | 3/9/2014       | 24             | A    | 3,806           | 400 | 591 | 3,406 | 0    | 1,478  | 155 | 0    | 0    | 155  |             |
| 3/11/2014              | 3/11/2014      | 24             | A    | 3,763           | 400 | 593 | 3,363 | 0    | 1,483  | 158 | 0    | 0    | 158  |             |
| 3/12/2014              | 3/12/2014      | 24             | A    | 3,938           | 400 | 615 | 3,538 | 0    | 1,538  | 156 | 0    | 0    | 156  |             |
| 3/13/2014              | 3/13/2014      | 24             | A    | 3,909           | 426 | 620 | 3,483 | 0    | 1,455  | 159 | 0    | 0    | 159  |             |
| 3/14/2014              | 3/14/2014      | 24             | A    | 4,271           | 504 | 623 | 3,767 | 0    | 1,236  | 146 | 0    | 0    | 146  |             |
| 3/15/2014              | 3/15/2014      | 24             | A    | 4,077           | 421 | 630 | 3,656 | 0    | 1,496  | 155 | 0    | 0    | 155  |             |
| 3/16/2014              | 3/16/2014      | 24             | A    | 3,887           | 416 | 633 | 3,471 | 0    | 1,522  | 163 | 0    | 0    | 163  |             |
| 3/17/2014              | 3/17/2014      | 24             | A    | 4,006           | 395 | 639 | 3,611 | 0    | 1,618  | 160 | 0    | 0    | 160  |             |
| 3/18/2014              | 3/18/2014      | 24             | A    | 3,933           | 410 | 648 | 3,523 | 0    | 1,580  | 165 | 0    | 0    | 165  |             |
| 3/19/2014              | 3/19/2014      | 24             | A    | 3,943           | 437 | 650 | 3,506 | 0    | 1,487  | 165 | 0    | 0    | 165  |             |
| 3/20/2014              | 3/20/2014      | 24             | A    | 4,137           | 484 | 651 | 3,653 | 0    | 1,345  | 157 | 0    | 0    | 157  |             |
| 3/21/2014              | 3/21/2014      | 24             | A    | 3,570           | 417 | 653 | 3,153 | 0    | 1,566  | 183 | 0    | 0    | 183  |             |
| 3/22/2014              | 3/22/2014      | 24             | A    | 4,103           | 478 | 655 | 3,625 | 0    | 1,370  | 160 | 0    | 0    | 160  |             |
| 3/23/2014              | 3/23/2014      | 24             | A    | 3,356           | 406 | 653 | 2,950 | 0    | 1,608  | 195 | 0    | 0    | 195  |             |
| 3/24/2014              | 3/24/2014      | 24             | A    | 3,831           | 421 | 655 | 3,410 | 0    | 1,556  | 171 | 0    | 0    | 171  |             |
| 3/26/2014              | 3/26/2014      | 24             | A    | 4,089           | 447 | 662 | 3,642 | 0    | 1,481  | 162 | 0    | 0    | 162  |             |
| 3/27/2014              | 3/27/2014      | 24             | A    | 3,669           | 419 | 676 | 3,250 | 0    | 1,613  | 184 | 0    | 0    | 184  |             |
| 3/28/2014              | 3/28/2014      | 24             | A    | 3,872           | 426 | 671 | 3,446 | 0    | 1,575  | 173 | 0    | 0    | 173  |             |
| 3/29/2014              | 3/29/2014      | 24             | A    | 3,899           | 436 | 676 | 3,463 | 0    | 1,550  | 173 | 0    | 0    | 173  |             |
| 3/30/2014              | 3/30/2014      | 24             | A    | 3,805           | 432 | 679 | 3,373 | 0    | 1,572  | 178 | 0    | 0    | 178  |             |
| 3/31/2014              | 3/31/2014      | 24             | A    | 3,992           | 668 | 680 | 3,324 | 0    | 1,018  | 170 | 0    | 0    | 170  |             |
| 4/1/2014               | 4/1/2014       | 24             | A    | 3,878           | 668 | 683 | 3,210 | 0    | 1,022  | 176 | 0    | 0    | 176  |             |
| 4/2/2014               | 4/2/2014       | 24             | A    | 3,598           | 421 | 687 | 3,177 | 0    | 1,632  | 191 | 0    | 0    | 191  |             |
| 4/3/2014               | 4/3/2014       | 24             | A    | 3,856           | 447 | 690 | 3,409 | 0    | 1,544  | 179 | 0    | 0    | 179  |             |
| 4/4/2014               | 4/4/2014       | 24             | A    | 3,325           | 400 | 690 | 2,925 | 0    | 1,725  | 208 | 0    | 0    | 208  |             |
| 4/5/2014               | 4/5/2014       | 24             | A    | 3,767           | 504 | 696 | 3,263 | 0    | 1,381  | 185 | 0    | 0    | 185  |             |
| 4/6/2014               | 4/6/2014       | 24             | A    | 3,824           | 499 | 701 | 3,325 | 0    | 1,405  | 183 | 0    | 0    | 183  |             |
| 4/7/2014               | 4/7/2014       | 24             | A    | 3,600           | 458 | 730 | 3,142 | 0    | 1,594  | 203 | 0    | 0    | 203  |             |
| 4/8/2014               | 4/8/2014       | 24             | A    | 3,648           | 458 | 733 | 3,190 | 0    | 1,600  | 201 | 0    | 0    | 201  |             |
| 4/9/2014               | 4/9/2014       | 24             | A    | 3,368           | 453 | 733 | 2,915 | 0    | 1,618  | 218 | 0    | 0    | 218  |             |
| 4/10/2014              | 4/10/2014      | 24             | A    | 3,916           | 530 | 732 | 3,386 | 0    | 1,381  | 187 | 0    | 0    | 187  |             |
| 4/11/2014              | 4/11/2014      | 24             | A    | 3,528           | 468 | 735 | 3,060 | 0    | 1,571  | 208 | 0    | 0    | 208  |             |
| 4/12/2014              | 4/12/2014      | 24             | A    | 3,483           | 467 | 727 | 3,016 | 0    | 1,557  | 209 | 0    | 0    | 209  |             |

\*\* All values are recorded using imperial units.

# Well Test History Report

Select By: Field

Display: All well tests between 10/01/2013 - 04/15/2014

| Test Date              | Effective Date | Measured Hours | Type | 24 Hour Volumes |     |     |       |      | Ratios |     |      |      |      | Fluid Level |
|------------------------|----------------|----------------|------|-----------------|-----|-----|-------|------|--------|-----|------|------|------|-------------|
|                        |                |                |      | Gr Liquid       | OIL | GAS | WAT   | LIFT | GOR    | GLR | IGOR | IGLR | TGLR |             |
| Field: CEDAR LAKE (BP) |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| CROW FEDERAL #13H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 4/13/2014              | 4/13/2014      | 24             | A    | 3,523           | 472 | 725 | 3,051 | 0    | 1,536  | 206 | 0    | 0    | 206  |             |
| 4/14/2014              | 4/14/2014      | 24             | A    | 3,597           | 488 | 727 | 3,109 | 0    | 1,490  | 202 | 0    | 0    | 202  |             |
| 4/15/2014              | 4/15/2014      | 24             | A    | 3,492           | 468 | 731 | 3,024 | 0    | 1,562  | 209 | 0    | 0    | 209  |             |
| Averages by Completion |                |                |      | 3,194           | 341 | 526 | 2,853 | 0    |        |     |      |      |      |             |
| CROW FEDERAL #14H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 11/15/2013             | 11/15/2013     | 24             | A    | 1,150           | 25  | 0   | 1,125 | 0    | 0      | 0   | 0    | 0    | 0    |             |
| 11/16/2013             | 11/16/2013     | 24             | A    | 1,150           | 25  | 0   | 1,125 | 0    | 0      | 0   | 0    | 0    | 0    |             |
| 11/17/2013             | 11/17/2013     | 24             | A    | 1,162           | 64  | 55  | 1,098 | 0    | 859    | 47  | 0    | 0    | 47   |             |
| 11/18/2013             | 11/18/2013     | 24             | A    | 1,260           | 157 | 100 | 1,103 | 0    | 637    | 79  | 0    | 0    | 79   |             |
| 11/28/2013             | 11/28/2013     | 24             | A    | 1,267           | 145 | 127 | 1,122 | 0    | 876    | 100 | 0    | 0    | 100  |             |
| 11/29/2013             | 11/29/2013     | 24             | A    | 1,278           | 140 | 141 | 1,138 | 0    | 1,007  | 110 | 0    | 0    | 110  |             |
| 12/1/2013              | 12/1/2013      | 24             | A    | 1,468           | 143 | 192 | 1,325 | 0    | 1,343  | 131 | 0    | 0    | 131  |             |
| 12/2/2013              | 12/2/2013      | 24             | A    | 1,555           | 140 | 182 | 1,415 | 0    | 1,300  | 117 | 0    | 0    | 117  |             |
| 12/3/2013              | 12/3/2013      | 24             | A    | 1,558           | 142 | 190 | 1,416 | 0    | 1,338  | 122 | 0    | 0    | 122  |             |
| 12/4/2013              | 12/4/2013      | 24             | A    | 1,556           | 141 | 187 | 1,415 | 0    | 1,326  | 120 | 0    | 0    | 120  |             |
| 12/5/2013              | 12/5/2013      | 24             | A    | 1,565           | 140 | 188 | 1,425 | 0    | 1,343  | 120 | 0    | 0    | 120  |             |
| 1/9/2014               | 1/9/2014       | 24             | A    | 1,481           | 15  | 5   | 1,466 | 0    | 333    | 3   | 0    | 0    | 3    |             |
| 1/10/2014              | 1/10/2014      | 24             | A    | 1,484           | 12  | 8   | 1,472 | 0    | 667    | 5   | 0    | 0    | 5    |             |
| 1/12/2014              | 1/12/2014      | 24             | A    | 1,482           | 16  | 11  | 1,466 | 0    | 688    | 7   | 0    | 0    | 7    |             |
| 1/14/2014              | 1/14/2014      | 24             | A    | 1,470           | 18  | 13  | 1,452 | 0    | 722    | 9   | 0    | 0    | 9    |             |
| 1/18/2014              | 1/18/2014      | 24             | A    | 1,469           | 20  | 15  | 1,449 | 0    | 750    | 10  | 0    | 0    | 10   |             |
| 1/20/2014              | 1/20/2014      | 24             | A    | 1,470           | 19  | 16  | 1,451 | 0    | 842    | 11  | 0    | 0    | 11   |             |
| 1/26/2014              | 1/26/2014      | 24             | A    | 1,598           | 132 | 125 | 1,466 | 0    | 947    | 78  | 0    | 0    | 78   |             |
| 2/5/2014               | 2/5/2014       | 24             | A    | 1,615           | 141 | 210 | 1,474 | 0    | 1,489  | 130 | 0    | 0    | 130  |             |
| 2/8/2014               | 2/8/2014       | 24             | A    | 1,505           | 144 | 214 | 1,361 | 0    | 1,486  | 142 | 0    | 0    | 142  |             |
| 2/11/2014              | 2/11/2014      | 24             | A    | 1,508           | 143 | 211 | 1,365 | 0    | 1,476  | 140 | 0    | 0    | 140  |             |
| 2/16/2014              | 2/16/2014      | 24             | A    | 1,507           | 145 | 212 | 1,362 | 0    | 1,462  | 141 | 0    | 0    | 141  |             |
| 3/4/2014               | 3/4/2014       | 24             | A    | 1,477           | 224 | 251 | 1,253 | 0    | 1,121  | 170 | 0    | 0    | 170  |             |
| 3/5/2014               | 3/5/2014       | 24             | A    | 1,376           | 198 | 232 | 1,178 | 0    | 1,172  | 169 | 0    | 0    | 169  |             |
| 3/6/2014               | 3/6/2014       | 24             | A    | 1,480           | 259 | 219 | 1,221 | 0    | 846    | 148 | 0    | 0    | 148  |             |
| 3/7/2014               | 3/7/2014       | 24             | A    | 1,601           | 313 | 209 | 1,288 | 0    | 668    | 131 | 0    | 0    | 131  |             |
| 3/8/2014               | 3/8/2014       | 24             | A    | 1,377           | 242 | 188 | 1,135 | 0    | 777    | 137 | 0    | 0    | 137  |             |
| 3/9/2014               | 3/9/2014       | 24             | A    | 1,420           | 198 | 201 | 1,222 | 0    | 1,015  | 142 | 0    | 0    | 142  |             |
| 3/11/2014              | 3/11/2014      | 24             | A    | 1,432           | 244 | 209 | 1,188 | 0    | 857    | 146 | 0    | 0    | 146  |             |
| 3/12/2014              | 3/12/2014      | 24             | A    | 1,414           | 227 | 258 | 1,187 | 0    | 1,137  | 182 | 0    | 0    | 182  |             |

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# Well Test History Report

Select By: Field

Display: All well tests between 10/01/2013 - 04/15/2014

| Test Date              | Effective Date | Measured Hours | Type | 24 Hour Volumes |     |     |       |      | Ratios |     |      |      |      | Fluid Level |
|------------------------|----------------|----------------|------|-----------------|-----|-----|-------|------|--------|-----|------|------|------|-------------|
|                        |                |                |      | Gr Liquid       | OIL | GAS | WAT   | LIFT | GOR    | GLR | IGOR | IGLR | TGLR |             |
| Field: CEDAR LAKE (BP) |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| CROW FEDERAL #14H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 3/13/2014              | 3/13/2014      | 24             | A    | 1,415           | 231 | 252 | 1,184 | 0    | 1,091  | 178 | 0    | 0    | 178  |             |
| 3/14/2014              | 3/14/2014      | 24             | A    | 1,466           | 267 | 266 | 1,199 | 0    | 996    | 181 | 0    | 0    | 181  |             |
| 3/15/2014              | 3/15/2014      | 24             | A    | 1,406           | 241 | 232 | 1,165 | 0    | 963    | 165 | 0    | 0    | 165  |             |
| 3/16/2014              | 3/16/2014      | 24             | A    | 1,413           | 225 | 236 | 1,188 | 0    | 1,049  | 167 | 0    | 0    | 167  |             |
| 3/17/2014              | 3/17/2014      | 24             | A    | 1,640           | 229 | 231 | 1,411 | 0    | 1,009  | 141 | 0    | 0    | 141  |             |
| 3/18/2014              | 3/18/2014      | 24             | A    | 1,549           | 220 | 228 | 1,329 | 0    | 1,036  | 147 | 0    | 0    | 147  |             |
| 3/20/2014              | 3/20/2014      | 24             | A    | 1,461           | 272 | 252 | 1,189 | 0    | 926    | 172 | 0    | 0    | 172  |             |
| 3/21/2014              | 3/21/2014      | 24             | A    | 1,359           | 306 | 261 | 1,053 | 0    | 853    | 192 | 0    | 0    | 192  |             |
| 3/22/2014              | 3/22/2014      | 24             | A    | 1,542           | 309 | 310 | 1,233 | 0    | 1,003  | 201 | 0    | 0    | 201  |             |
| 3/23/2014              | 3/23/2014      | 24             | A    | 1,270           | 246 | 260 | 1,024 | 0    | 1,057  | 205 | 0    | 0    | 205  |             |
| 3/24/2014              | 3/24/2014      | 24             | A    | 1,409           | 329 | 319 | 1,080 | 0    | 970    | 226 | 0    | 0    | 226  |             |
| 4/2/2014               | 4/2/2014       | 24             | A    | 1,270           | 260 | 311 | 1,010 | 0    | 1,196  | 245 | 0    | 0    | 245  |             |
| 4/3/2014               | 4/3/2014       | 24             | A    | 1,455           | 292 | 324 | 1,163 | 0    | 1,110  | 223 | 0    | 0    | 223  |             |
| 4/10/2014              | 4/10/2014      | 24             | A    | 1,403           | 323 | 327 | 1,080 | 0    | 1,012  | 233 | 0    | 0    | 233  |             |
| 4/11/2014              | 4/11/2014      | 24             | A    | 1,286           | 296 | 316 | 990   | 0    | 1,068  | 246 | 0    | 0    | 246  |             |
| 4/12/2014              | 4/12/2014      | 24             | A    | 1,268           | 306 | 311 | 962   | 0    | 1,016  | 245 | 0    | 0    | 245  |             |
| 4/13/2014              | 4/13/2014      | 24             | A    | 1,286           | 308 | 315 | 978   | 0    | 1,023  | 245 | 0    | 0    | 245  |             |
| 4/14/2014              | 4/14/2014      | 24             | A    | 1,268           | 306 | 317 | 962   | 0    | 1,036  | 250 | 0    | 0    | 250  |             |
| 4/15/2014              | 4/15/2014      | 24             | A    | 1,322           | 320 | 312 | 1,002 | 0    | 975    | 236 | 0    | 0    | 236  |             |
| Averages by Completion |                |                |      | 1,421           | 189 | 195 | 1,232 | 0    |        |     |      |      |      |             |
| CROW FEDERAL #15H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 11/26/2013             | 11/26/2013     | 24             | A    | 1,212           | 65  | 60  | 1,147 | 0    | 923    | 50  | 0    | 0    | 50   |             |
| 11/28/2013             | 11/28/2013     | 24             | A    | 1,187           | 50  | 80  | 1,137 | 0    | 1,600  | 67  | 0    | 0    | 67   |             |
| 11/29/2013             | 11/29/2013     | 24             | A    | 1,242           | 75  | 95  | 1,167 | 0    | 1,267  | 76  | 0    | 0    | 76   |             |
| 12/1/2013              | 12/1/2013      | 24             | A    | 1,468           | 106 | 85  | 1,362 | 0    | 802    | 58  | 0    | 0    | 58   |             |
| 12/2/2013              | 12/2/2013      | 24             | A    | 1,460           | 99  | 84  | 1,361 | 0    | 848    | 58  | 0    | 0    | 58   |             |
| 12/3/2013              | 12/3/2013      | 24             | A    | 1,466           | 100 | 85  | 1,366 | 0    | 850    | 58  | 0    | 0    | 58   |             |
| 12/4/2013              | 12/4/2013      | 24             | A    | 1,489           | 101 | 87  | 1,388 | 0    | 861    | 58  | 0    | 0    | 58   |             |
| 1/9/2014               | 1/9/2014       | 24             | A    | 1,432           | 10  | 20  | 1,422 | 0    | 2,000  | 14  | 0    | 0    | 14   |             |
| 1/10/2014              | 1/10/2014      | 24             | A    | 1,424           | 8   | 17  | 1,416 | 0    | 2,125  | 12  | 0    | 0    | 12   |             |
| 1/12/2014              | 1/12/2014      | 24             | A    | 1,432           | 12  | 19  | 1,420 | 0    | 1,583  | 13  | 0    | 0    | 13   |             |
| 1/14/2014              | 1/14/2014      | 24             | A    | 1,441           | 21  | 20  | 1,420 | 0    | 952    | 14  | 0    | 0    | 14   |             |
| 1/18/2014              | 1/18/2014      | 24             | A    | 1,449           | 22  | 18  | 1,427 | 0    | 818    | 12  | 0    | 0    | 12   |             |
| 1/20/2014              | 1/20/2014      | 24             | A    | 1,458           | 22  | 20  | 1,436 | 0    | 909    | 14  | 0    | 0    | 14   |             |
| 1/26/2014              | 1/26/2014      | 24             | A    | 1,288           | 36  | 105 | 1,252 | 0    | 2,917  | 82  | 0    | 0    | 82   |             |

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# Well Test History Report

Select By: Field

Display: All well tests between 10/01/2013 - 04/15/2014

| Test Date              | Effective Date | Measured Hours | Type | 24 Hour Volumes |     |     |       |      | Ratios |     |      |      |      | Fluid Level |
|------------------------|----------------|----------------|------|-----------------|-----|-----|-------|------|--------|-----|------|------|------|-------------|
|                        |                |                |      | Gr Liquid       | OIL | GAS | WAT   | LIFT | GOR    | GLR | IGOR | IGLR | TGLR |             |
| Field: CEDAR LAKE (BP) |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| CROW FEDERAL #15H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 2/5/2014               | 2/5/2014       | 24             | A    | 1,399           | 62  | 135 | 1,337 | 0    | 2,177  | 96  | 0    | 0    | 96   |             |
| 2/8/2014               | 2/8/2014       | 24             | A    | 1,358           | 34  | 149 | 1,324 | 0    | 4,382  | 110 | 0    | 0    | 110  |             |
| 2/11/2014              | 2/11/2014      | 24             | A    | 1,270           | 32  | 145 | 1,238 | 0    | 4,531  | 114 | 0    | 0    | 114  |             |
| Averages by Completion |                |                |      | 1,381           | 50  | 72  | 1,331 | 0    |        |     |      |      |      |             |
| CROW FEDERAL #16H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 2/3/2014               | 2/3/2014       | 24             | A    | 878             | 25  | 10  | 853   | 0    | 400    | 11  | 0    | 0    | 11   |             |
| 2/17/2014              | 2/17/2014      | 24             | A    | 888             | 23  | 12  | 865   | 0    | 522    | 14  | 0    | 0    | 14   |             |
| 3/2/2014               | 3/2/2014       | 24             | A    | 1,234           | 122 | 148 | 1,112 | 0    | 1,213  | 120 | 0    | 0    | 120  |             |
| 3/6/2014               | 3/6/2014       | 24             | A    | 1,381           | 93  | 154 | 1,288 | 0    | 1,656  | 112 | 0    | 0    | 112  |             |
| 3/7/2014               | 3/7/2014       | 24             | A    | 1,117           | 99  | 207 | 1,018 | 0    | 2,091  | 185 | 0    | 0    | 185  |             |
| 3/19/2014              | 3/19/2014      | 24             | A    | 1,491           | 349 | 392 | 1,142 | 0    | 1,123  | 263 | 0    | 0    | 263  |             |
| 3/20/2014              | 3/20/2014      | 24             | A    | 1,430           | 364 | 409 | 1,066 | 0    | 1,124  | 286 | 0    | 0    | 286  |             |
| 3/21/2014              | 3/21/2014      | 24             | A    | 1,678           | 406 | 487 | 1,272 | 0    | 1,200  | 290 | 0    | 0    | 290  |             |
| 3/28/2014              | 3/28/2014      | 24             | A    | 1,512           | 357 | 512 | 1,155 | 0    | 1,434  | 339 | 0    | 0    | 339  |             |
| 4/6/2014               | 4/6/2014       | 24             | A    | 1,411           | 299 | 575 | 1,112 | 0    | 1,923  | 408 | 0    | 0    | 408  |             |
| 4/7/2014               | 4/7/2014       | 24             | A    | 1,491           | 317 | 562 | 1,174 | 0    | 1,773  | 377 | 0    | 0    | 377  |             |
| Averages by Completion |                |                |      | 1,319           | 223 | 315 | 1,096 | 0    |        |     |      |      |      |             |
| CROW FEDERAL #17H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 2/4/2014               | 2/4/2014       | 24             | A    | 752             | 10  | 10  | 742   | 0    | 1,000  | 13  | 0    | 0    | 13   |             |
| 2/17/2014              | 2/17/2014      | 24             | A    | 757             | 9   | 11  | 748   | 0    | 1,222  | 15  | 0    | 0    | 15   |             |
| 2/20/2014              | 2/20/2014      | 24             | A    | 1,193           | 273 | 33  | 920   | 0    | 121    | 28  | 0    | 0    | 28   |             |
| 2/22/2014              | 2/22/2014      | 24             | A    | 1,629           | 380 | 140 | 1,249 | 0    | 368    | 86  | 0    | 0    | 86   |             |
| 3/8/2014               | 3/8/2014       | 24             | A    | 1,201           | 221 | 237 | 980   | 0    | 1,072  | 197 | 0    | 0    | 197  |             |
| 3/9/2014               | 3/9/2014       | 24             | A    | 1,100           | 211 | 228 | 889   | 0    | 1,081  | 207 | 0    | 0    | 207  |             |
| 3/10/2014              | 3/10/2014      | 24             | A    | 1,311           | 214 | 173 | 1,097 | 0    | 808    | 132 | 0    | 0    | 132  |             |
| Averages by Completion |                |                |      | 1,135           | 188 | 119 | 946   | 0    |        |     |      |      |      |             |
| CROW FEDERAL #18H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 2/6/2014               | 2/6/2014       | 24             | A    | 435             | 10  | 10  | 425   | 0    | 1,000  | 23  | 0    | 0    | 23   |             |
| 2/17/2014              | 2/17/2014      | 24             | A    | 442             | 12  | 12  | 430   | 0    | 1,000  | 27  | 0    | 0    | 27   |             |
| 2/23/2014              | 2/23/2014      | 24             | A    | 936             | 48  | 24  | 888   | 0    | 500    | 26  | 0    | 0    | 26   |             |
| 3/9/2014               | 3/9/2014       | 24             | A    | 991             | 91  | 101 | 900   | 0    | 1,110  | 102 | 0    | 0    | 102  |             |

\*\* All values are recorded using imperial units.

# Well Test History Report

Select By: Field

Display: All well tests between 10/01/2013 - 04/15/2014

| Test Date              | Effective Date | Measured Hours | Type | 24 Hour Volumes |     |     |       |      | Ratios |     |      |      |      | Fluid Level |
|------------------------|----------------|----------------|------|-----------------|-----|-----|-------|------|--------|-----|------|------|------|-------------|
|                        |                |                |      | Gr Liquid       | OIL | GAS | WAT   | LIFT | GOR    | GLR | IGOR | IGLR | TGLR |             |
| Field: CEDAR LAKE (BP) |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| CROW FEDERAL #18H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 3/10/2014              | 3/10/2014      | 24             | A    | 1,011           | 66  | 89  | 945   | 0    | 1,348  | 88  | 0    | 0    | 88   |             |
| 3/12/2014              | 3/12/2014      | 24             | A    | 1,305           | 105 | 106 | 1,200 | 0    | 1,010  | 81  | 0    | 0    | 81   |             |
| 3/14/2014              | 3/14/2014      | 24             | A    | 1,059           | 146 | 132 | 913   | 0    | 904    | 125 | 0    | 0    | 125  |             |
| 3/18/2014              | 3/18/2014      | 24             | A    | 1,046           | 149 | 116 | 897   | 0    | 779    | 111 | 0    | 0    | 111  |             |
| 4/3/2014               | 4/3/2014       | 24             | A    | 1,465           | 211 | 279 | 1,254 | 0    | 1,322  | 190 | 0    | 0    | 190  |             |
| 4/9/2014               | 4/9/2014       | 24             | A    | 1,358           | 215 | 301 | 1,143 | 0    | 1,400  | 222 | 0    | 0    | 222  |             |
| Averages by Completion |                |                |      | 1,005           | 105 | 117 | 900   | 0    |        |     |      |      |      |             |
| CROW FEDERAL #22H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 1/31/2014              | 1/31/2014      | 17             | A    | 1,436           | 112 | 333 | 1,324 | 0    | 2,987  | 232 | 0    | 0    | 232  |             |
| 2/4/2014               | 2/4/2014       | 24             | A    | 525             | 19  | 39  | 506   | 0    | 2,053  | 74  | 0    | 0    | 74   |             |
| 2/5/2014               | 2/5/2014       | 24             | A    | 1,163           | 52  | 64  | 1,111 | 0    | 1,231  | 55  | 0    | 0    | 55   |             |
| 2/6/2014               | 2/6/2014       | 24             | A    | 576             | 29  | 47  | 547   | 0    | 1,621  | 82  | 0    | 0    | 82   |             |
| 2/7/2014               | 2/7/2014       | 24             | A    | 584             | 32  | 53  | 552   | 0    | 1,656  | 91  | 0    | 0    | 91   |             |
| 2/10/2014              | 2/10/2014      | 24             | A    | 1,040           | 49  | 77  | 991   | 0    | 1,571  | 74  | 0    | 0    | 74   |             |
| 2/13/2014              | 2/13/2014      | 24             | A    | 905             | 16  | 42  | 889   | 0    | 2,625  | 46  | 0    | 0    | 46   |             |
| 2/18/2014              | 2/18/2014      | 24             | A    | 920             | 18  | 43  | 902   | 0    | 2,389  | 47  | 0    | 0    | 47   |             |
| 3/3/2014               | 3/3/2014       | 24             | A    | 1,032           | 41  | 141 | 991   | 0    | 3,439  | 137 | 0    | 0    | 137  |             |
| 3/4/2014               | 3/4/2014       | 24             | A    | 1,056           | 44  | 133 | 1,012 | 0    | 3,023  | 126 | 0    | 0    | 126  |             |
| 3/23/2014              | 3/23/2014      | 24             | A    | 1,657           | 309 | 414 | 1,348 | 0    | 1,340  | 250 | 0    | 0    | 250  |             |
| 3/24/2014              | 3/24/2014      | 24             | A    | 1,647           | 325 | 425 | 1,322 | 0    | 1,308  | 258 | 0    | 0    | 258  |             |
| 3/31/2014              | 3/31/2014      | 24             | A    | 1,796           | 451 | 418 | 1,345 | 0    | 927    | 233 | 0    | 0    | 233  |             |
| 4/1/2014               | 4/1/2014       | 24             | A    | 1,782           | 451 | 431 | 1,331 | 0    | 956    | 242 | 0    | 0    | 242  |             |
| 4/2/2014               | 4/2/2014       | 24             | A    | 1,776           | 481 | 401 | 1,295 | 0    | 834    | 226 | 0    | 0    | 226  |             |
| Averages by Completion |                |                |      | 1,193           | 162 | 204 | 1,031 | 0    |        |     |      |      |      |             |
| CROW FEDERAL #23H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 2/2/2014               | 2/2/2014       | 24             | A    | 970             | 15  | 30  | 955   | 0    | 2,000  | 31  | 0    | 0    | 31   |             |
| 2/3/2014               | 2/3/2014       | 24             | A    | 874             | 12  | 19  | 862   | 0    | 1,583  | 22  | 0    | 0    | 22   |             |
| 2/4/2014               | 2/4/2014       | 24             | A    | 836             | 13  | 19  | 823   | 0    | 1,462  | 23  | 0    | 0    | 23   |             |
| 2/5/2014               | 2/5/2014       | 24             | A    | 815             | 14  | 20  | 801   | 0    | 1,429  | 25  | 0    | 0    | 25   |             |
| 2/6/2014               | 2/6/2014       | 24             | A    | 813             | 13  | 17  | 800   | 0    | 1,308  | 21  | 0    | 0    | 21   |             |
| 2/7/2014               | 2/7/2014       | 24             | A    | 863             | 67  | 124 | 796   | 0    | 1,851  | 144 | 0    | 0    | 144  |             |
| 2/14/2014              | 2/14/2014      | 24             | A    | 618             | 93  | 146 | 525   | 0    | 1,570  | 236 | 0    | 0    | 236  |             |
| 2/18/2014              | 2/18/2014      | 24             | A    | 619             | 89  | 142 | 530   | 0    | 1,596  | 229 | 0    | 0    | 229  |             |

\*\* All values are recorded using imperial units.

# Well Test History Report

Page 11 of 11  
4/17/2014 4:49:31 pm

Select By: Field

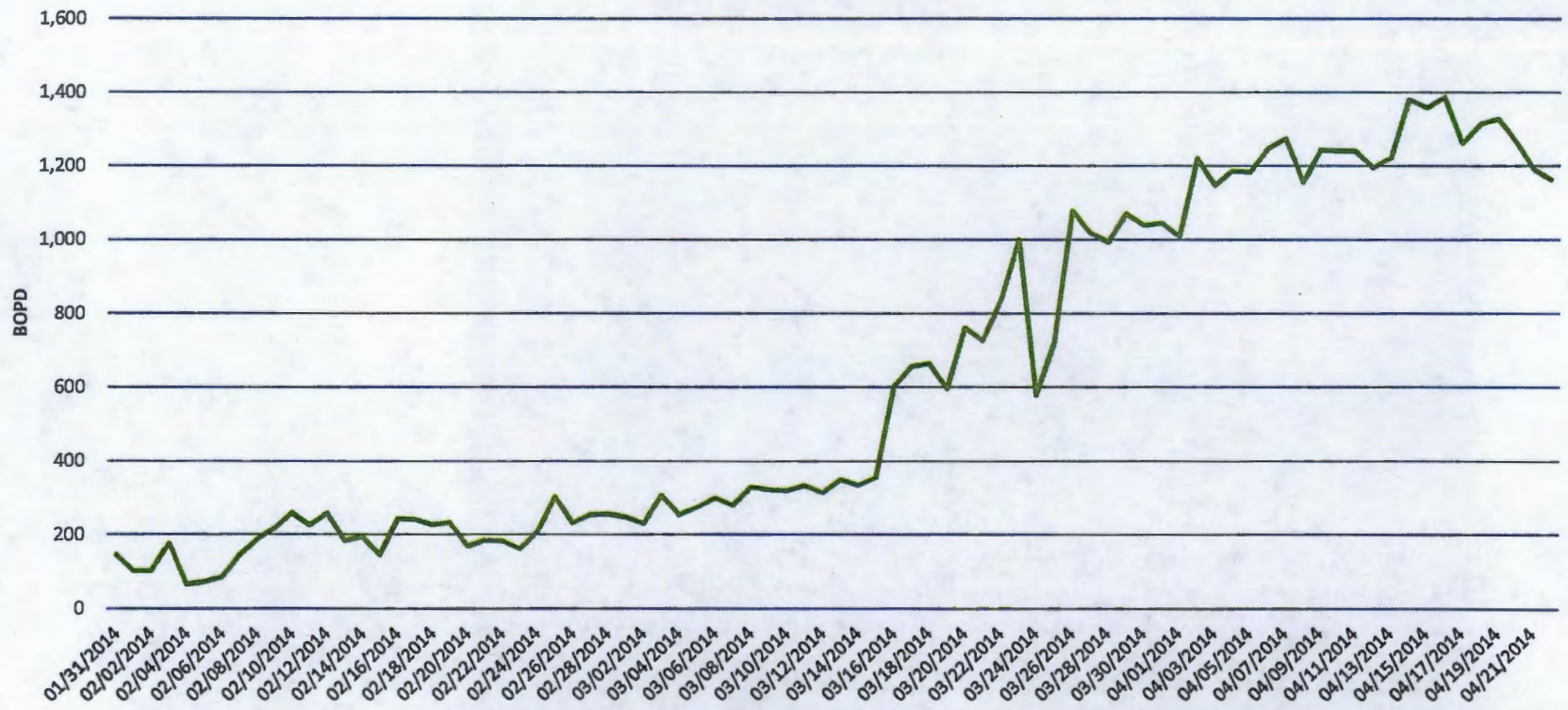
Display: All well tests between 10/01/2013 - 04/15/2014

| Test Date              | Effective Date | Measured Hours | Type | 24 Hour Volumes |     |     |       |      | Ratios |     |      |      |      | Fluid Level |
|------------------------|----------------|----------------|------|-----------------|-----|-----|-------|------|--------|-----|------|------|------|-------------|
|                        |                |                |      | Gr Liquid       | OIL | GAS | WAT   | LIFT | GOR    | GLR | IGOR | IGLR | TGLR |             |
| Field: CEDAR LAKE (BP) |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| CROW FEDERAL #23H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 2/21/2014              | 2/21/2014      | 24             | A    | 1,059           | 169 | 122 | 890   | 0    | 722    | 115 | 0    | 0    | 115  |             |
| 3/5/2014               | 3/5/2014       | 24             | A    | 1,051           | 141 | 163 | 910   | 0    | 1,156  | 155 | 0    | 0    | 155  |             |
| 3/6/2014               | 3/6/2014       | 24             | A    | 1,199           | 133 | 171 | 1,066 | 0    | 1,286  | 143 | 0    | 0    | 143  |             |
| 3/20/2014              | 3/20/2014      | 24             | A    | 1,692           | 401 | 628 | 1,291 | 0    | 1,566  | 371 | 0    | 0    | 371  |             |
| 3/21/2014              | 3/21/2014      | 24             | A    | 1,390           | 377 | 612 | 1,013 | 0    | 1,623  | 440 | 0    | 0    | 440  |             |
| 3/22/2014              | 3/22/2014      | 24             | A    | 1,677           | 466 | 715 | 1,211 | 0    | 1,534  | 426 | 0    | 0    | 426  |             |
| 4/4/2014               | 4/4/2014       | 24             | A    | 1,620           | 453 | 827 | 1,167 | 0    | 1,826  | 510 | 0    | 0    | 510  |             |
| 4/5/2014               | 4/5/2014       | 24             | A    | 1,530           | 520 | 812 | 1,010 | 0    | 1,562  | 531 | 0    | 0    | 531  |             |
| 4/6/2014               | 4/6/2014       | 24             | A    | 1,795           | 514 | 822 | 1,281 | 0    | 1,599  | 458 | 0    | 0    | 458  |             |
| Averages by Completion |                |                |      | 1,142           | 205 | 317 | 937   | 0    |        |     |      |      |      |             |
| CROW FEDERAL #24H      |                |                |      |                 |     |     |       |      |        |     |      |      |      |             |
| 2/4/2014               | 2/4/2014       | 24             | A    | 1,127           | 26  | 0   | 1,101 | 0    | 0      | 0   | 0    | 0    | 0    |             |
| 2/5/2014               | 2/5/2014       | 24             | A    | 740             | 16  | 22  | 724   | 0    | 1,375  | 30  | 0    | 0    | 30   |             |
| 2/6/2014               | 2/6/2014       | 24             | A    | 669             | 15  | 21  | 654   | 0    | 1,400  | 31  | 0    | 0    | 31   |             |
| 2/7/2014               | 2/7/2014       | 24             | A    | 670             | 5   | 14  | 665   | 0    | 2,800  | 21  | 0    | 0    | 21   |             |
| 2/9/2014               | 2/9/2014       | 24             | A    | 1,043           | 19  | 23  | 1,024 | 0    | 1,211  | 22  | 0    | 0    | 22   |             |
| 2/18/2014              | 2/18/2014      | 24             | A    | 1,039           | 20  | 24  | 1,019 | 0    | 1,200  | 23  | 0    | 0    | 23   |             |
| 3/15/2014              | 3/15/2014      | 24             | A    | 1,062           | 33  | 32  | 1,029 | 0    | 970    | 30  | 0    | 0    | 30   |             |
| 3/16/2014              | 3/16/2014      | 24             | A    | 1,690           | 206 | 159 | 1,484 | 0    | 772    | 94  | 0    | 0    | 94   |             |
| 3/17/2014              | 3/17/2014      | 24             | A    | 1,728           | 260 | 163 | 1,468 | 0    | 627    | 94  | 0    | 0    | 94   |             |
| 3/18/2014              | 3/18/2014      | 24             | A    | 1,725           | 254 | 159 | 1,471 | 0    | 626    | 92  | 0    | 0    | 92   |             |
| 3/27/2014              | 3/27/2014      | 24             | A    | 1,487           | 296 | 301 | 1,191 | 0    | 1,017  | 202 | 0    | 0    | 202  |             |
| 4/8/2014               | 4/8/2014       | 24             | A    | 1,492           | 228 | 200 | 1,264 | 0    | 877    | 134 | 0    | 0    | 134  |             |
| 4/9/2014               | 4/9/2014       | 24             | A    | 1,330           | 231 | 221 | 1,099 | 0    | 957    | 166 | 0    | 0    | 166  |             |
| 4/10/2014              | 4/10/2014      | 24             | A    | 1,506           | 286 | 198 | 1,220 | 0    | 692    | 131 | 0    | 0    | 131  |             |
| 4/11/2014              | 4/11/2014      | 24             | A    | 1,494           | 296 | 151 | 1,198 | 0    | 510    | 101 | 0    | 0    | 101  |             |
| 4/12/2014              | 4/12/2014      | 24             | A    | 1,479           | 303 | 145 | 1,176 | 0    | 479    | 98  | 0    | 0    | 98   |             |
| 4/13/2014              | 4/13/2014      | 24             | A    | 1,191           | 213 | 86  | 978   | 0    | 404    | 72  | 0    | 0    | 72   |             |
| 4/14/2014              | 4/14/2014      | 24             | A    | 1,464           | 333 | 191 | 1,131 | 0    | 574    | 130 | 0    | 0    | 130  |             |
| 4/15/2014              | 4/15/2014      | 24             | A    | 1,472           | 317 | 154 | 1,155 | 0    | 486    | 105 | 0    | 0    | 105  |             |
| Averages by Completion |                |                |      | 1,285           | 177 | 119 | 1,108 | 0    |        |     |      |      |      |             |

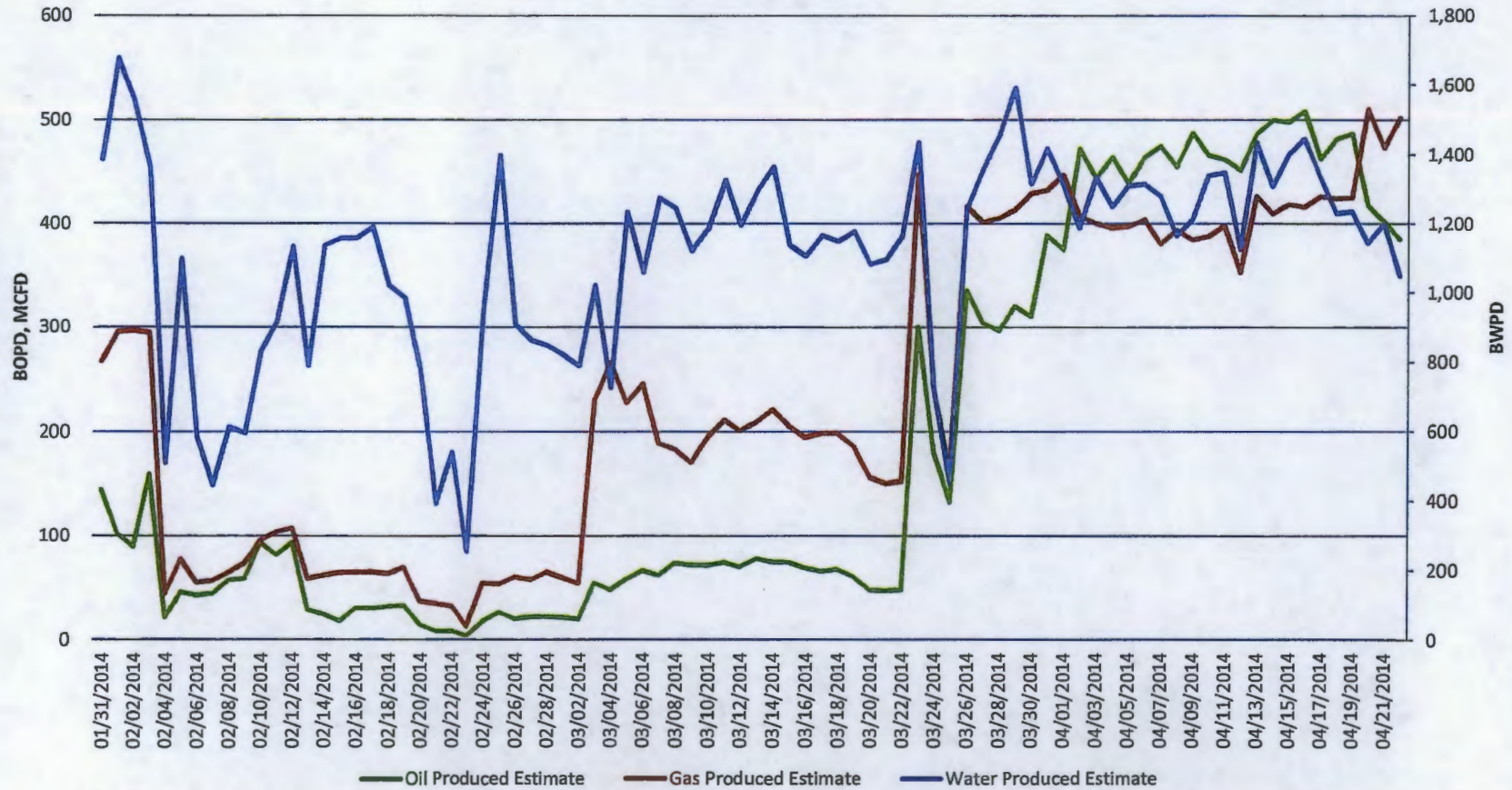
\*\* All values are recorded using imperial units.

# Pad 27W - Oil Production

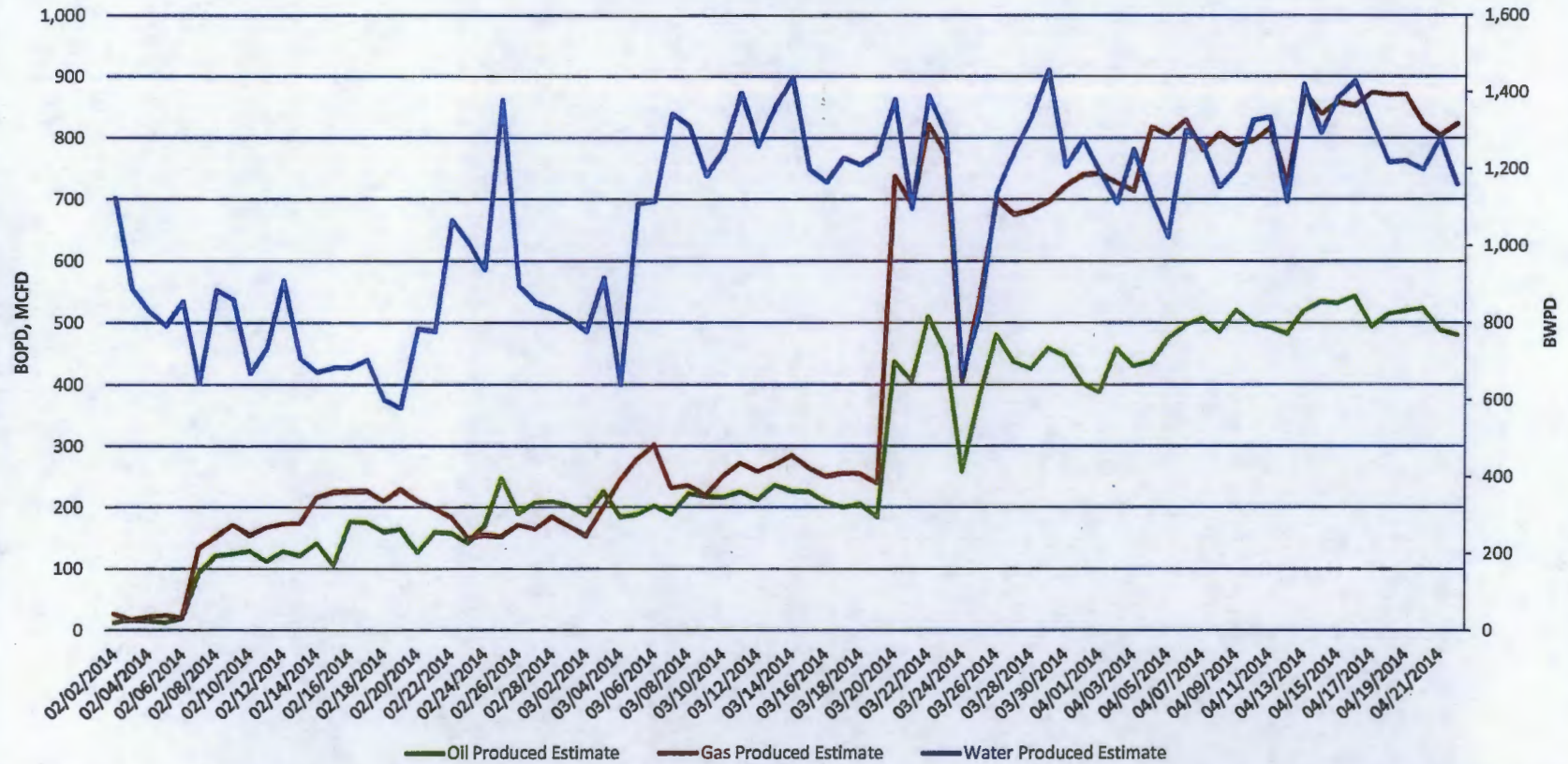
(Crow Fed #22H, #23H, #24H)



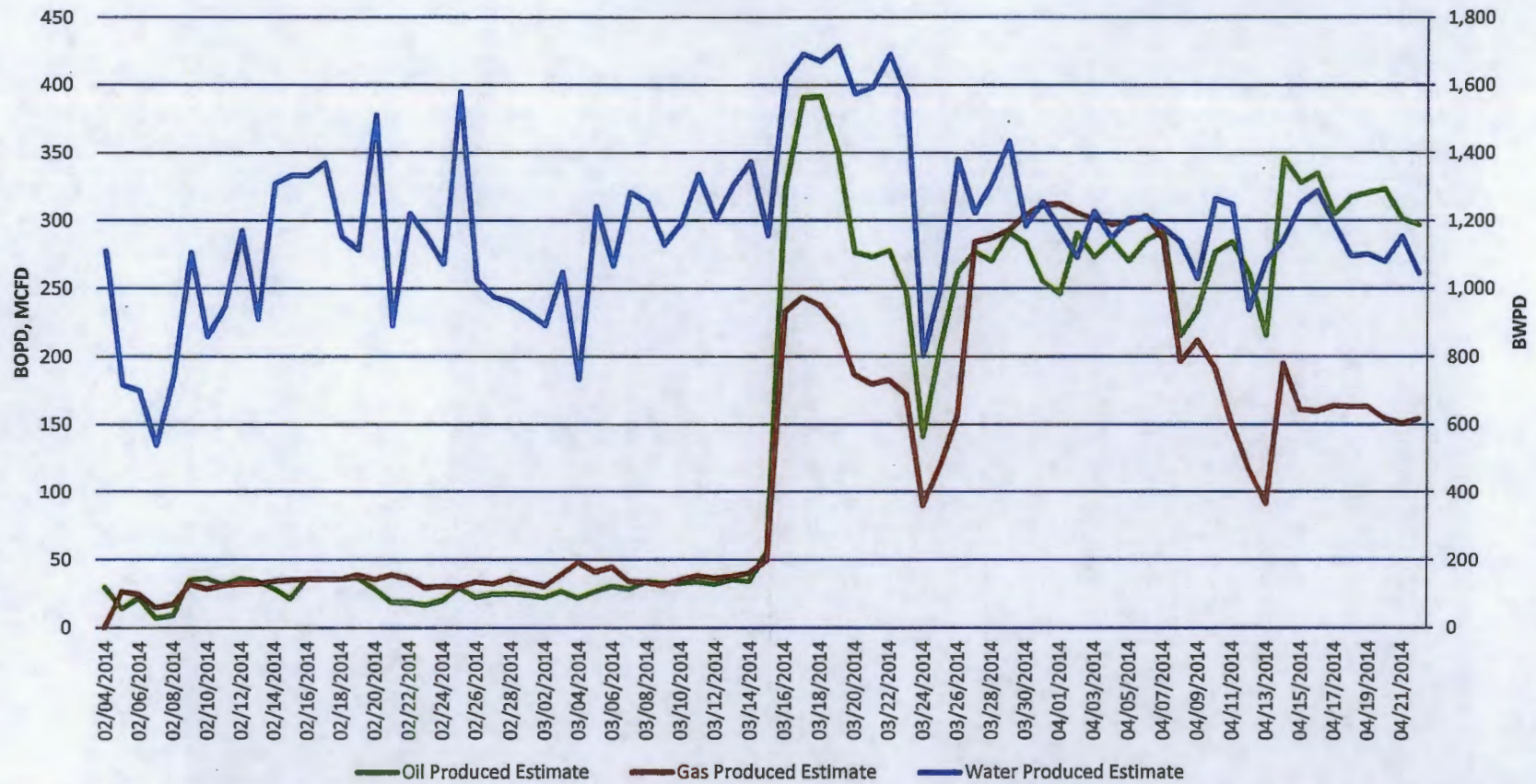
# Crow Fed #22H



# Crow Fed #23H



### Crow Fed #24H



## DISTRICT I

1625 N. FRENCH DR., HOBBBS, 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 and Natural Resources Department

## OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102

Revised JUNE 10, 2003

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## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

|                                          |                                                              |                                  |
|------------------------------------------|--------------------------------------------------------------|----------------------------------|
| API Number<br>30 015 34 126              | Pool Code<br><del>96663</del><br>26770                       | Pool Name<br>Fren; Glorieta-Yeso |
| Property Code<br><del>34866</del> 308711 | Property Name<br>CROW FEDERAL                                | Well Number<br>001               |
| OGRID No.<br>873                         | Operator Name<br>Apache <del>MARBOB ENERGY CORPORATION</del> | Elevation<br>3905'               |

## 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             | 9       | 17-S     | 31-E  |         | 1063          | NORTH            | 920           | EAST           | EDDY   |

## 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 |
|-----------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
|                       |                 |                    |           |         |               |                  |               |                |        |
| Dedicated Acres<br>40 | 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

|  |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>OPERATOR CERTIFICATION</b><br><br>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.<br><br><i>Bev Hatfield</i><br>Signature<br>Bev Hatfield<br>Printed Name<br>Sr Staff Engr Tech<br>Title<br>10-12-11<br>Date                                                                                                                                    |
|  | <b>SURVEYOR CERTIFICATION</b><br><br>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.<br><br>JANUARY 31, 2005<br>Date Surveyed<br><i>Samuel G. Edson</i> JR<br>Signature & Seal of Professional Surveyor<br>12841<br>05.11.0146<br>Certificate No. 12841 |
|  | <b>RECEIVED</b><br>OCT 13 2011<br>NMOCD ARTESIA                                                                                                                                                                                                                                                                                                                                                                       |
|  | <b>GEODETIC COORDINATES</b><br>NAD 27 NME<br><br>Y=674461.1 N<br>X=642718.4 E<br><br>LAT.=32°51'11.93" N<br>LONG.=103°52'06.92" W                                                                                                                                                                                                                                                                                     |

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

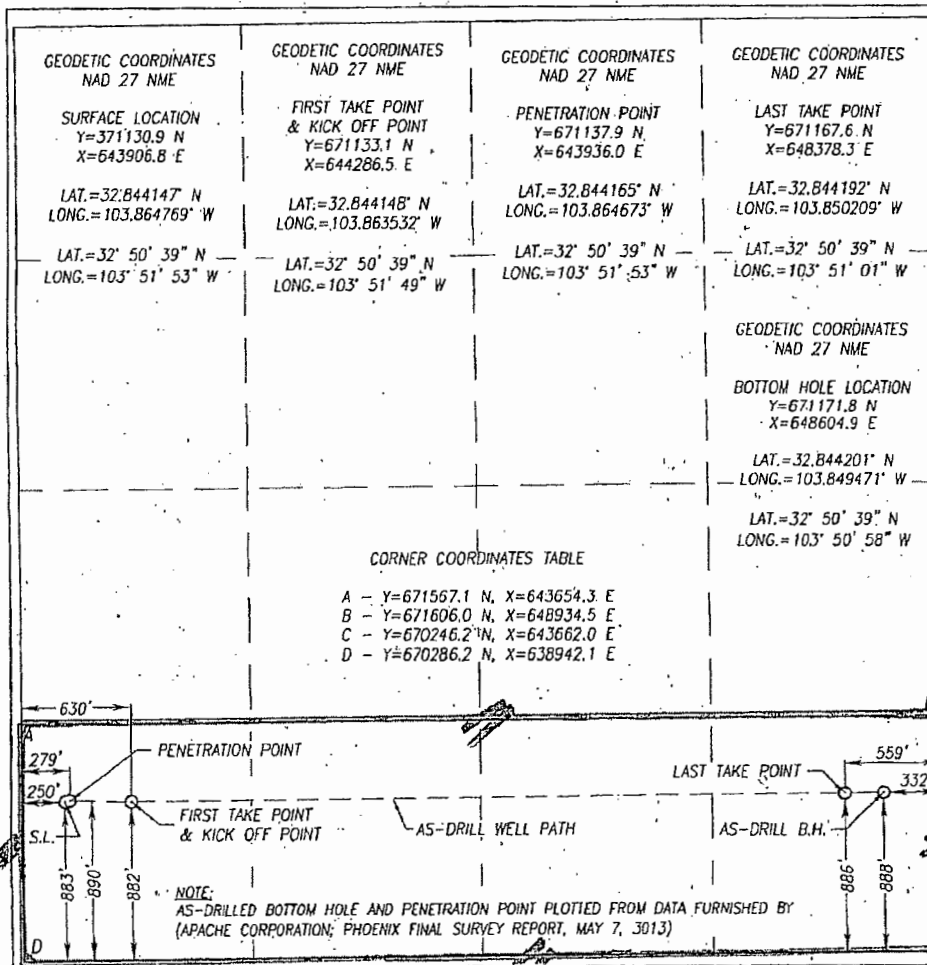
State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| API Number<br><b>30-15-40574</b>                        |                      | Pool Code<br><b>26770</b>                  |                      | Pool Name<br><b>FREN; GLORIETA-YESO</b> |                             |                                  |                             |                               |                       |
|---------------------------------------------------------|----------------------|--------------------------------------------|----------------------|-----------------------------------------|-----------------------------|----------------------------------|-----------------------------|-------------------------------|-----------------------|
| Property Code<br><b>308711</b>                          |                      | Property Name<br><b>CROW FEDERAL</b>       |                      |                                         |                             |                                  |                             | Well Number<br><b>10H</b>     |                       |
| GRID No.<br><b>873</b>                                  |                      | Operator Name<br><b>APACHE CORPORATION</b> |                      |                                         |                             |                                  |                             | Elevation<br><b>3884'</b>     |                       |
| Surface Location                                        |                      |                                            |                      |                                         |                             |                                  |                             |                               |                       |
| UL or lot No.<br><b>M</b>                               | Section<br><b>10</b> | Township<br><b>17-S</b>                    | Range<br><b>31-E</b> | Lot Idn<br><b></b>                      | Feet from the<br><b>883</b> | North/South line<br><b>SOUTH</b> | Feet from the<br><b>250</b> | East/West line<br><b>WEST</b> | County<br><b>EDDY</b> |
| As-Drill Bottom Hole Location If Different From Surface |                      |                                            |                      |                                         |                             |                                  |                             |                               |                       |
| UL or lot No.<br><b>P</b>                               | Section<br><b>10</b> | Township<br><b>17-S</b>                    | Range<br><b>31-E</b> | Lot Idn<br><b></b>                      | Feet from the<br><b>888</b> | North/South line<br><b>SOUTH</b> | Feet from the<br><b>332</b> | East/West line<br><b>EAST</b> | County<br><b>EDDY</b> |
| Penetration Point Location                              |                      |                                            |                      |                                         |                             |                                  |                             |                               |                       |
| UL or lot No.<br><b>M</b>                               | Section<br><b>10</b> | Township<br><b>17-S</b>                    | Range<br><b>31-E</b> | Lot Idn<br><b></b>                      | Feet from the<br><b>890</b> | North/South line<br><b>SOUTH</b> | Feet from the<br><b>279</b> | East/West line<br><b>WEST</b> | County<br><b>EDDY</b> |
| Dedicated Acres<br><b>160</b>                           |                      | Joint or Infill<br><b></b>                 |                      | Consolidation Code<br><b></b>           |                             | Order No.<br><b></b>             |                             |                               |                       |



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature *[Signature]* Date **02/03/2014**  
Printed Name **Fatima Vasquez**  
E-mail Address **Fatima.Vasquez@apachecorp.com**

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MARCH 27, 2012

Date of Survey  
Signature and Seal of Professional Surveyor:

*[Signature]* **12/19/2013**  
Certificate Number **3239**  
BKL JWSC W.O.: 13.13.1414

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

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Revised August 1, 2011  
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                           |                                     |                                  |
|---------------------------|-------------------------------------|----------------------------------|
| API Number<br>30-15-40575 | Pool Code<br>26770                  | Pool Name<br>FREN; GLORIETA-YESO |
| Property Code<br>308711   | Property Name<br>CROW FEDERAL       | Well Number<br>11H               |
| OGRID No.<br>873          | Operator Name<br>APACHE CORPORATION | Elevation<br>3884'               |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 10      | 17-S     | 31-E  |         | 948           | SOUTH            | 250           | WEST           | EDDY   |

As-Drilled 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 |
|------------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| P                      | 10              | 17-S               | 31-E      |         | 946           | SOUTH            | 331           | EAST           | EDDY   |
| Dedicated Acres<br>160 | 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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p><b>CORNER COORDINATES TABLE</b></p> <p>A - Y=671567.1 N, X=643654.3 E</p> <p>B - Y=671606.0 N, X=648934.5 E</p> <p>C - Y=670246.2 N, X=643662.0 E</p> <p>D - Y=670286.2 N, X=648942.1 E</p>                                                                                                                                                                                                                                                                                                                                       |  | <p><b>GEODETTIC COORDINATES</b><br/>NAD 27 NME</p> <p><b>SURFACE LOCATION</b><br/>Y=671195.9 N<br/>X=643906.4 E</p> <p>LAT.=32.844325° N<br/>LONG.=103.864769° W</p> |  | <p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <i>[Signature]</i> Date: 11/20/2013</p> <p>Printed Name: <u>Fatima Vasquez</u></p> <p>E-mail Address: <u>Fatima.Vasquez@apachecorp.com</u></p> |  |
| <p><b>DETAIL</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | <p>LAT.=32° 50' 40" N<br/>LONG.=103° 51' 53" W</p> <p><b>AS-DRILL BOTTOM HOLE LOCATION</b><br/>NAD 27 NME<br/>Y= 671229.5 N<br/>X=648605.5 E</p>                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| <p><b>KICK OFF POINT</b><br/>NAD 27 NME<br/>Y= 671200.5 N<br/>X=643964.4 E</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p><b>FIRST TAKE POINT</b><br/>NAD 27 NME<br/>Y= 671212.9 N<br/>X=644407.6 E</p>                                                                                     |  | <p><b>LAST TAKE POINT</b><br/>NAD 27 NME<br/>Y= 671229.6 N<br/>X=648505.5 E</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| <p>NOTE: AS-DRILLED WELL PATH PLOTTED FROM PHOENIX TECHNOLOGY SERVICES SURVEY REPORT DATED JUNE 25, 2013.</p>                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| <p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey: JANUARY 19, 2012</p> <p>Signature: <i>[Signature]</i> Professional Surveyor: <i>[Signature]</i></p> <p>REG. NO. 3239</p> <p>Certificate Number: Gary G. Eidson 12641<br/>Ronald J. Eidson 3239</p> <p>ACK REL. W.O.: 12110635 JWSC W.O.: 13.13.1252</p> |  |                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II  
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Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 Rio Hondo 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, New Mexico 87505

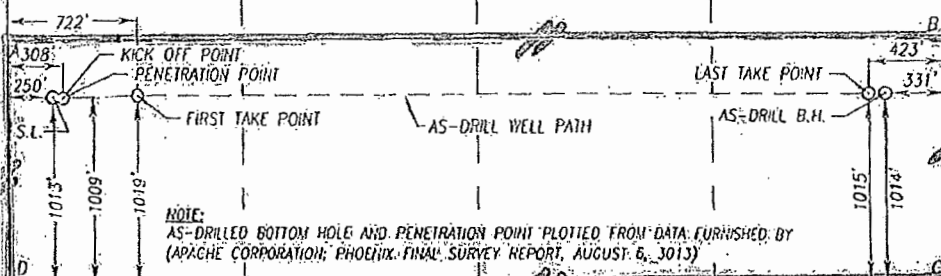
Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

DAMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| APN Number<br><b>30-15-40576</b>                        |                      | Pool Code<br><b>26770</b>                  |                      | Pool Name<br><b>FREN, GLORIETA-YESO</b> |               |                  |               |                           |                       |
|---------------------------------------------------------|----------------------|--------------------------------------------|----------------------|-----------------------------------------|---------------|------------------|---------------|---------------------------|-----------------------|
| Property Code<br><b>308711</b>                          |                      | Property Name<br><b>CROW FEDERAL</b>       |                      |                                         |               |                  |               | Well Number<br><b>12H</b> |                       |
| GRID No.<br><b>873</b>                                  |                      | Operator Name<br><b>APACHE CORPORATION</b> |                      |                                         |               |                  |               | Elevation<br><b>3885'</b> |                       |
| Surface Location                                        |                      |                                            |                      |                                         |               |                  |               |                           |                       |
| UL or lot No.<br><b>M</b>                               | Section<br><b>10</b> | Township<br><b>17-S</b>                    | Range<br><b>31-E</b> | Lot Idn                                 | Feet from the | North/South line | Feet from the | East/West line            | County<br><b>EDDY</b> |
|                                                         |                      |                                            |                      |                                         | <b>1013</b>   | <b>SOUTH</b>     | <b>250</b>    | <b>WEST</b>               |                       |
| As-Drill Bottom Hole Location If Different From Surface |                      |                                            |                      |                                         |               |                  |               |                           |                       |
| UL or lot No.<br><b>P</b>                               | Section<br><b>10</b> | Township<br><b>17-S</b>                    | Range<br><b>31-E</b> | Lot Idn                                 | Feet from the | North/South line | Feet from the | East/West line            | County<br><b>EDDY</b> |
|                                                         |                      |                                            |                      |                                         | <b>1014</b>   | <b>SOUTH</b>     | <b>331</b>    | <b>EAST</b>               |                       |
| Penetration Point Location                              |                      |                                            |                      |                                         |               |                  |               |                           |                       |
| UL or lot No.<br><b>M</b>                               | Section<br><b>10</b> | Township<br><b>17-S</b>                    | Range<br><b>31-E</b> | Lot Idn                                 | Feet from the | North/South line | Feet from the | East/West line            | County<br><b>EDDY</b> |
|                                                         |                      |                                            |                      |                                         | <b>1009</b>   | <b>SOUTH</b>     | <b>308</b>    | <b>WEST</b>               |                       |
| Dedicated Acres<br><b>160</b>                           |                      | Joint or Infill                            |                      | Consolidation Code                      |               | Order No.        |               |                           |                       |

|                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                          |                                                                                                                                                                                                           |                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>GEODETIC COORDINATES<br/>NAD 27 NME</p> <p>SURFACE LOCATION<br/>Y=671260.9 N<br/>X=643905.0 E</p> <p>LAT.=32.844504° N<br/>LONG.=103.864769° W</p> <p>LAT.=32° 50' 40" N<br/>LONG.=103° 51' 53" W</p> <p>GEODETIC COORDINATES<br/>NAD 27 NME</p> <p>KICK OFF POINT<br/>Y=671258.9 N<br/>X=643963.0 E</p> <p>LAT.=32.844498° N<br/>LONG.=103.864584° W</p> <p>LAT.=32° 50' 40" N<br/>LONG.=103° 51' 53" W</p> | <p>GEODETIC COORDINATES<br/>NAD 27 NME</p> <p>FIRST TAKE POINT<br/>Y=671270.2 N<br/>X=644377.1 E</p> <p>LAT.=32.844524° N<br/>LONG.=103.863234° W</p> <p>LAT.=32° 50' 40" N<br/>LONG.=103° 51' 48" W</p> | <p>GEODETIC COORDINATES<br/>NAD 27 NME</p> <p>PENETRATION POINT<br/>Y=671257.3 N<br/>X=643963.7 E</p> <p>LAT.=32.844493° N<br/>LONG.=103.864581° W</p> <p>LAT.=32° 50' 40" N<br/>LONG.=103° 51' 52" W</p> | <p>GEODETIC COORDINATES<br/>NAD 27 NME</p> <p>LAST TAKE POINT<br/>Y=671297.6 N<br/>X=648513.1 E</p> <p>LAT.=32.844548° N<br/>LONG.=103.849768° W</p> <p>LAT.=32° 50' 40" N<br/>LONG.=103° 50' 59" W</p> | <p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature <u>Fatima Vasquez</u> Date <u>12/18/2013</u></p> <p>Printed Name <u>Fatima Vasquez</u></p> <p>Email Address <u>Fatima.Vasquez@apachecorp.com</u></p> |
| <p><b>CORNER COORDINATES TABLE</b></p> <p>A - Y=671532.5 N, X=638373.2 E<br/>B - Y=671576.8 N, X=644974.3 E<br/>C - Y=670256.5 N, X=644981.6 E<br/>D - Y=670212.4 N, X=638380.7 E</p>                                                                                                                                                                                                                           |                                                                                                                                                                                                          |                                                                                                                                                                                                           |                                                                                                                                                                                                         | <p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>MARCH 27, 2012</p> <p>Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor:<br/><u>Ronald J. Eidson</u> 12/17/2013</p> <p>Certificate Number: Gary G. Eidson 12641<br/>Ronald J. Eidson 3239</p> <p>BK1 TWSC W.O. 13.13.1411</p>                                                                                                                                                                                              |



DISTRICT I  
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DISTRICT II  
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DISTRICT IV  
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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, New Mexico 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<br>30-15-40577 | Pool Code<br>26770                  | Pool Name<br>FREN; GLORIETA-YESO |
| Property Code<br>308711   | Property Name<br>CROW FEDERAL       | Well Number<br>13H               |
| OGRID No.<br>873          | Operator Name<br>APACHE CORPORATION | Elevation<br>3884'               |

| Surface Location |         |          |       |         |               |                  |               |                |        |
|------------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No.    | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| M                | 10      | 17-S     | 31-E  |         | 858           | SOUTH            | 250           | WEST           | EDDY   |

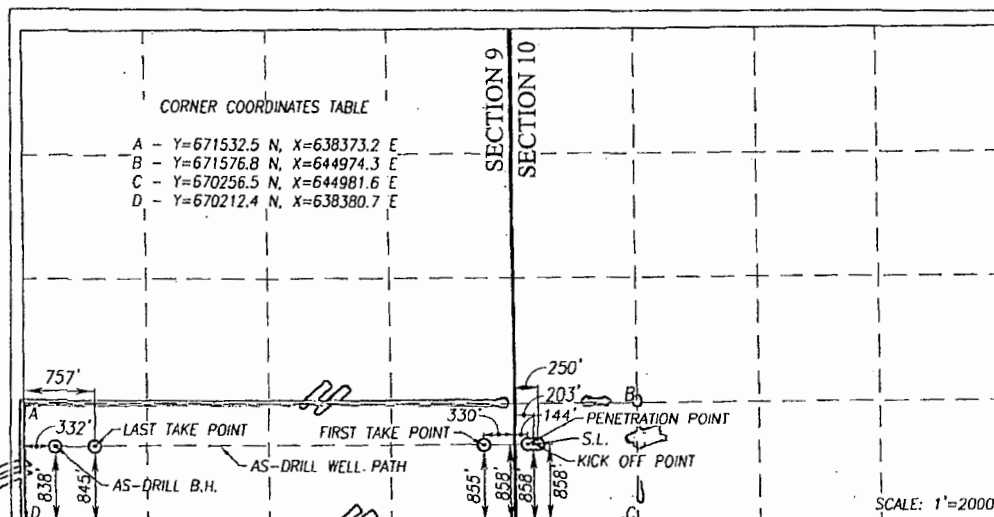
As-Drill Bottom Hole Location If Different From Surface

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 9       | 17-S     | 31-E  |         | 838           | SOUTH            | 332           | WEST           | EDDY   |

Penetration Point Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 10      | 17-S     | 31-E  |         | 858           | SOUTH            | 144           | WEST           | EDDY   |

|                        |                 |                    |           |
|------------------------|-----------------|--------------------|-----------|
| Dedicated Acres<br>200 | Joint or Infill | Consolidation Code | Order No. |
|------------------------|-----------------|--------------------|-----------|



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *[Signature]* Date: 02/25/2014

Printed Name: Fatima Vasquez

E-mail Address: Fatima.Vasquez@apachecorp.com

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MARCH 27, 2012

Date of Survey: Professional Surveyor:

*[Signature]*  
Certificate Number: 3239  
Date: 12/19/2013  
Professional Surveyor: Ronald J. Eidson  
BKL JWSC W.O.: 13.13.1413

NOTE:  
AS-DRILLED BOTTOM HOLE AND PENETRATION POINT PLOTTED FROM DATA FURNISHED BY  
(APACHE CORPORATION; PHOENIX FINAL SURVEY REPORT, APRIL 16, 2013)

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



Form C-102  
Revised August 1, 2011  
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

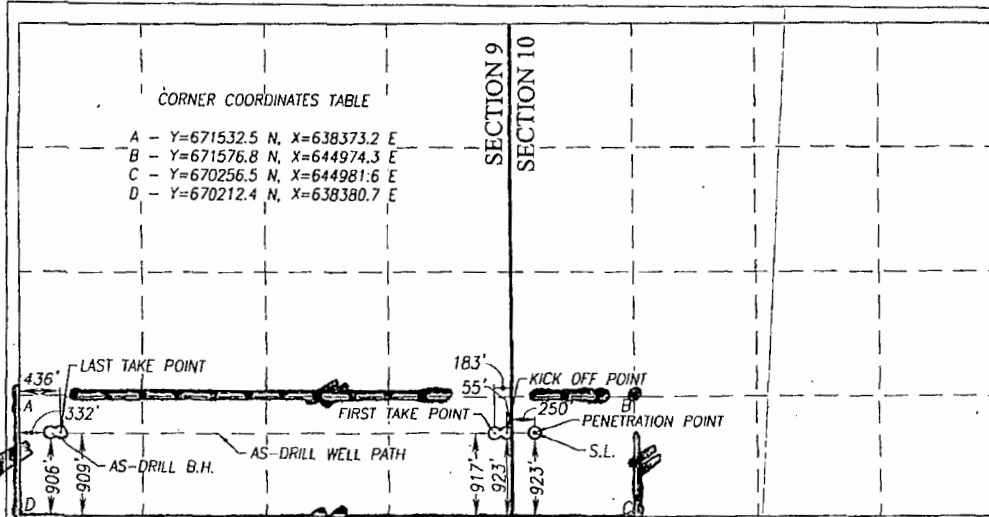
|                                  |  |                                            |  |                                         |                           |
|----------------------------------|--|--------------------------------------------|--|-----------------------------------------|---------------------------|
| API Number<br><b>30-15-40578</b> |  | Pool Code<br><b>26770</b>                  |  | Pool Name<br><b>FREN; GLORIETA-YESO</b> |                           |
| Property Code<br><b>308711</b>   |  | Property Name<br><b>CROW FEDERAL</b>       |  |                                         | Well Number<br><b>14H</b> |
| OGRID No.<br><b>873</b>          |  | Operator Name<br><b>APACHE CORPORATION</b> |  |                                         | Elevation<br><b>3884'</b> |

| Surface Location          |                      |                         |                      |         |                             |                                  |                             |                               |                       |
|---------------------------|----------------------|-------------------------|----------------------|---------|-----------------------------|----------------------------------|-----------------------------|-------------------------------|-----------------------|
| UL or lot No.<br><b>M</b> | Section<br><b>10</b> | Township<br><b>17-S</b> | Range<br><b>31-E</b> | Lot Idn | Feet from the<br><b>923</b> | North/South line<br><b>SOUTH</b> | Feet from the<br><b>250</b> | East/West line<br><b>WEST</b> | County<br><b>EDDY</b> |

| As-Drill Bottom Hole Location If Different From Surface |                     |                         |                      |         |                             |                                  |                             |                               |                       |
|---------------------------------------------------------|---------------------|-------------------------|----------------------|---------|-----------------------------|----------------------------------|-----------------------------|-------------------------------|-----------------------|
| UL or lot No.<br><b>M</b>                               | Section<br><b>9</b> | Township<br><b>17-S</b> | Range<br><b>31-E</b> | Lot Idn | Feet from the<br><b>906</b> | North/South line<br><b>SOUTH</b> | Feet from the<br><b>332</b> | East/West line<br><b>WEST</b> | County<br><b>EDDY</b> |

| Penetration Point Location |                      |                         |                      |         |                             |                                  |                             |                               |                       |
|----------------------------|----------------------|-------------------------|----------------------|---------|-----------------------------|----------------------------------|-----------------------------|-------------------------------|-----------------------|
| UL or lot No.<br><b>M</b>  | Section<br><b>10</b> | Township<br><b>17-S</b> | Range<br><b>31-E</b> | Lot Idn | Feet from the<br><b>925</b> | North/South line<br><b>SOUTH</b> | Feet from the<br><b>247</b> | East/West line<br><b>WEST</b> | County<br><b>EDDY</b> |

|                               |                 |                    |           |
|-------------------------------|-----------------|--------------------|-----------|
| Dedicated Acres<br><b>200</b> | Joint or Infill | Consolidation Code | Order No. |
|-------------------------------|-----------------|--------------------|-----------|



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature *[Signature]* Date **02/19/2014**  
Printed Name **Fatima Vasquez**  
E-mail Address **Fatima.Vasquez@apachecorp.com**

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

**MARCH 27, 2012**

Date of Survey  
Signature & Seal of Professional Surveyor:

**RONALD J. EIDSON**  
NEW MEXICO  
3239  
Certificate Number **3239** Date **02/19/2013**  
BKL JWSC W.O.: 13.13.1412

NOTE:  
AS-DRILLED BOTTOM HOLE AND PENETRATION POINT PLOTTED FROM DATA FURNISHED BY  
(APACHE CORPORATION; PHOENIX FINAL SURVEY REPORT, JUNE 7, 2013)

KICK OFF POINT  
Y=671168.9 N  
X=643601.2 E  
  
LAT.=32.844255° N  
LONG.=103.865763° W  
  
LAT.=32° 50' 39" N  
LONG.=103° 51' 57" W

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 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<br>30-15-40579 | Pool Code<br>26770                  | Pool Name<br>FREN; GLORIETA-YESO |
| Property Code<br>308711   | Property Name<br>CROW FEDERAL       | Well Number<br>15H               |
| OGRID No.<br>873          | Operator Name<br>APACHE CORPORATION | Elevation<br>3885'               |

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 10      | 17-S     | 31-E  |         | 988           | SOUTH            | 250           | WEST           | EDDY   |

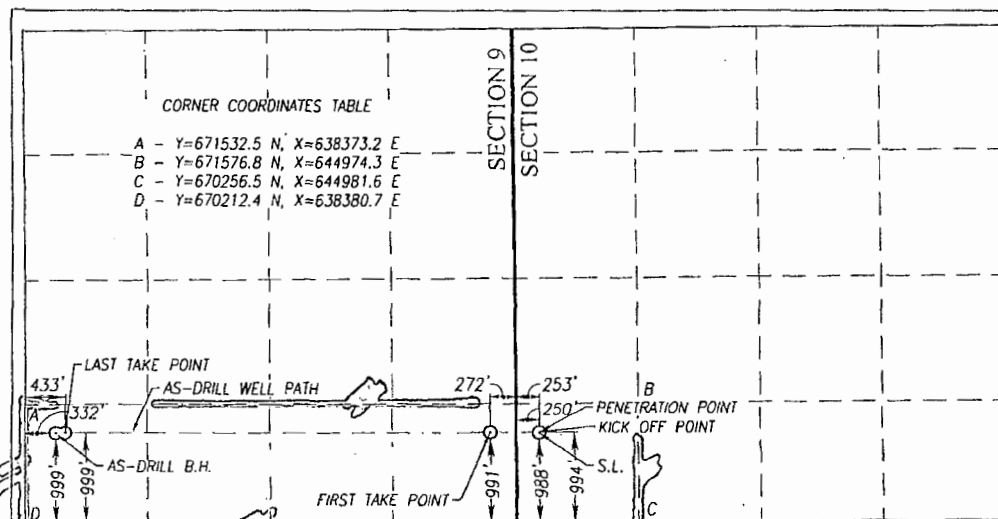
As-Drill Bottom Hole Location If Different From Surface

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 9       | 17-S     | 31-E  |         | 999           | SOUTH            | 332           | WEST           | EDDY   |

Penetration Point Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 10      | 17-S     | 31-E  |         | 994           | SOUTH            | 253           | WEST           | EDDY   |

|                        |                 |                    |           |
|------------------------|-----------------|--------------------|-----------|
| Dedicated Acres<br>200 | Joint or Infill | Consolidation Code | Order No. |
|------------------------|-----------------|--------------------|-----------|



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Fatima Vasquez* Date: 01/14/2014

Printed Name: Fatima Vasquez  
E-mail Address: Fatima.Vasquez@apachecorp.com

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MARCH 27, 2012

Date of Survey  
Signature & Seal of Professional Surveyor:

RONALD J. EIDSON  
NEW MEXICO  
3239  
Certificate Number: Gary G. Eidson 12641  
Ronald J. Eidson 3239  
BKL  
SWSC W.O.: 13.13.1410

NOTE:

AS-DRILLED BOTTOM HOLE AND PENETRATION POINT PLOTTED FROM DATA FURNISHED BY (APACHE CORPORATION; PHOENIX FINAL SURVEY REPORT, JULY 16, 2013)

KICK OFF POINT  
Y=371230.8 N  
X=643906.7 E  
LAT.=32.844421° N  
LONG.=103.864767° W  
LAT.=32° 50' 40" N  
LONG.=103° 51' 53" W

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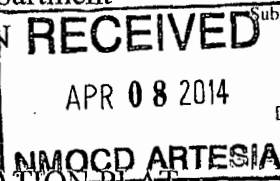
DISTRICT II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 Rio Brizos 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, New Mexico 87505



Form C-102  
Revised August 1, 2011  
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                           |                                     |                                  |
|---------------------------|-------------------------------------|----------------------------------|
| API Number<br>30-15-40990 | Pool Code<br>26770                  | Pool Name<br>FREN; GLORIETA-YESO |
| Property Code<br>308711   | Property Name<br>CROW FEDERAL       | Well Number<br>16H               |
| OGRID No.<br>873          | Operator Name<br>APACHE CORPORATION | Elevation<br>3838'               |

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| L             | 9       | 17-S     | 31-E  |         | 1745          | SOUTH            | 110           | WEST           | EDDY   |

As-Drilled 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| I             | 9       | 17-S     | 31-E  |         | 1740.9        | SOUTH            | 331.2         | EAST           | EDDY   |

Penetration Point Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| L             | 9       | 17-S     | 31-E  |         | 1751          | SOUTH            | 230.5         | WEST           | EDDY   |

|                        |                 |                    |           |
|------------------------|-----------------|--------------------|-----------|
| Dedicated Acres<br>160 | 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

|                                                                                                                                                                                                 |                                                                                                                                                                          |                                                                                                                                                                         |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GEODETIC COORDINATES</b><br>NAD 27 NME<br>SURFACE LOCATION<br>Y=671957.6 N<br>X=638480.8 E<br><br>LAT.=32.846484° N<br>LONG.=103.882424° W<br><br>LAT.=32° 50' 47" N<br>LONG.=103° 52' 57" W | <b>KICK OFF POINT</b><br>NAD 27 NME<br>Y=671958.6 N<br>X=638484.9 E<br><br>LAT.=32.846487° N<br>LONG.=103.882410° W<br><br>LAT.=32° 50' 47" N<br>LONG.=103° 52' 57" W    | <b>FIRST TAKE POINT</b><br>NAD 27 NME<br>Y=671959.5 N<br>X=638915.6 E<br><br>LAT.=32.846484° N<br>LONG.=103.881008° W<br><br>LAT.=32° 50' 47" N<br>LONG.=103° 52' 52" W | <b>AS-DRILLED BOTTOM HOLE LOCATION</b><br>NAD 27 NME<br>Y=671984.5 N<br>X=643320.7 E<br><br>LAT.=32.846500° N<br>LONG.=103.866665° W<br><br>LAT.=32° 50' 47" N<br>LONG.=103° 52' 00" W | <b>OPERATOR CERTIFICATION</b><br>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owes 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.<br><br>Signature _____ Date 04/04/2014<br>Printed Name <b>Fatima Vasquez</b><br>E-mail Address <b>Fatima.Vasquez@apachecorp.com</b> |
|                                                                                                                                                                                                 | <b>PENETRATION POINT</b><br>NAD 27 NME<br>Y=671964.4 N<br>X=638601.2 E<br><br>LAT.=32.846501° N<br>LONG.=103.882032° W<br><br>LAT.=32° 50' 47" N<br>LONG.=103° 52' 55" W | <b>LAST TAKE POINT</b><br>NAD 27 NME<br>Y=671982.0 N<br>X=643217.7 E<br><br>LAT.=32.846494° N<br>LONG.=103.867000° W<br><br>LAT.=32° 50' 47" N<br>LONG.=103° 52' 01" W  |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>PROJECT AREA</b><br>PRODUCING AREA<br>GRID AZ.=89°40'55"<br>HORIZ. DIST.=4841.1'<br><br>AS-DRILLED WELL PATH<br>AS-DRILLED B.H.                                                              |                                                                                                                                                                          |                                                                                                                                                                         |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>DETAIL</b><br>3843.5' 3845.2'<br>600'<br>3823.4' 3851.3'<br>600'                                                                                                                             |                                                                                                                                                                          |                                                                                                                                                                         |                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

230.5'  
 114.2'  
 K.O.P.  
 110'  
 S.L.

SEE DETAIL FOR S.L.

545'  
 330'  
 F.T.P.

330'  
 330'  
 I.T.P.

330'  
 330'  
 434.2'  
 331.2'

1745'  
 1746'  
 1751'  
 1744.1'  
 1739.1'  
 1740.9'

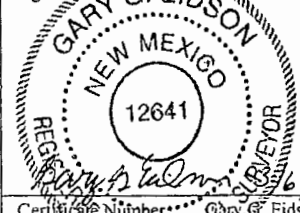
NOTE: AS-DRILLED BOTTOM HOLE DATA PLOTTED FROM PHOENIX TECHNOLOGY SERVICES SURVEY REPORT ON 08/21/13

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MAY 18, 2012

Date of Survey  
Signature and Seal of Professional Surveyor:



Certificate Number 12641  
Professional Surveyor Ronald J. Eidson 3239  
ACK REL. W.O. 14.13.0150

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OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate District Office

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SEP 16 2012 AMENDED REPORT

NMOCD ARTESIA

*As detailed*

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                   |                                            |                           |
|-----------------------------------|--------------------------------------------|---------------------------|
| API Number<br><b>30-015-40991</b> | Pool Code<br><b>96831-26700</b>            | Pool Name<br><b>Frem</b>  |
| Property Code<br><b>368911</b>    | Property Name<br><b>CROW FEDERAL</b>       | Well Number<br><b>17H</b> |
| OGRID No.<br><b>893</b>           | Operator Name<br><b>APACHE CORPORATION</b> | Elevation<br><b>3837'</b> |

Surface Location

| UL or lot No. | Section  | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>L</b>      | <b>9</b> | <b>17-S</b> | <b>31-E</b> |         | <b>1775</b>   | <b>SOUTH</b>     | <b>110</b>    | <b>WEST</b>    | <b>EDDY</b> |

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      |
|---------------|----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>I</b>      | <b>9</b> | <b>17-S</b> | <b>31-E</b> |         | <b>1775</b>   | <b>SOUTH</b>     | <b>330</b>    | <b>EAST</b>    | <b>EDDY</b> |

|                                |                 |                    |           |
|--------------------------------|-----------------|--------------------|-----------|
| Dedicated Acres<br><b>16.0</b> | Joint of 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

|                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>CORNER COORDINATES TABLE</p> <p>A) Y=672852.6' N, X=638365.7' E</p> <p>B) Y=672888.0' N, X=643646.5' E</p> <p>C) Y=671532.5' N, X=638373.2' E</p> <p>D) Y=671567.1' N, X=643654.3' E</p> | <p>GEODETIC COORDINATES<br/>NAD 27 NME</p> <p>SURFACE LOCATION<br/>Y=671987.6' N<br/>X=638480.6' E</p> <p>LAT.=32° 46' 56.6" N<br/>LONG.=103° 88' 24.2" W</p> <p>LAT.=32° 50' 48" N<br/>LONG.=103° 52' 57" W</p> <p>BOTTOM HOLE LOCATION<br/>Y=672018.6' N<br/>X=643321.7' E</p> | <p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order, heretofore entered by the division.</p> <p><i>Sorina L. Flores</i> 8/15/12<br/>Signature Date</p> <p><i>Sorina L. Flores</i><br/>Printed Name</p> <p><i>Sorina.L.Flores@apachecorp.com</i><br/>E-mail Address</p> |
| <p>DETAIL</p> <p>3844.7' 3845.3'</p> <p>3829.1' 3855.0'</p> <p>GRID AZ.=89° 37' 58"</p> <p>HORIZ. DIST.=4842.4'</p> <p>110' SEE DETAIL</p> <p>1775' 1775'</p>                               |                                                                                                                                                                                                                                                                                  | <p>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 and correct to the best of my belief.</p> <p>MAY 18, 2012<br/>Date of Survey</p> <p><i>Ronald J. Eidson</i><br/>Signature &amp; Seal of Professional Surveyor</p> <p>RONALD J. EIDSON<br/>NEW MEXICO<br/>3239</p> <p><i>Ronald J. Eidson</i> 8/13/2012<br/>Certificate Number Gap Code: 12641<br/>Ronald J. Eidson 3239</p> <p>AP PROFESSIONAL LSC#W.O. 12110478</p>                                                                                                                               |

**DISTRICT I**  
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Energy, Minerals & Natural Resources Department  
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NOV 25 2013  
MCOCD ARTESIA  
AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                   |                                            |                                                       |
|-----------------------------------|--------------------------------------------|-------------------------------------------------------|
| API Number<br><b>30-015-40992</b> | Pool Code<br><b>46881 26770</b>            | Pool Name<br><b>Fren Cedar Lake ; Glorieta - Yeso</b> |
| Property Code<br><b>308711</b>    | Property Name<br><b>CROW FEDERAL</b>       | Well Number<br><b>18H</b>                             |
| GRID No.<br><b>873</b>            | Operator Name<br><b>APACHE CORPORATION</b> | Elevation<br><b>3838'</b>                             |

| Surface Location |          |             |             |         |               |                  |               |                |             |
|------------------|----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| UL or lot No.    | Section  | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
| <b>L</b>         | <b>9</b> | <b>17-S</b> | <b>31-E</b> |         | <b>1805</b>   | <b>SOUTH</b>     | <b>110</b>    | <b>WEST</b>    | <b>EDDY</b> |

| 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      |
| <b>I</b>                                       | <b>9</b>        | <b>17-S</b>        | <b>31-E</b> |         | <b>1805</b>   | <b>SOUTH</b>     | <b>330</b>    | <b>EAST</b>    | <b>EDDY</b> |
| Dedicated Acres<br><b>160</b>                  | 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

|                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p><b>CORNER COORDINATES TABLE</b></p> <p>A) Y=672852.6 N, X=638365.7 E</p> <p>B) Y=672888.0 N, X=643646.5 E</p> <p>C) Y=671532.5 N, X=638373.2 E</p> <p>D) Y=671567.1 N, X=643654.3 E</p>                        |  | <p><b>GEODETIC COORDINATES</b><br/>NAD 27 NME</p> <p><b>SURFACE LOCATION</b><br/>Y=672017.6 N<br/>X=638480.4 E</p> <p>LAT=32° 46' 49" N<br/>LONG.=103° 88' 24" W</p> <p>LAT=32° 50' 48" N<br/>LONG.=103° 52' 57" W</p> <p><b>BOTTOM HOLE LOCATION</b><br/>Y=672048.6 N<br/>X=643321.5 E</p>                                                                                                                                                                                                                                    |  | <p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Sorina L. Flores</i> 8/15/12<br/>Signature Date</p> <p><i>Sorina L. Flores</i><br/>Printed Name</p> <p><i>sorina.flores@apachecorp.com</i><br/>E-mail Address</p> |  |
| <p><b>DETAIL</b></p> <p>3844.3' 3845.7'</p> <p>600'</p> <p>3833.5' 3854.2'</p> <p>110'</p> <p>S.L.</p> <p>SEE DETAIL</p> <p>GRID AZ = 89° 37' 58"</p> <p>HORIZ. DIST. = 4842.4'</p> <p>B.H. 330'</p> <p>1805'</p> |  | <p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>MAY 18, 2012<br/>Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor:<br/><i>Ronald J. Eidson</i><br/>NEW MEXICO<br/>REGISTERED<br/>3239<br/>12/13/2012<br/>Certificate Number: 12641<br/>Ronal J. Eidson 3239</p> <p>AF JWSC W.O. 12.11.0479</p> |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |

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

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Revised August 1, 2011  
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District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                           |                                     |                                  |
|---------------------------|-------------------------------------|----------------------------------|
| API Number<br>30-15-41166 | Pool Code<br>26770                  | Pool Name<br>Fren; Glorieta-Yeso |
| Property Code<br>308711   | Property Name<br>CROW FEDERAL       | Well Number<br>22H               |
| GRID No.<br>873           | Operator Name<br>APACHE CORPORATION | Elevation<br>3870'               |

| Surface Location |         |          |       |         |               |                  |               |                |        |
|------------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No.    | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| E                | 9       | 17-S     | 31-E  |         | 1680          | NORTH            | 10            | WEST           | EDDY   |

| As-Drilled 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 |
| H                                                         | 9       | 17-S     | 31-E  |         | 1673.7        | NORTH            | 331.3         | EAST           | EDDY   |

| Penetration Point Location |         |          |       |         |               |                  |               |                |        |
|----------------------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No.              | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| E                          | 9       | 17-S     | 31-E  |         | 1679          | NORTH            | 68.8          | WEST           | EDDY   |

|                        |                 |                    |           |
|------------------------|-----------------|--------------------|-----------|
| Dedicated Acres<br>160 | 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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | <p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <i>Fatima Vasquez</i> Date: 03/11/2014</p> <p>Printed Name: Fatima Vasquez</p> <p>E-mail Address: Fatima.Vasquez@apachecorp.com</p> |
| <p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>MAY 17, 2012</p> <p>Date of Survey</p> <p>Signature: <i>Gary G. Eidson</i> Professional Surveyor:</p> <p>Seal: GARY G. EIDSON NEW MEXICO 12641</p> <p>Commission Number: Gary G. Eidson 12641<br/>J. Eidson 3239</p> <p>ACK RECORDED JWSC W.O.: 14.13.0147</p> |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                  |                                            |                                         |
|----------------------------------|--------------------------------------------|-----------------------------------------|
| API Number<br><b>30-15-41167</b> | Pool Code<br><b>26770</b>                  | Pool Name<br><b>FREN; GLORIETA-YESO</b> |
| Property Code<br><b>308711</b>   | Property Name<br><b>CROW FEDERAL</b>       | Well Number<br><b>23H</b>               |
| OGRID No.<br><b>873</b>          | Operator Name<br><b>APACHE CORPORATION</b> | Elevation<br><b>3870'</b>               |

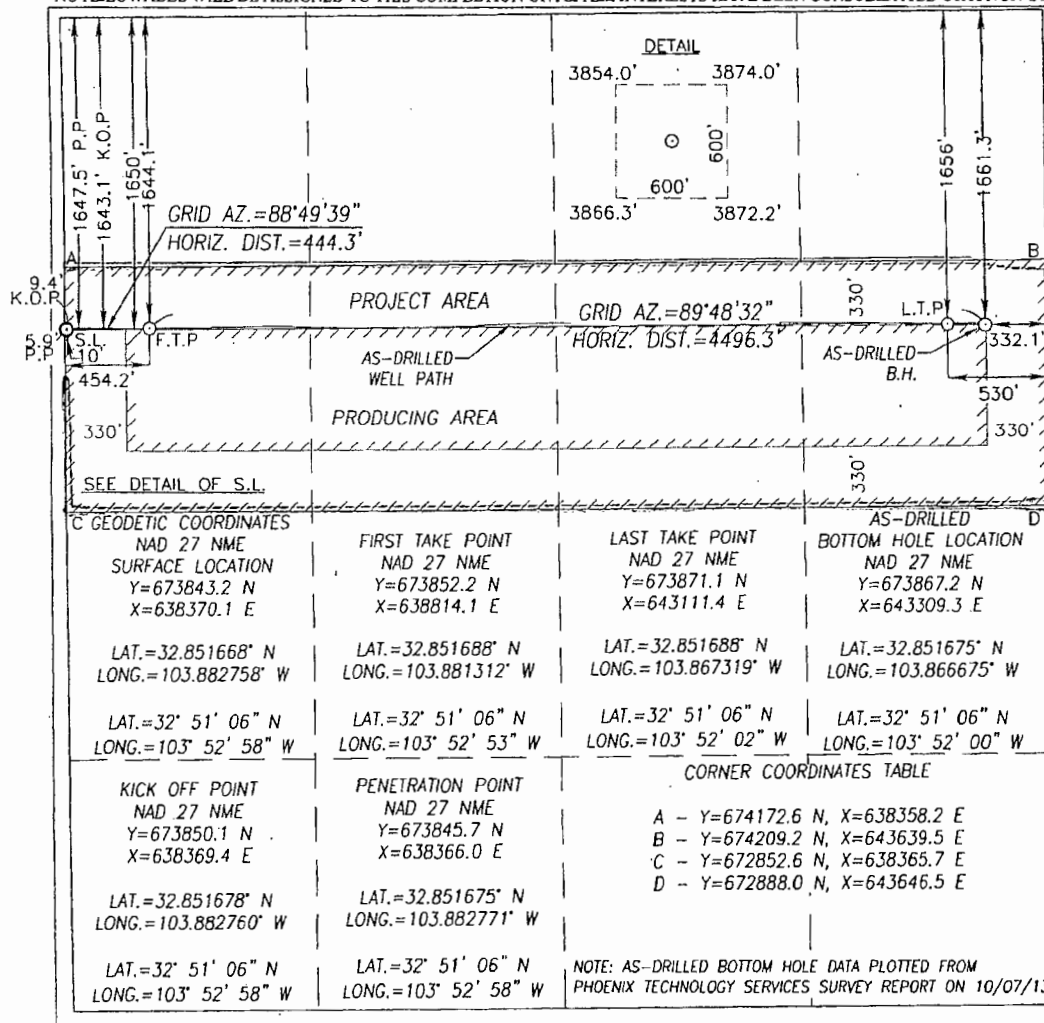
| UL or lot No. | Section  | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>E</b>      | <b>9</b> | <b>17-S</b> | <b>31-E</b> |         | <b>1650</b>   | <b>NORTH</b>     | <b>10</b>     | <b>WEST</b>    | <b>EDDY</b> |

| UL or lot No. | Section  | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>H</b>      | <b>9</b> | <b>17-S</b> | <b>31-E</b> |         | <b>1661.3</b> | <b>NORTH</b>     | <b>332.1</b>  | <b>EAST</b>    | <b>EDDY</b> |

| UL or lot No. | Section  | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>E</b>      | <b>9</b> | <b>17-S</b> | <b>31-E</b> |         | <b>1647.5</b> | <b>NORTH</b>     | <b>5.9</b>    | <b>WEST</b>    | <b>EDDY</b> |

|                               |                 |                    |           |
|-------------------------------|-----------------|--------------------|-----------|
| Dedicated Acres<br><b>160</b> | 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



**OPERATOR CERTIFICATION**

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature *[Signature]* Date **03/21/2012**  
Printed Name **Fatima Vasquez**  
E-mail Address **Fatima.Vasquez@apachecorp.com**

**SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

**MAY 17, 2012**

Date of Survey  
Signature & Seal of Professional Surveyor:

**GARY G. EIDSON**  
NEW MEXICO  
12641  
RECEIVED  
5/17/12  
Cert. No. 12641  
ACK RBV 10/12/12 JWSC W.O.: 14.13.0149

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                            |                                     |                                          |
|----------------------------|-------------------------------------|------------------------------------------|
| API Number<br>30-015-41168 | Pool Code<br>96831                  | Pool Name<br>Cedar Lake; Glorieta - Yeso |
| Property Code<br>308911    | Property Name<br>CROW FEDERAL       | Well Number<br>24H                       |
| OGRIID No.<br>873          | Operator Name<br>APACHE CORPORATION | Elevation<br>3869'                       |

### Surface Location

|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No. | Section | Township | Range | Eot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| E             | 9       | 17-S     | 31-E  |         | 1620          | NORTH            | 10            | WEST           | EDDY   |

### Bottom Hole Location If Different From Surface

|                        |                 |                    |               |         |                       |                           |                      |                        |                |
|------------------------|-----------------|--------------------|---------------|---------|-----------------------|---------------------------|----------------------|------------------------|----------------|
| UL or lot No.<br>H     | Section<br>9    | Township<br>17-S   | Range<br>31-E | Lot Idn | Feet from the<br>1620 | North/South line<br>NORTH | Feet from the<br>330 | East/West line<br>EAST | County<br>EDDY |
| Dedicated Acres<br>160 | 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.

### OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or, unless 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order, heretofore entered by the division.

Sorina L. Flores 8/30/12  
Signature Date

Sorina L. Flores  
Printed Name

Sorina.Flores@apachecorp.com  
E-mail Address

### CORNER COORDINATES TABLE

| Point | Y (N)    | X (E)    |
|-------|----------|----------|
| A)    | 674172.6 | 638358.2 |
| B)    | 674209.2 | 643639.5 |
| C)    | 672852.6 | 638365.7 |
| D)    | 672868.0 | 643646.5 |

### GEODETIC COORDINATES

NAD 27 NME

### SURFACE LOCATION

Y=673873.2 N  
X=638369.9 E

### BOTTOM HOLE LOCATION

Y=673908.5 N  
X=643311.2 E

### SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MAY 17, 2012

Date of Survey

Signature & Seal of Professional Surveyor:

GARY G. EIDSON

NEW MEXICO

12641

Gary G. Eidson 8/30/12

Certificate Number: 12641  
Ronald J. Eidson 3239

AP OFF 551 JVSC W.O. 12-11-0473

NOT YET DRILLED

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 Blvd., 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, New Mexico 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<br><b>30-015-42139</b> | Pool Code<br><b>26770</b>                  | Pool Name<br><b>Fren; Glorieta - Yeso</b> |
| Property Code<br><b>308711</b>    | Property Name<br><b>CROW FEDERAL</b>       | Well Number<br><b>34H</b>                 |
| OGRID No.<br><b>873</b>           | Operator Name<br><b>APACHE CORPORATION</b> | Elevation<br><b>3930'</b>                 |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 3       | 17-S     | 31-E  |         | 905           | SOUTH            | 570           | WEST           | EDDY   |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 4       | 17-S     | 31-E  |         | 905           | SOUTH            | 330           | WEST           | EDDY   |

| Dedicated Acres | Joint of Infill | Consolidation Code | Order No.    |
|-----------------|-----------------|--------------------|--------------|
| 160             |                 |                    | 10522<br>3-3 |

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><b>OPERATOR CERTIFICATION</b><br/>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unless 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Sorina L. Flores</i> 12/19/13<br/>Signature Date<br/><b>Sorina L. Flores</b><br/>Printed Name<br/><b>Sorina.L.Flores@apachecorp.com</b><br/>E-mail Address</p> |
| <p><b>CORNER COORDINATES TABLE</b></p> <p>(A) - Y=676812.0 N, X=638343.2 E<br/>(B) - Y=676849.1 N, X=643624.5 E<br/>(C) - Y=675492.7 N, X=638350.7 E<br/>(D) - Y=675566.2 N, X=648912.5 E</p> <p><b>DETAIL</b></p> <p><b>GEODETIC COORDINATES</b><br/>NAD 27 NME</p> <p><b>SURFACE LOCATION</b><br/>Y=676439.0 N<br/>X=644196.8 E</p> <p>LAT.=32.858733° N<br/>LONG.=103.863747° W</p> <p>LAT.=32° 51' 31" N<br/>LONG.=103° 51' 49" W</p> <p><b>BOTTOM HOLE LOCATION</b><br/>Y=676399.8 N<br/>X=638675.5 E</p> | <p><b>SURVEYOR CERTIFICATION</b><br/>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> <p>MAY 2, 2012<br/>Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor:<br/><i>Ronald E. Eidson</i> 03/25/2012<br/>Certificate Number: 12641<br/>Professional Surveyor: 3239<br/>DSS JWSC W.O.: 12.11.0834</p>                                                                                                                                                                                                                   |

# NOT YET DRILLED

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

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OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 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<br><b>30-015- 42141</b> | Pool Code<br><b>26770</b>                  | Pool Name<br><b>Fren; Glorieta - Yaso</b> |
| Property Code<br><b>308711</b>     | Property Name<br><b>CROW FEDERAL</b>       | Well Number<br><b>36H</b>                 |
| OGRID No.<br><b>873</b>            | Operator Name<br><b>APACHE CORPORATION</b> | Elevation<br><b>3929'</b>                 |

### Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 3       | 17-S     | 31-E  |         | 970           | SOUTH            | 537           | WEST           | EDDY   |

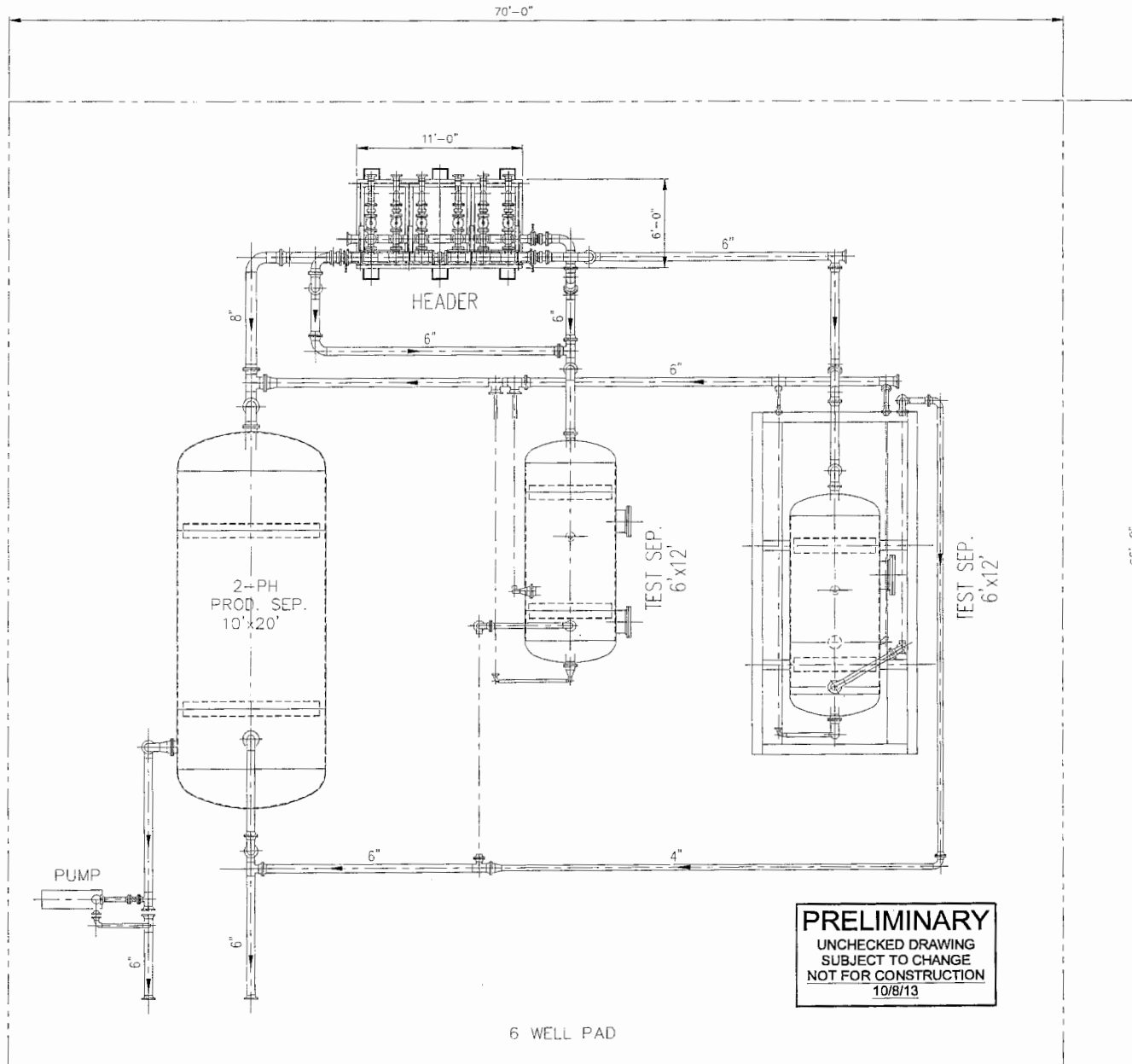
### Bottom Hole Location If Different From Surface

| UL or lot No.                  | Section         | Township           | Range                             | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|--------------------------------|-----------------|--------------------|-----------------------------------|---------|---------------|------------------|---------------|----------------|--------|
| M                              | 4               | 17-S               | 31-E                              |         | 970           | SOUTH            | 330           | WEST           | EDDY   |
| Dedicated Acres<br><b>1.60</b> | Joint or Infill | Consolidation Code | Order No.<br><b>3-3<br/>11059</b> |         |               |                  |               |                |        |

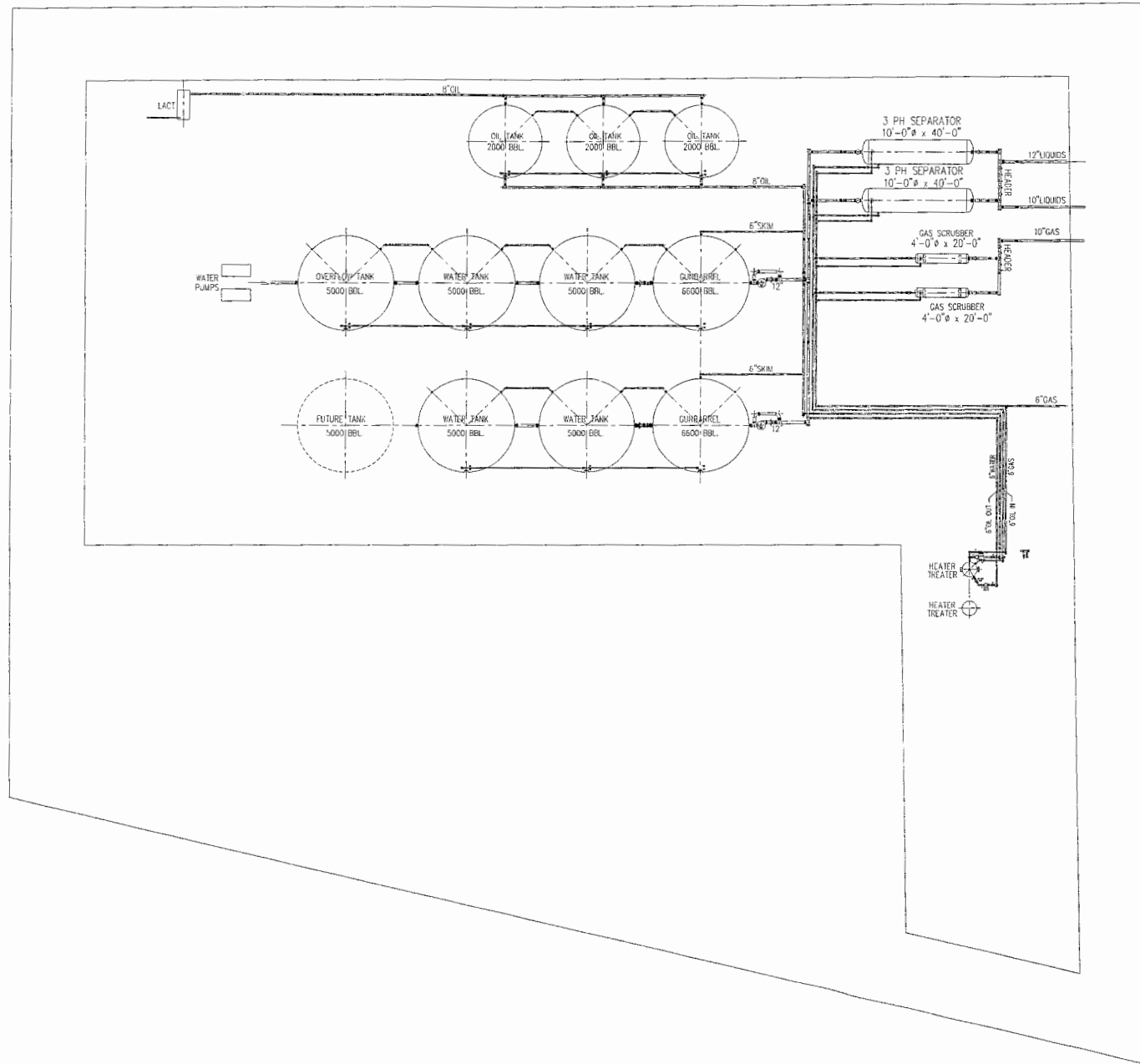
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

|                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p><b>CORNER COORDINATES TABLE</b></p> <p>① - Y=676812.0 N, X=638343.2 E</p> <p>② - Y=676849.1 N, X=643624.5 E</p> <p>③ - Y=675492.7 N, X=638350.7 E</p> <p>④ - Y=675566.2 N, X=648912.5 E</p> <p><b>DETAIL</b></p> <p>3931.0' 3936.0'</p> <p>600' 600'</p> <p>3925.6' 3927.6'</p>         |  | <p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Sorina L. Flores</i> 12/19/13<br/>Signature Date</p> <p>Sorina L. Flores<br/>Printed Name</p> <p>Sorina.Flores@apachecorp.com<br/>E-mail Address</p> |  |
| <p><b>GEODEIC COORDINATES</b><br/>NAD 27 NME</p> <p><b>SURFACE LOCATION</b><br/>Y=676503.8 N<br/>X=644163.7 E</p> <p>LAT.=32.858912° N<br/>LONG.=103.863854° W</p> <p>LAT.=32° 51' 32" N<br/>LONG.=103° 51' 50" W</p> <p><b>BOTTOM HOLE LOCATION</b><br/>Y=676464.7 N<br/>X=638675.1 E</p> |  | <p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>MAY 2, 2012<br/>Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor:<br/><i>Ronald J. Eidson</i> 05/02/2012<br/>Certificate Number Gary G. Eidson 12641<br/>Ronald J. Eidson 3239<br/>DSS WSC W.O.: 12.11.0832</p>                                                                                                                                                                                                    |  |

PAO #23



# CROW FEDERAL BATTERY

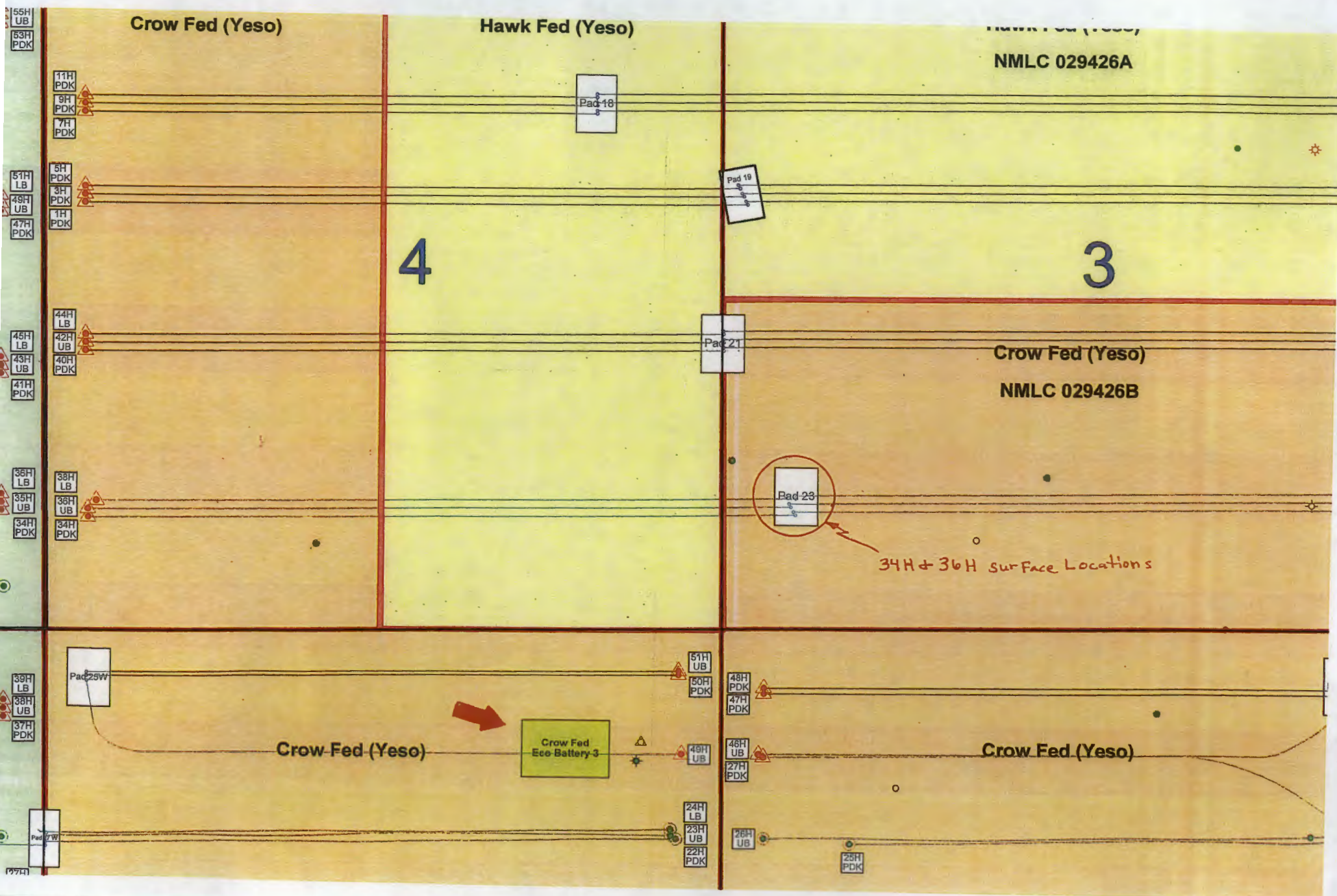


S - R31E

**Phase 1 Yaso Horizontal Drill Program**

- Centralized Pads & Surface Locations
- BH Locations
- Lateral
- Centralized Batteries
- Gathering Lines
- FlowLines
- Transfer Line
- New Road Construction





July 8, 2014

Interest Owner

Re: Notice of Intent to Surface Commingle and Store Production off Lease from  
Crow Federal Com #34H  
Crow Federal Com #36H  
Township 17 South, Range 31 East  
Section 4: S/2  
Eddy County, New Mexico

Dear Interest Owners:

Apache Corporation ("Apache") hereby requests your approval to surface commingle and store production off lease for the above captioned wells and allocate production by monthly well test. Apache further requests your approval to surface commingle and store production off lease from any future wells drilled by Apache, or its successors and assigns, which are located on the above referenced lands and allocate production to each well using monthly wells tests.

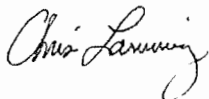
Apache believes that commingling will not decrease the value of production from each well. Additionally, Apache believes commingling and off lease storage will prevent waste and promote conservation by utilizing the existing Crow Federal Tank Battery and equipment, thereby reducing the incremental investment capital that would otherwise be needed to build a separate facility for each well and, as a result, will extend the economic life of the wells and leases.

Enclosed for your review is a copy of Apache's request to the New Mexico Oil Conservation Division ("NMOCD") for approval to surface commingle and store production off lease. Please evidence your approval of Apache's proposal by executing the approval on Page 2 of this letter and returning one (1) copy to my attention using the enclosed prepaid envelope. Any objection you have to our proposal must be filed, in writing, with the Santa Fe office of the NMOCD within twenty (20) days of the date of this letter.

If you have any questions regarding the aforementioned, please do not hesitate to contact the undersigned at (432) 818-1878.

Sincerely,

APACHE CORPORATION



Christopher T. Lanning  
Landman  
(432) 818-1197 Fax  
[chris.lanning@apachecorp.com](mailto:chris.lanning@apachecorp.com)

Notice of Intent to Surface Commingle and store off lease  
T17S-R31R, Eddy County, New Mexico  
Section 4: S/2  
Page 2

The undersigned hereby approves to surface commingle and store production off lease, as more fully described on page 1 of this letter, subject to further approval by the NMOCD.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

**Production Summary Report**

API: 30-015-34126

CROW FEDERAL #001

Printed On: Wednesday, July 23 2014

|      |                                 | Production |           |          |             |          | Injection   |          |          |       |          |
|------|---------------------------------|------------|-----------|----------|-------------|----------|-------------|----------|----------|-------|----------|
| Year | Pool                            | Month      | Oil(BBLS) | Gas(MCF) | Water(BBLS) | Days P/I | Water(BBLS) | Co2(MCF) | Gas(MCF) | Other | Pressure |
| 2014 | [26770] FREN; GLORIETA-YESO     | Jan        | 327       | 202      | 2535        | 31       | 0           | 0        | 0        | 0     | 0        |
| 2014 | [26770] FREN; GLORIETA-YESO     | Feb        | 370       | 290      | 2821        | 28       | 0           | 0        | 0        | 0     | 0        |
| 2014 | [26770] FREN; GLORIETA-YESO     | Mar        | 376       | 305      | 3093        | 31       | 0           | 0        | 0        | 0     | 0        |
| 2014 | [26770] FREN; GLORIETA-YESO     | Apr        | 288       | 233      | 2738        | 30       | 0           | 0        | 0        | 0     | 0        |
| 2014 | [26770] FREN; GLORIETA-YESO     | May        | 257       | 0        | 2601        | 31       | 0           | 0        | 0        | 0     | 0        |
|      |                                 |            |           |          |             |          |             |          |          |       |          |
| 2014 | [26770] FREN; GLORIETA-YESO CUM |            | 22448     | 76806    | 2601        | 31       | 0           | 0        | 0        | 0     | 0        |

## McMillan, Michael, EMNRD

---

**From:** Fisher, Reesa <Reesa.Fisher@apachecorp.com>  
**Sent:** Wednesday, July 23, 2014 8:33 AM  
**To:** McMillan, Michael, EMNRD  
**Subject:** FW: Crow Federal CTB Eddy Co. NM

Michael, the below information also answers the other questions you had regarding the Crow Surface Commingle Applications. Does this work for you or do you need me to compile it into a letter format? I want to do whatever is easiest and fastest for YOU!

Thanks – R ☺

**REESA FISHER**

*direct* 432-818-1062 | 6325C

---

**From:** Maxwell, Craig  
**Sent:** Wednesday, July 16, 2014 9:21 PM  
**To:** Wehmeyer, Dennis; Fisher, Reesa  
**Cc:** Thomas, Mark; Lanning, Chris  
**Subject:** RE: Crow Federal CTB Eddy Co. NM

This is the crow #1 just east of the battery.

Default Prod Day 07/14/2014 ☒ Default LOS/AFE Month May - 2014

Prod Chart and Table   Prod Weekly Variance   Prod Daily Monthly Report   Prod Lease Sum Report   Prod 7Day Variance   LOS Chart and Table   LOS Monthly Variance   LOS Plan Actual Report   Ex

### Master Detail

**Location:**

Property: 33001001 CROW FEDERAL #1

Route: ART-04610-FLUQUA, DILLON Foreman: HOBBS (MAXWELL) Supervisor:

**Location Details:**

Country: UNITED STATES  
 State: NEW MEXICO  
 County: EDDY  
 Region: PERMIAN  
 District: ELINDO  
 Field: GDM FREN (BP)  
 Prospect: EMPIRE EAST

**Operations:**

Status: A Type: 01  
 Operated: Y  
 Operator: 0000001001 APAC

**Summary:**

|      | Total  |
|------|--------|
| WEL: | 0.60   |
| GAS: | 0.5190 |
| OIL: | 0.5190 |

Effective Date:

### Structure List for Selected Location

| GR_ID | RESERVOIR_NM | RPT_LEASE_ID | RPT_LEASE_NM | LATITUDE_DDM_DGR | LONGITUDE_DDM_DGR | COUNTY |
|-------|--------------|--------------|--------------|------------------|-------------------|--------|
| YESO  | 9015         | CROW FEDERAL | 32.853380    | -103.867740      | EDDY              |        |

**From:** Wehmeyer, Dennis  
**Sent:** Wednesday, July 16, 2014 2:46 PM  
**To:** Fisher, Reesa  
**Cc:** Thomas, Mark; Maxwell, Craig; Lanning, Chris  
**Subject:** RE: Crow Federal CTB Eddy Co. NM

- First, will oil and gas be measured, or only oil? It is intended to test the off lease well at the separation facility (oil, water and gas) and commingle with the lease production (Crow wells) and then send to the main battery (Crow) for final separation and sales (oil and gas). Production should be allocated from the well tests. Royalty is the same for the Crow and NFE.
- Where will be CTB located-near what well, and corresponding Unit, and Section, Township, and Range. The Crow Battery is in the NE/4 of Section 9, T17S, R31E, Eddy County, NM. (Mark, do you have the location of the Crow well just to the East of the Crow Battery?)
- Next, I will need a brief engineering description of how the wells will be measured. The well will be tested at a minimum of once per week (oil, water and gas) and production allocated from these tests.
- Your application states metering; however, Christopher Lanning letter states testing, you will have to clarify this point. The well will be tested at a minimum

of once per week. Production from the off lease well will be allocated from these tests (oil, water and gas).

Mark, please send the East Crow well location please. Reesa, hopefully this will suffice.  
Dennis

---

**From:** Fisher, Reesa  
**Sent:** Wednesday, July 16, 2014 1:07 PM  
**To:** Thomas, Mark; Lanning, Chris; Corbett, McKensy; Wehmeyer, Dennis  
**Cc:** Vasquez, Fatima  
**Subject:** FW: Crow Federal CTB Eddy Co. NM

I need the following questions/issues below answered/addressed for the OCD, pertaining to the Crow Federal Commingle.

Thank you – R ☺

**REESA FISHER**  
direct 432-818-1062 | 6325C

---

**From:** McMillan, Michael, EMNRD [<mailto:Michael.McMillan@state.nm.us>]  
**Sent:** Wednesday, July 16, 2014 9:26 AM  
**To:** Fisher, Reesa  
**Subject:** Crow Federal CTB Eddy Co. NM

Ms. Fisher:

I received your application for the Crow CTB on July 14, 2014. To help expedite the process, I will need the following information.

- First, will oil and gas be measured, or only oil?
- Where will be CTB located-near what well, and corresponding Unit, and Section, Township, and Range.
- Next, I will need a brief engineering description of how the wells will be measured.
- Your application states metering; however, Christopher Lanning letter states testing, you will have to clarify this point.

Thank You

**Michael A. McMillan**

Engineering and Geological Services Bureau, Oil Conservation Division  
1220 South St. Francis Dr., Santa Fe NM 87505  
O: 505.476.3448 F. 505.476.3462