

|                     |          |                    |                       |             |                           |
|---------------------|----------|--------------------|-----------------------|-------------|---------------------------|
| DATE IN<br>11/10/08 | SUSPENSE | ENGINEER<br>Brooks | LOGGED IN<br>11/11/08 | TYPE<br>NSL | APP NO.<br>PKVR0801128593 |
|---------------------|----------|--------------------|-----------------------|-------------|---------------------------|

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



*Burlington Resources  
 oil & Gas Company LP  
 Lively # 8M*

**ADMINISTRATIVE APPLICATION CHECKLIST**

5787

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 \_\_\_\_\_

RECEIVED  
 2008 JAN 10 AM 11:02

**[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.**

Patsy Clugston

Print or Type Name

*Patsy Clugston*  
 Signature

Regulatory Specialist

Title

1/9/08

Date

clugspl@conocophillips.com  
 e-mail Address

***Burlington Resources Oil & Gas, LP***

3401 E. 30<sup>th</sup> Street  
Farmington, NM 87401

January 8, 2008  
Sent Overnight UPS

New Mexico Oil Conservation Division  
NSL Examiner  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Re: Lively #8M - API - 30-045-34511  
Unit D, 555' FNL & 610' FWL, Section 12, T29N, R8W,  
San Juan Co, New Mexico

Dear Sir:

This is a request for administrative approval for a non-standard gas well location in the Basin Dakota and the Blanco Mesaverde pools.

The proposed Lively #8M was staked as commingle Dakota / Mesaverde well. The placement of this drill block well is non-standard for the Dakota as per Order 10987-B (2) and Mesaverde as per Order R-10987-A (1) since the spacing is closer than 660' the section boundary.

The first staking attempt was in Unit Letter F (SEnw) and upon looking at the topography on-site access would be very difficult due to a severe wash crossing and being closer than 900' from an existing MV well, and two recorded archeological sites all of which couldn't be avoided. The second staking attempt was in Unit Letter C (NENw) which had significant archeology that would not allow the placement of a full wellpad. A third attempt in Unit Letter D (NWNw) gave us the archeological clearance and enough distance from an existing MV well, but would have placed us right on top of an existing main pipeline corridor. Therefore the location had to be staked at an unorthodox location due to terrain, archaeology, existing well and pipeline placement. See the attached topo and aerial map for further clarification.

Production from the Basin Dakota and Blanco Mesaverde is included in the 320 acres gas spacing unit on the W/2 of Section 12, T29N, R8W. To comply with the New Mexico Oil Conservation Division rules, we are submitting the following for your approval of this non-standard location:

1. Approved APD cover page and C102 plat showing location of the well
2. 9 Section Plan showing wells in the area
3. Offset Operator Plat for Section 12
4. Topo and aerial maps showing the location of the well
5. Archeological report

ConocoPhillips is the operator of the SW/4 of Section 2, and BP America is the off-set Operator of Section 11 and Section 1 therefore notification has been sent to BP American for this non-standard well location. Please let me know if you have any questions about this application at 505-326-9518.

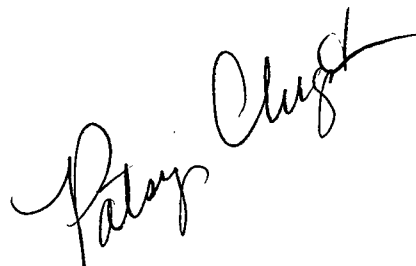
Sincerely,

  
Patsy Clugston  
Regulatory Specialist

Lively #8M; API - 30-045-34511  
Unit D, 555' FNL & 610' FWL, Section 12, T29N, R8W,  
San Juan Co, New Mexico  
Page 2

I hereby certify that the following offset owner/operator has been notified by certified mail of our application for administrative approval for non-standard well locations of the above stated well.

BP America Production Company  
Attn: John Larson  
West Lake 1 Rm 19.179  
501 Westlake Park Blvd.  
Houston, TX 77079

A handwritten signature in black ink, appearing to read "Patay Chugh", is written diagonally across the right side of the page.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

BLM'S APPROVAL OR ACCEPTANCE OF THIS  
ACTION DOES NOT RELIEVE THE LESSEE AND  
OPERATOR FROM OBTAINING ANY OTHER  
AUTHORIZATION REQUIRED FOR OPERATIONS  
ON FEDERAL AND INDIAN LANDS

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

NOV 19 2007

5. Lease Number  
NMSF-078502A  
Unit Reporting Number

RCVD DEC 7 '07

1a. Type of Work  
DRILL

1b. Type of Well  
GAS

Bureau of Land Management  
Farmington Field Office

6. If Indian, All. or Tribe

2. Operator  
**BURLINGTON**  
RESOURCES Oil & Gas Company, LP

7. Unit Agreement Name

OIL CONS. DIV.  
DIST. 3

3. Address & Phone No. of Operator  
PO Box 4289, Farmington, NM 87499  
(505) 326-9700

8. Farm or Lease Name  
Lively

9. Well Number  
#8M ✓

4. Location of Well  
Unit D (NWNW), 555' FNL & 610' FWL

10. Field, Pool, Wildcat  
Basin Dakota/Blanco Mesaverde

Surf: Latitude 36.74503 N  
Longitude 107.63402 W

11. Sec., Twn, Rge, Mer. (NMPM)  
D Sec. 12, T29N, R30W R08W

API # 30-045-34511

14. Distance in Miles from Nearest Town  
12.5 Miles/Blanco

12. County  
San Juan

13. State  
NM

15. Distance from Proposed Location to Nearest Property or Lease Line  
555'

16. Acres in Lease  
1840.000 640

17. Acres Assigned to Well  
MV/DK 320.00 (W/2)

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease  
1072' from Vandervart 1-A

19. Proposed Depth  
7637'

20. Rotary or Cable Tools  
Rotary

21. Elevations (DF, FT, GR, Etc.)  
6308' GL

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program  
See Operations Plan attached

24. Authorized by: Jamie Goodwin  
Jamie Goodwin (Regulatory Technician)

11/16/07  
Date

PERMIT NO.

APPROVAL DATE

APPROVED BY Wayne Townsend TITLE Acting AFM

DATE 12-6-07

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes 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 presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

HOLD G104 FOR NGL

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS".

DEC 13 2007

NMOCD

NOTIFY AZTEC OGD 24 HRS.  
PRIOR TO CASING & CEMENT

This action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3  
and appeal pursuant to 43 CFR 3165.4

DISTRICT I  
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised October 12, 2005

DISTRICT II  
1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

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

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|   |   |   |
|---|---|---|
| <sup>1</sup> API Number<br>30-045- <b>34511</b> | <sup>2</sup> Pool Code<br>72319/71599                                     | <sup>3</sup> Pool Name<br>BASIN DAKOTA/BLANCO MESAVERDE |
| <sup>4</sup> Property Code<br>18182             | <sup>5</sup> Property Name<br>LIVELY                                      | <sup>6</sup> Well Number<br>8 M                         |
| <sup>7</sup> OGRD No.<br>14538                  | <sup>8</sup> Operator Name<br>BURLINGTON RESOURCES OIL AND GAS COMPANY LP | <sup>9</sup> Elevation<br>6308'                         |

<sup>10</sup> Surface Location

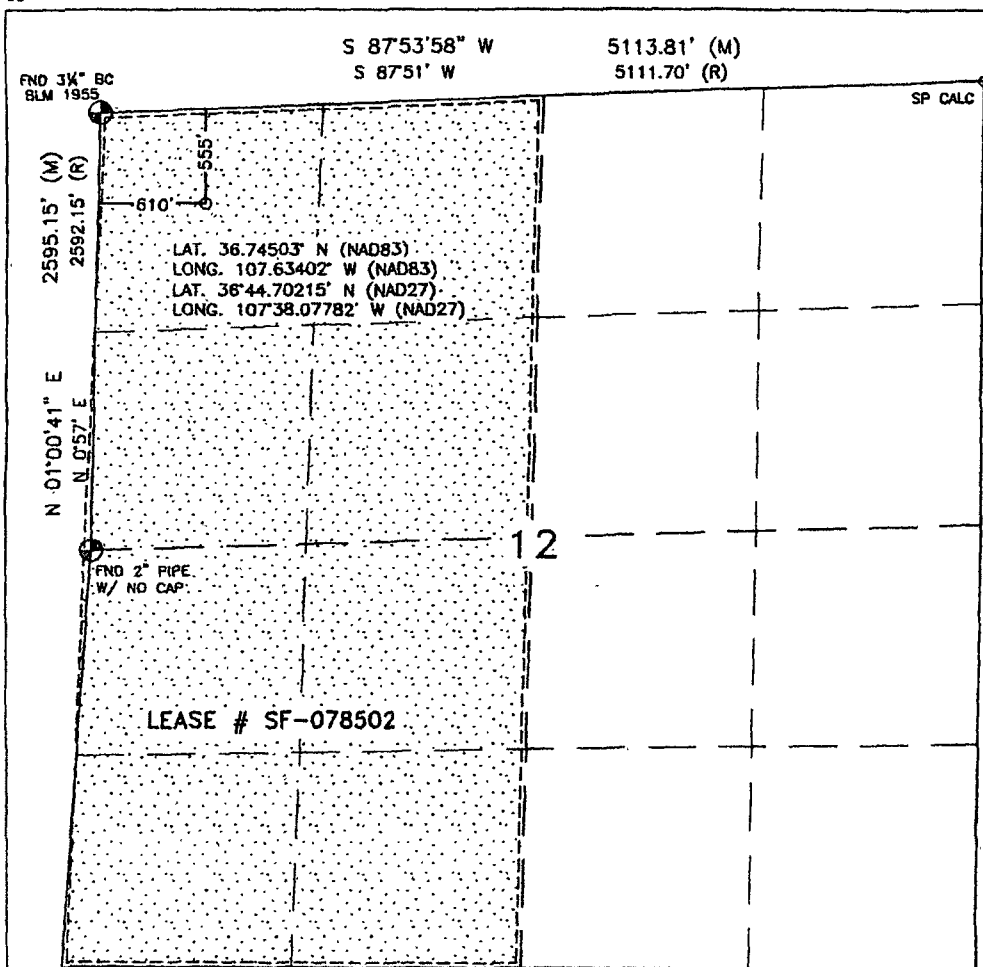
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| D             | 12      | 29N      | 8W    |         | 555'          | NORTH            | 610'          | WEST           | SAN JUAN |

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

| UL or lot no.   | Section | Township | Range                         | Lot Idn | Feet from the                    | North/South line | Feet from the           | East/West line | County |
|---|---------|----------|-------------------------------|---------|----------------------------------|------------------|-------------------------|----------------|--------|
| D   |         |          |                               |         |                                  |                  |                         |                |        |
| <sup>12</sup> Dedicated Acres<br>320.00 Acres - (W/2) |         |          | <sup>13</sup> Joint or Infill |         | <sup>14</sup> Consolidation Code |                  | <sup>15</sup> Order No. |                |        |
|   |         |          |                               |         |                                  |                  |                         |                |        |

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

16



<sup>17</sup> OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner or a compulsory pooling order heretofore entered by the division.

*Jamie Goodwin* 9/17/07  
Signature Date

Jamie Goodwin

Printed Name

<sup>18</sup> SURVEYOR CERTIFICATION

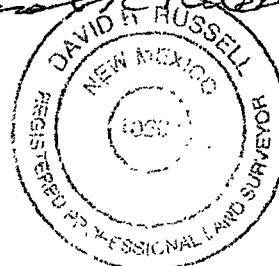
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

SEPTEMBER 6, 2007

Date of Survey

Signature and Seal of Professional Surveyor:

*David H. Russell*

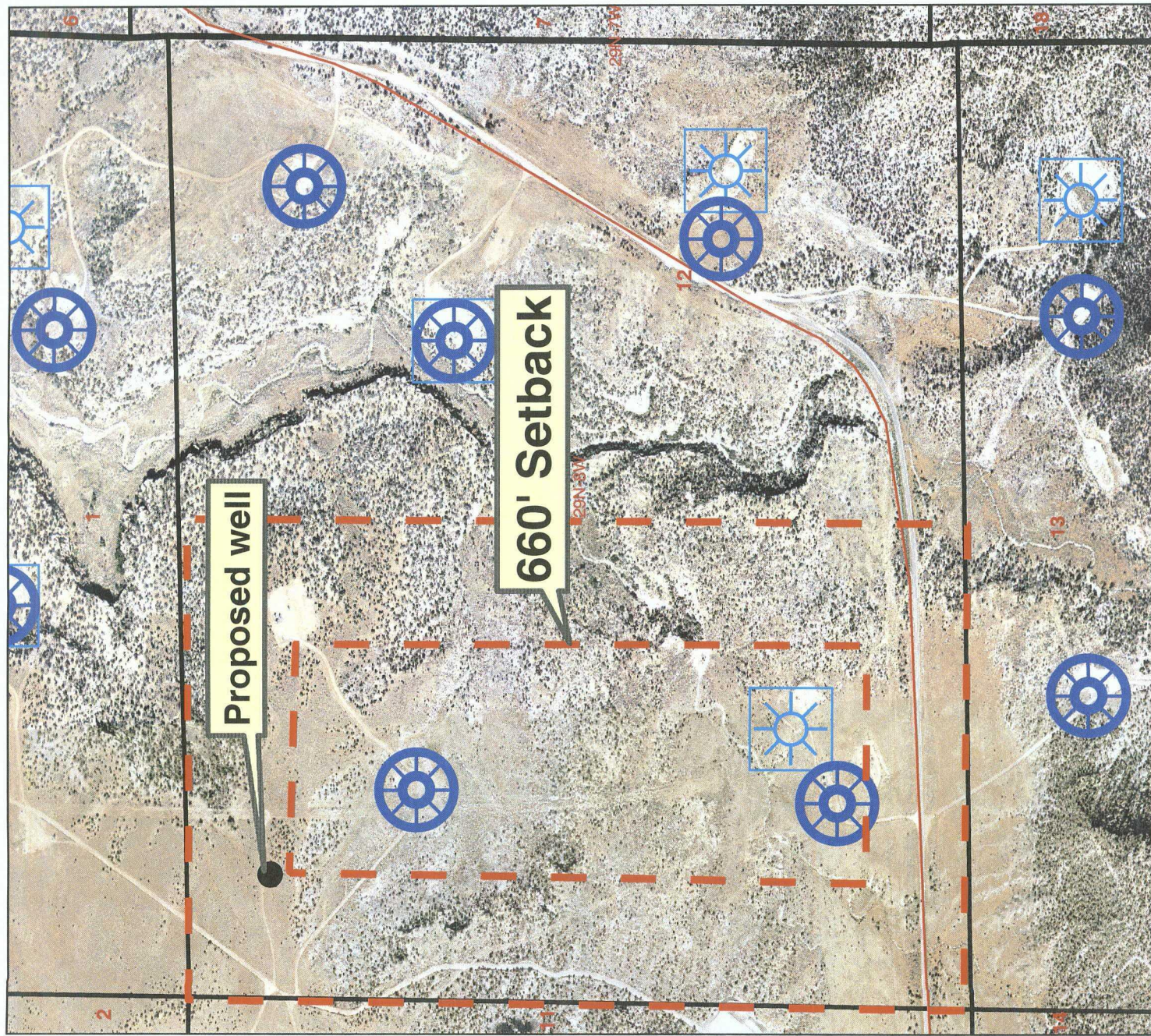


DAVID RUSSELL

Certificate Number

10201





# Legend

- MESAVERDE
- DAKOTA



1:1,000,000  
- 1" equals 83,333'  
GCS North American 1927

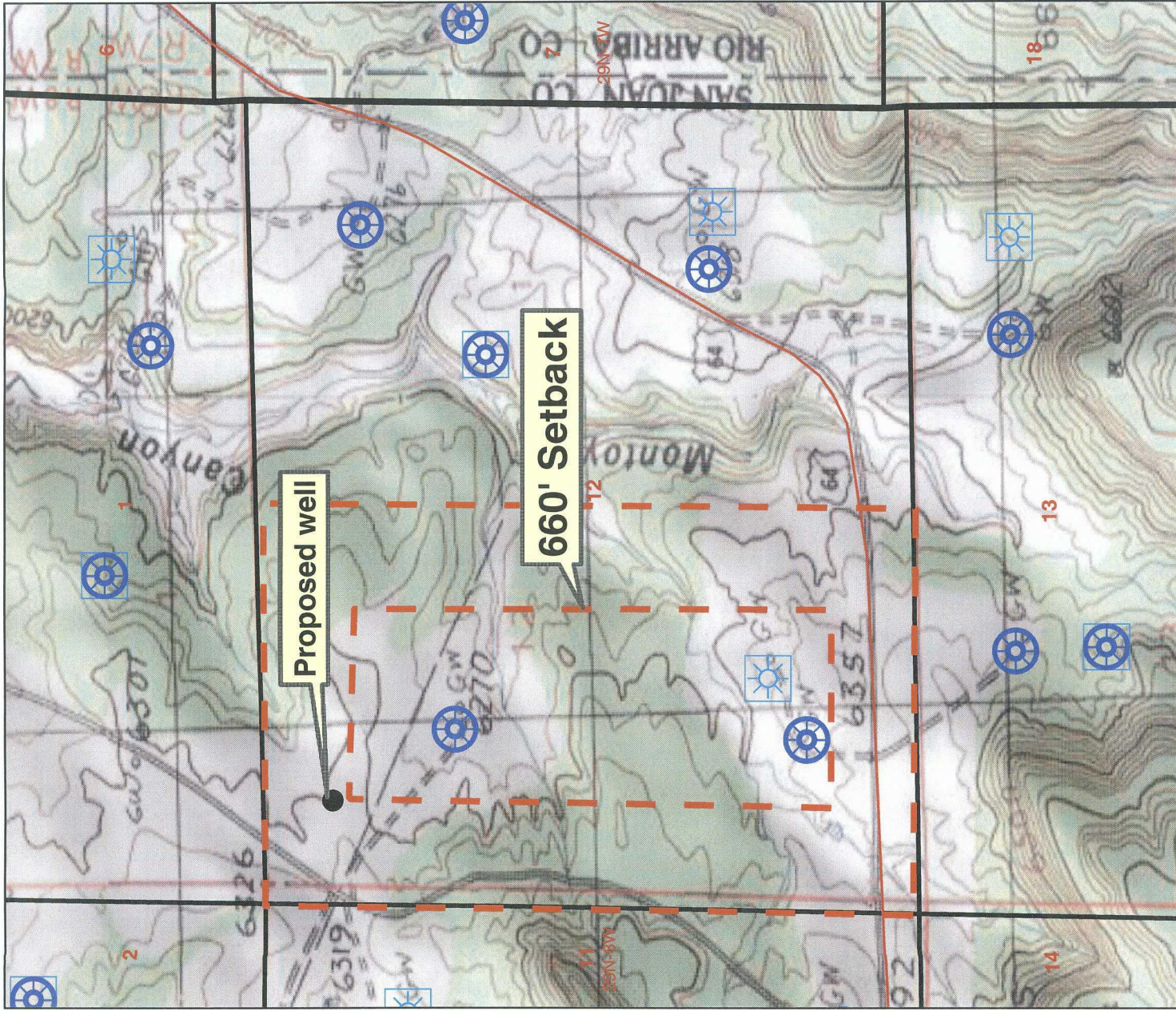


**ConocoPhillips**  
© Unpublished Work, ConocoPhillips

Proposed Lively 8M  
Sec 12, T29N, R8W  
San Juan County, NM  
555' FNL & 610' FWL  
AERIAL MAP

|   |            |
|---|------------|
| Author:   | Date:      |
| Compiled by:  | 10/25/2007 |
| Project:  | Scale:     |
| R:\PlanPublic\10-24-07\SWL Lively 8M - Aerial Map - 10-24-07 - .mxd | <Scale>    |





# Legend

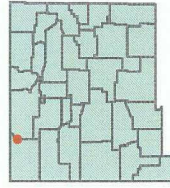
• MESAVERDE

• DAKOTA



Feet

1:1,000,000  
- 1" equals 83,333'  
GCS North American 1927



**ConocoPhillips**

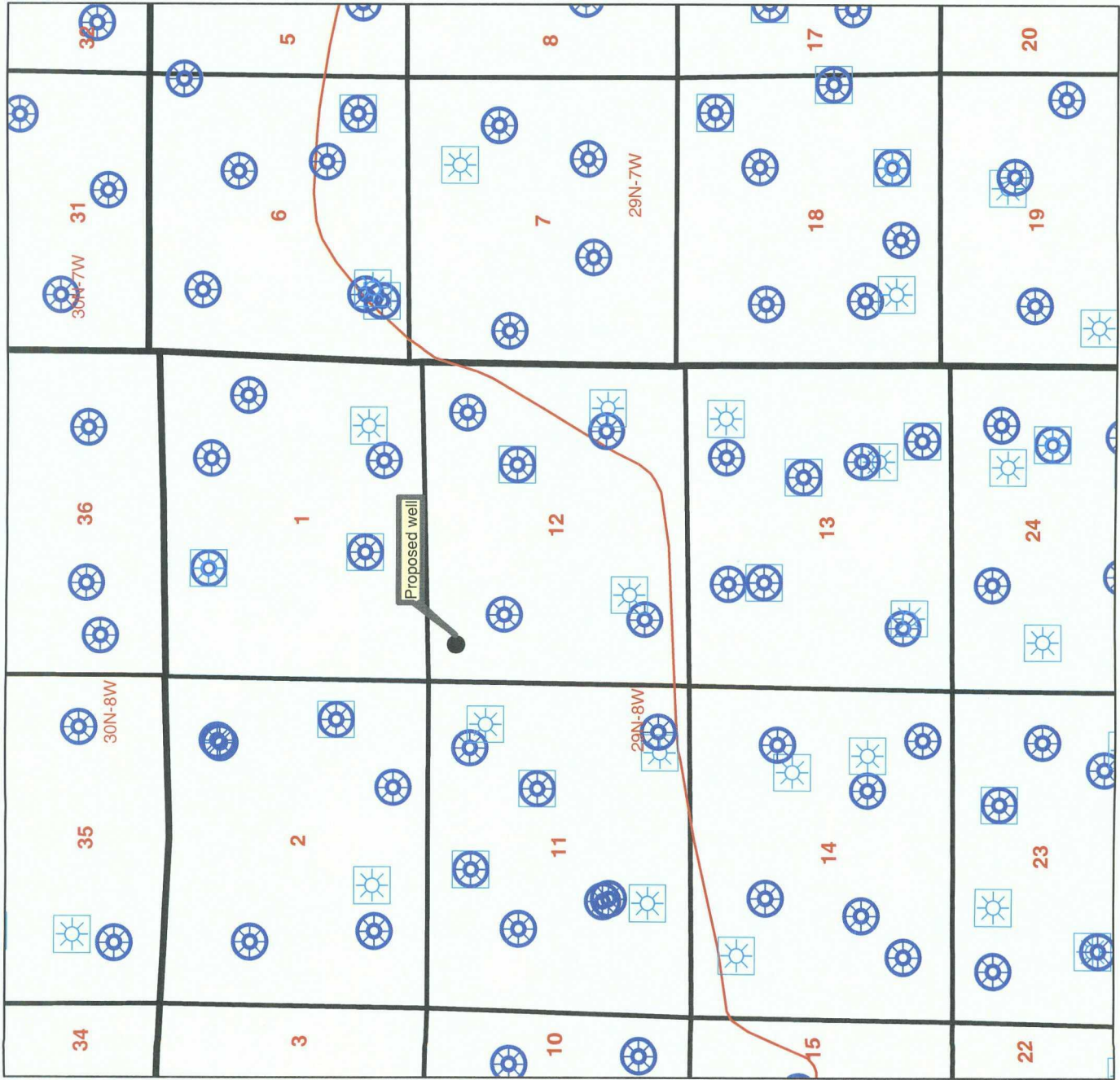
© Unpublished Work, ConocoPhillips

Proposed Lively 8M  
Sec 12, T29N, R8W  
San Juan County, NM  
555' FNL & 610' FWL

## TOPO MAP

|               |  |
|---------------|--|
| Author:       | 10/25/2007   |
| Compiled by:  | Scale: <Scale>   |
| Project File: | PlatPublic\Protect\DSWL\lively 8M - Topo Map - 10-24-07 .mxd |

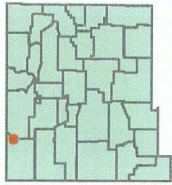
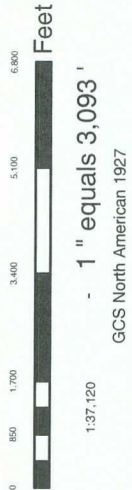




Legend

MESAVERDE

DAKOTA



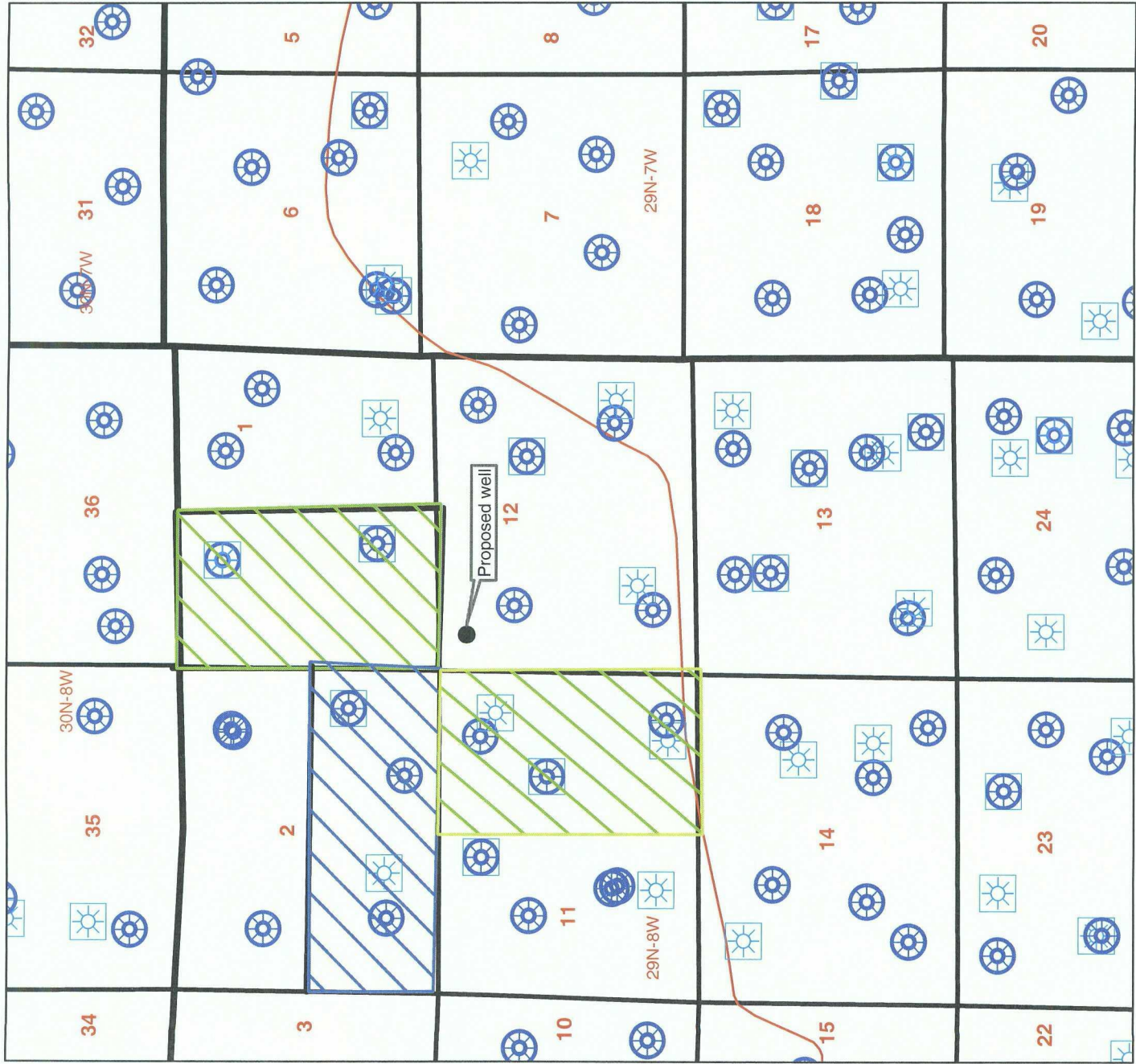
**ConocoPhillips**  
 © Unpublished Work, ConocoPhillips

**Proposed Lively 8M  
 Nine Section Map**

|   |                  |
|---|------------------|
| Author:   | Date: 10/24/2007 |
| Compiled by:  | Scale: <Scale>   |
| R:\PlatPublic\Projects\DSW\NSI.s completed - 2007\Lively8M\Nine Section Map - 10-24-07 - .mxd |                  |

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**Legend**

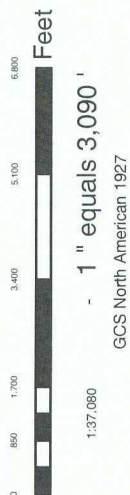
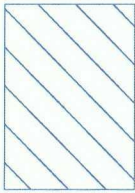
Well  
 Offset Working Interest

**MESAVERDE  
DAKOTA**

Operator, BP America  
Offset Working Interest  
Florance 30E & 30M  
(in sec.1)  
Vandewart A-1,  
Vandewart 1, &  
Wandewart 1M  
(in sec 11)



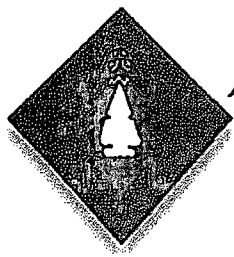
Operator,  
ConocoPhillips  
Offset Working Interest  
State Com N wells  
(100% COP)



**ConocoPhillips**  
© Unpublished Work, ConocoPhillips

**Proposed Lively 8M  
Sec 12, T29N, R8W  
San Juan County, NM  
555' FNL & 610' FWL  
OFFSET MAP**

|  |                  |
|--|------------------|
| Author:  | Date: 10/24/2007 |
| Compiled by:   | Scale: <Scale>   |
| R:\PlatPublic\Projects\DSW\NLS completed - 2007\PlatNRM - Offset Map - 10-24-07 - .mxd |                  |



# Aztec Archaeological Consultants, LLC

Survey ♦ Research ♦ Excavation ♦ GIS ♦ Macrobotanical Analysis ♦ Tours

October 29, 2007

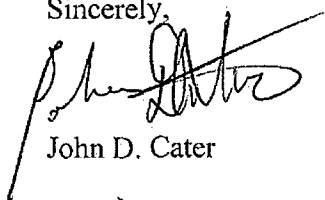
Virgil Chavez  
Conoco Phillips  
3401 E. 30th  
Farmington, NM 87402

John D. Cater PhD (abd), MA, RPA  
President/Principal Investigator  
David Skoglund  
Vice President/Joint Principal Investigator  
Aztec Archaeological Consultants, LLC

Dear Virgil,

Please find enclosed one client copy of our report entitled "A Cultural Resource Inventory of the Proposed Burlington Resources Lively No. 8M Well Pad, Access Road, and Enterprise Field Services Pipeline in San Juan County, New Mexico" by Trisha Rude and Suzy Huizinga. We have also included the BLM copies in the sealed envelope, and have sent a client copy to Enterprise Field Services. As always, please do not break the seal. Should you have any questions or problems with this report, please feel free to contact us.

Sincerely,



John D. Cater



# NMCRIS INVESTIGATION ABSTRACT FORM (NIAF)

| <b>1. NMCRIS Activity No.:</b><br>107977  | <b>2a. Lead (Sponsoring) Agency:</b><br>BLM-FFO | <b>2b. Other Permitting Agency(ies):</b>  | <b>3. Lead Agency Report No.:</b>  |                                     |                                 |              |                              |                     |      |   |                                  |                |
|---|---|---|--|-------------------------------------|---------------------------------|--------------|------------------------------|---------------------|------|---|----------------------------------|----------------|
| <b>4. Title of Report:</b> A Cultural Resource Inventory of the Proposed Burlington Resources Lively No. 8M Well Pad, Access Road, and Enterprise Field Services Pipeline in San Juan County, New Mexico<br><br><b>Author(s)</b> Trisha Rude and Suzy Huizinga  |   |   | <b>5. Type of Report</b><br><input checked="" type="checkbox"/> Negative <input type="checkbox"/> Positive |                                     |                                 |              |                              |                     |      |   |                                  |                |
| <b>6. Investigation Type</b><br><input type="checkbox"/> Research Design <input checked="" type="checkbox"/> Survey/Inventory <input type="checkbox"/> Test Excavation <input type="checkbox"/> Excavation <input type="checkbox"/> Collections/Non-Field Study<br><input type="checkbox"/> Overview/Lit Review <input type="checkbox"/> Monitoring <input type="checkbox"/> Ethnographic study <input type="checkbox"/> Site specific visit <input type="checkbox"/> Other   |   |   |  |                                     |                                 |              |                              |                     |      |   |                                  |                |
| <b>7. Description of Undertaking (what does the project entail?):</b> The proposed undertaking is for a well pad, access road, and pipeline. The well pad is expected to be 300 x 230 ft (91 x 70 m) excluding the construction zone. Well pad construction will entail removal of vegetation, leveling and clearing of the well pad area, and excavation of reserve and blow pits. Access to the proposed well pad will be from the west, along an existing two-track which will be bladed to grade. The proposed access will be 475 ft (145 m) long. The pipeline associated with this project will be 12.89 ft (4 m) long and will be constructed entirely within the area of the proposed well pad. |   | <b>8. Dates of Investigation:</b> Sept. 6, 2007<br><br><b>9. Report Date:</b> October 25, 2007  |  |                                     |                                 |              |                              |                     |      |   |                                  |                |
| <b>10. Performing Agency/Consultant:</b><br>Aztec Archaeological Consultants, LLC<br>Principal Investigator: John Cater, David Skoglund<br>Field Supervisor: Trisha Rude<br>Field Personnel Names: Trisha Rude, Suzy Huizinga   |   | <b>11. Performing Agency/Consultant Report No.:</b><br>AAC-2007-087<br><br><b>12. Applicable Cultural Resource Permit No(s):</b><br>202-2920-06-F |  |                                     |                                 |              |                              |                     |      |   |                                  |                |
| <b>13. Client/Customer (project proponent):</b><br>Conoco Phillips Company<br>Contact: Virgil Chavez<br>Address: 3401 E. 30 <sup>th</sup> , Farmington, NM 87402<br>Phone: (505) 326-9700   |   | <b>14. Client/Customer Project No.:</b>   |  |                                     |                                 |              |                              |                     |      |   |                                  |                |
| <b>15. Land Ownership Status (<u>Must</u> be indicated on project map):</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 50%;">Land Owner</th> <th style="width: 25%;">Acres Surveyed</th> <th style="width: 25%;">Acres in APE</th> </tr> </thead> <tbody> <tr> <td>BLM-FFO</td> <td style="text-align: center;">8.72</td> <td style="text-align: center;">3.36</td> </tr> <tr> <td style="text-align: right;"><b>TOTALS</b></td> <td style="text-align: center;">8.72</td> <td style="text-align: center;">3.36</td> </tr> </tbody> </table>  |   |   |  | Land Owner                          | Acres Surveyed                  | Acres in APE | BLM-FFO                      | 8.72                | 3.36 | <b>TOTALS</b>                               | 8.72                             | 3.36           |
| Land Owner  | Acres Surveyed                                  | Acres in APE  |  |                                     |                                 |              |                              |                     |      |   |                                  |                |
| BLM-FFO   | 8.72  | 3.36  |  |                                     |                                 |              |                              |                     |      |   |                                  |                |
| <b>TOTALS</b>   | 8.72  | 3.36  |  |                                     |                                 |              |                              |                     |      |   |                                  |                |
| <b>16 Records Search(es):</b> The literature review indicated that seven previously recorded sites are within ¼ mile (0.4 km) of the survey area: LA 75396 (Anasazi PI artifact scatter), LA 75398 (Anasazi PI/PII multiple residence), LA 116031 (Anasazi PI Rosa Phase single residence), LA 143582 (Navajo Dinetah Phase activity area), LA 14583 (Lithic scatter, unknown affiliation), LA 143584 (Anasazi PI Rosa Phase Habitation), and LA 150223 (structural, prehistoric). Of these sites, LA 75396 and LA 143584 are within 500 ft of the survey area. Both sites, however, are outside of the survey area and no previously recorded sites should be impacted by the proposed undertaking.    |   |   |  |                                     |                                 |              |                              |                     |      |   |                                  |                |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Date(s) of ARMS File Review 7/06/07</td> <td style="width: 33%;">Name of Reviewer(s) Greg Civity</td> <td style="width: 34%;"></td> </tr> <tr> <td>Date(s) of NR/SR File Review</td> <td>Name of Reviewer(s)</td> <td></td> </tr> <tr> <td>Date(s) of Other Agency File Review 8/07/07</td> <td>Name of Reviewer(s) Cindy Bunker</td> <td>Agency BLM-FFO</td> </tr> </table>  |   |   |  | Date(s) of ARMS File Review 7/06/07 | Name of Reviewer(s) Greg Civity |              | Date(s) of NR/SR File Review | Name of Reviewer(s) |      | Date(s) of Other Agency File Review 8/07/07 | Name of Reviewer(s) Cindy Bunker | Agency BLM-FFO |
| Date(s) of ARMS File Review 7/06/07   | Name of Reviewer(s) Greg Civity                 |   |  |                                     |                                 |              |                              |                     |      |   |                                  |                |
| Date(s) of NR/SR File Review  | Name of Reviewer(s)                             |   |  |                                     |                                 |              |                              |                     |      |   |                                  |                |
| Date(s) of Other Agency File Review 8/07/07   | Name of Reviewer(s) Cindy Bunker                | Agency BLM-FFO  |  |                                     |                                 |              |                              |                     |      |   |                                  |                |
| <b>17. Survey Data:</b><br><b>a. Source Graphics</b> <input checked="" type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83<br><input checked="" type="checkbox"/> USGS 7.5' (1:24,000) topo map <input type="checkbox"/> Other topo map, Scale:<br><input type="checkbox"/> GPS Unit    Accuracy <input type="checkbox"/> <1.0m <input checked="" type="checkbox"/> 1-10m <input type="checkbox"/> 10-100m <input type="checkbox"/> >100m<br><br><b>b. USGS 7.5' Topographic Map Name</b> <b>USGS Quad Code</b><br>Cutter Canyon, New Mexico (1985)                      36107-F6<br><br><b>c. County(ies):</b> San Juan   |   |   |  |                                     |                                 |              |                              |                     |      |   |                                  |                |

## 17. Survey Data (continued):

d. Nearest City or Town: Blanco, NM

e. Legal Description:

| Township (N/S) | Range (E/W) | Section | 1/4         | 1/4 | 1/4 |
|----------------|-------------|---------|-------------|-----|-----|
| 29N            | 8W          | 12      | NW, NW, NW. |     |     |
|                |             |         | NE, NW, NW. |     |     |
|                |             |         | SW, NW, NW. |     |     |
|                |             |         | SW, NW, NW. |     |     |
| 29N            | 8W          | 11      | NE, NE, NE. |     |     |

Projected legal description? Yes ☐ , No ☒ Unplatted ☐

f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.): 555' FNL 610' FWL

## 18. Survey Field Methods:

Intensity: ☒ 100% coverage ☐ <100% coverageConfiguration: ☒ block survey units ☒ linear survey units (l x w): 475 x 30 ft ☐ other survey units (specify):Scope: ☒ non-selective (all sites recorded) ☐ selective/thematic (selected sites recorded)Coverage Method: ☒ systematic pedestrian coverage ☐ other method (describe)

Survey Interval (m): 10 Crew Size: 2 Fieldwork Dates: Sept. 6, 2007

Survey Person Hours: 4 Recording Person Hours: 0 Total Hours: 4

Additional Narrative: The area surveyed included the 300 by 230 ft (91 x 70 m) well pad, surrounded by a 50 ft (15 m) construction zone and a 100 ft (30 m) cultural buffer zone. The 457 ft long access road survey included the 30 ft right-of-way and 50 ft (15 m) buffer zones one either side. The proposed pipeline required no additional survey, because it will be constructed within the well pad area.

19. Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.): The survey area is located on top of an east-facing ridge above Montoya Canyon. The vegetation community is sagebrush scrubland with yellow composites, cheat grass, various native grasses, and occasional juniper and piñon trees. The soil is red brown silty loam.

20.a. Percent Ground Visibility: 60-70% b. Condition of Survey Area (grazed, bladed, undisturbed, etc.): Most of the survey area is within undisturbed soil. However, the east end of the project is within the disturbance of an existing pipeline corridor. The area is grazed by cattle.

21. CULTURAL RESOURCE FINDINGS ☐ Yes, See Page 3 ☒ No, Discuss Why: The survey area is relatively small and in the sagebrush flat. Most sites in the area seem to be on low hills among piñon and juniper trees. During early reconnaissance efforts for this project, nearby Sites LA 75396 and LA 143584 were observed to be outside the project area.

## 22. Required Attachments (check all appropriate boxes):

- ☒ USGS 7.5 Topographic Map with sites, isolates, and survey area clearly drawn  
☒ Copy of NMCRIS Mapserver Map Check  
☐ LA Site Forms - new sites (with sketch map & topographic map)  
☐ LA Site Forms (update) - previously recorded & un-relocated sites (first 2 pages minimum)  
☐ Historic Cultural Property Inventory Forms  
☐ List and Description of isolates, if applicable  
☐ List and Description of Collections, if applicable

23. Other Attachments:  
☐ Photographs and Log  
☐ Other Attachments  
 (Describe):

24. I certify the information provided above is correct and accurate and meets all applicable agency standards.

Principal Investigator/Responsible Archaeologist:

Signature: 

Date: 10/29/07 Title (if not PI):

25. Reviewing Agency:  
Reviewer's Name/Date

Accepted ( ) Rejected ( )

Tribal Consultation (if applicable): ☐ Yes ☐ No26. SHPO  
Reviewer's Name/Date:

HPD Log #:

SHPO File Location:

Date sent to ARMS:



## CULTURAL RESOURCE FINDINGS

*[fill in appropriate section(s)]*

|                                   |   |                            |
|-----------------------------------|---|----------------------------|
| 1. NMCRIS Activity No.:<br>107977 | 2. Lead (Sponsoring) Agency:<br>BLM-FFO | 3. Lead Agency Report No.: |
|-----------------------------------|---|----------------------------|

### SURVEY RESULTS:

Sites discovered and registered: 0  
 Sites discovered and NOT registered: 0  
 Previously recorded sites revisited *(site update form required)*: 0  
 Previously recorded sites not relocated *(site update form required)*: 0  
 TOTAL SITES VISITED: 0  
 Total isolates recorded: 0      Non-selective isolate recording? ☒  
 Total structures recorded *(new and previously recorded, including acequias)*: 0

**MANAGEMENT SUMMARY:** No significant cultural resources were encountered in the survey area. AAC recommends that project clearance be granted for the Burlington Lively 8M well pad and access road without further stipulation. No further archaeological work is recommended in association with this project. Final project clearance is the prerogative of the BLM-FFO and is contingent upon review of this report.

IF REPORT IS NEGATIVE YOU ARE DONE AT THIS POINT.

### SURVEY LA NUMBER LOG

Sites Discovered:

| LA No. | Field/Agency No. | Eligible? (Y/N, applicable criteria) |
|--------|------------------|--------------------------------------|
|        |                  |                                      |
|        |                  |                                      |
|        |                  |                                      |
|        |                  |                                      |

Previously recorded revisited sites:

| LA No. | Field/Agency No. | Eligible? (Y/N, applicable criteria) |
|--------|------------------|--------------------------------------|
|        |                  |                                      |
|        |                  |                                      |
|        |                  |                                      |
|        |                  |                                      |

### MONITORING LA NUMBER LOG *(site form required)*

Sites Discovered *(site form required)* :      Previously recorded sites *(Site update form required)*:

| LA No. | Field/Agency No. | LA No. | Field/Agency No. |
|--------|------------------|--------|------------------|
|        |                  |        |                  |
|        |                  |        |                  |
|        |                  |        |                  |

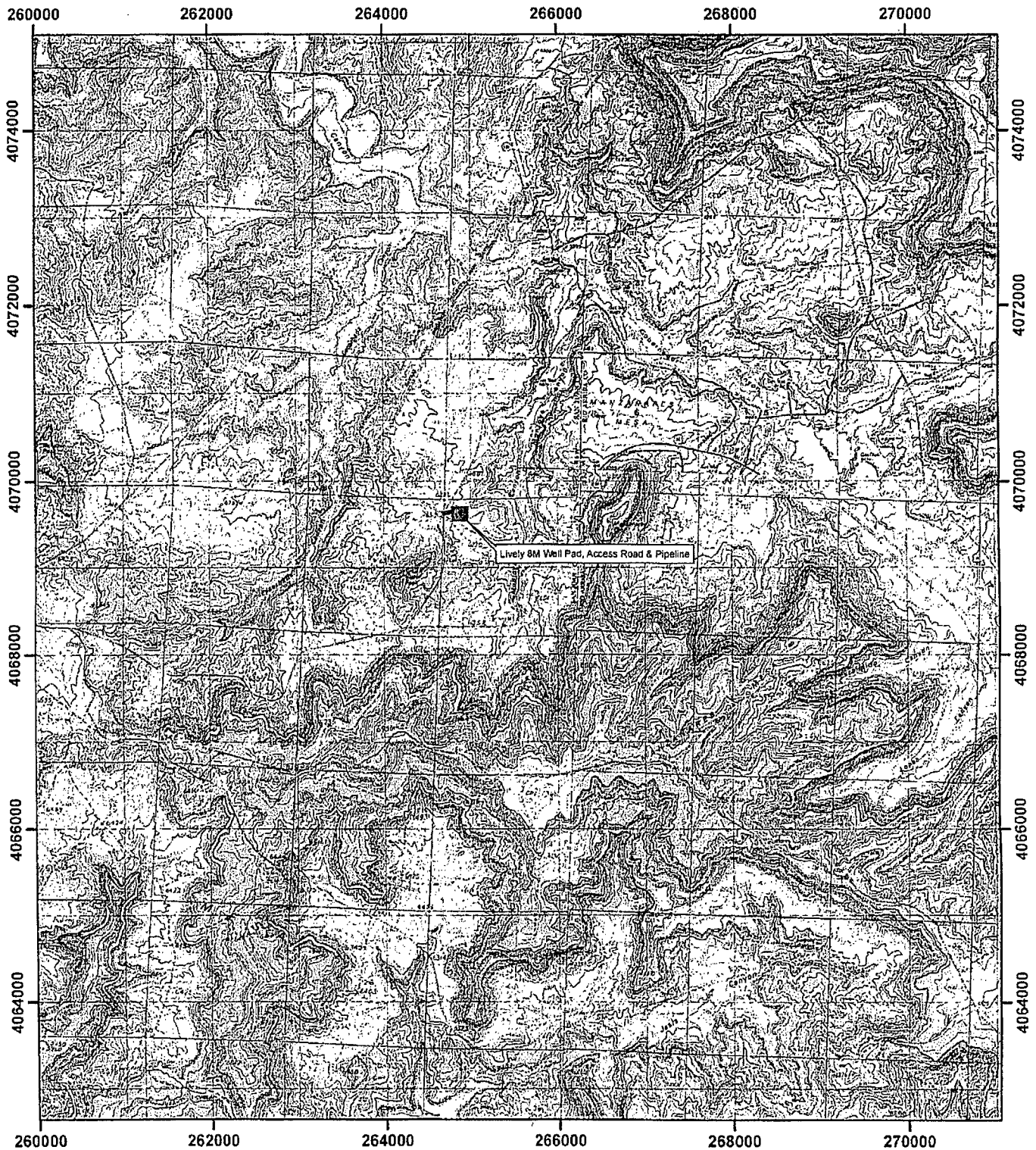
Areas outside known nearby site boundaries monitored? Yes ☐, No ☐ If no explain why:

### TESTING & EXCAVATION LA NUMBER LOG *(site form required)*

| Tested LA number(s) | Excavated LA number(s) |
|---------------------|------------------------|
|                     |                        |
|                     |                        |

# General Project Location

Burlington Resources Lively 8M Well Pad, Access Road  
and Enterprise Field Services Pipeline



San Juan County, NM  
Cutter Canyon, NM, USGS 7.5'  
NAD 27 UTM Zone 13  
T29N R08W Sections 11 & 12  
NMCRIS# 107977  
AAC-2007-087

Aztec GIS Services GCC, TJR 10/25/07



1 inch equals 1 mile

1:63,360

Official Use Only - Disclosure of site locations prohibited (36CFR296.18)



**Brooks, David K., EMNRD**

---

**From:** Brooks, David K., EMNRD  
**Sent:** Monday, February 04, 2008 11:27 AM  
**To:** 'Clugston, Patricia L'  
**Subject:** Lively #8M NSL Application

Dear Ms. Clugston

In this application, you note that ConocoPhillips is the operator of the SW/4 of Section 2, on of the offsetting units affected by the proposed non-standard location.

Please advise if ownership of the SW/4 of Section 2 is identical to that in the W/2 of Section 12. If not, notification to working interest owners in the SW/4 of Section 2 would be required.

Thanks

David K. Brooks  
Legal Examiner  
505-476-3450

2/4/2008

**Brooks, David K., EMNRD**

---

**From:** Clugston, Patricia L [Patsy.L.Clugston@conocophillips.com]  
**Sent:** Friday, February 08, 2008 2:02 PM  
**To:** Brooks, David K., EMNRD  
**Subject:** FW: Lively #8M NSL Application

Hi David, see our land man's explanation to your question on ownership of SW/4 of Section 2 is identical to that in the W/2 of Section 12. It looks to me that no further notification will be needed. Thanks for your help. Patsy

---

**From:** Davis, Richard T  
**Sent:** Friday, February 08, 2008 10:11 AM  
**To:** Clugston, Patricia L  
**Cc:** Wells, Valerie  
**Subject:** RE: Lively #8M NSL Application

Patsy,

It looks like the SE/4 of Sec. 2, T29N, R8W (E-5380-5) is owned 100% by COPC from the surface to the basement. The ownership on the W/2 of Sec. 12, T29N, R8W (SF-078502-A) however is owned 100% by Burlington Resources Oil & Gas Company LP. So the referenced areas are all 100% company owned.

Let me know if you have any further questions or need additional information

---

**From:** Clugston, Patricia L  
**Sent:** Thursday, February 07, 2008 4:11 PM  
**To:** Davis, Richard T; Wells, Valerie  
**Subject:** FW: Lively #8M NSL Application

Can you answer the NSL examiners' questions for us so we can see if we need to send out more notification on this well? Here is a copy of the cover page. Thanks. Patsy

---

**From:** Brooks, David K., EMNRD [mailto:david.brooks@state.nm.us]  
**Sent:** Monday, February 04, 2008 11:27 AM  
**To:** Clugston, Patricia L  
**Subject:** Lively #8M NSL Application

Dear Ms. Clugston

In this application, you note that ConocoPhillips is the operator of the SW/4 of Section 2, on of the offsetting units affected by the proposed non-standard location.

Please advise if ownership of the SW/4 of Section 2 is identical to that in the W/2 of Section 12. If not, notification to working interest owners in the SW/4 of Section 2 would be required.

Thanks

David K. Brooks  
Legal Examiner

2/19/2008



505-476-3450

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2/19/2008

**Well File Search - Select API Number to View**

Please select the API Number you wish to view from the list below by clicking the radio button next to the API Number. Then click the "Continue" button to see the thumbnails for the API you selected.

The search results are broken out by groups of 25 on each page. Switching pages can be done by clicking the "Next 25" or "Previous 25" links.

14 Records Found

Displaying Screen 1 of 1

- | API Number  | ULSTR        | Footages            |
|---|--------------|---------------------|
| <input type="radio"/> 3004508438                    | M -12-29N-8W | 884 FSL & 1065 FWL  |
| Well Name & Number: VANDEWART No. 001               |              |                     |
| Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP |              |                     |
| <input type="radio"/> 3004508591                    | A -12-29N-8W | 890 FNL & 890 FEL   |
| Well Name & Number: FLORANCE AB No. 031             |              |                     |
| Operator: BP AMERICA PRODUCTION COMPANY             |              |                     |
| <input type="radio"/> 3004521109                    | N -12-29N-8W | 1180 FSL & 1450 FWL |
| Well Name & Number: LIVELY No. 008                  |              |                     |
| Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP |              |                     |
| <input type="radio"/> 3004521636                    | E -12-29N-8W | 1535 FNL & 1100 FWL |
| Well Name & Number: VANDEWART No. 001A              |              |                     |
| Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP |              |                     |
| <input type="radio"/> 3004522116                    | I -12-29N-8W | 1595 FSL & 1160 FEL |
| Well Name & Number: FLORANCE AB No. 031A            |              |                     |
| Operator: BP AMERICA PRODUCTION COMPANY             |              |                     |
| <input type="radio"/> 3004526029                    | I -12-29N-8W | 1560 FSL & 800 FEL  |
| Well Name & Number: FLORANCE AB No. 031E            |              |                     |
| Operator: BP AMERICA PRODUCTION COMPANY             |              |                     |
| <input type="radio"/> 3004527044                    | M -12-29N-8W | 790 FSL & 1155 FWL  |
| Well Name & Number: VANDEWART No. 200               |              |                     |
| Operator: ENERGEN RESOURCES CORPORATION             |              |                     |
| <input type="radio"/> 3004528079                    | H -12-29N-8W | 2120 FNL & 1300 FEL |
| Well Name & Number: PRE-ONGARD WELL No. 004         |              |                     |
| Operator: PRE-ONGARD WELL OPERATOR                  |              |                     |
| <input type="radio"/> 3004528654                    | G -12-29N-8W | 2120 FNL & 1300 FEL |
| Well Name & Number: FLORANCE AB No. 004             |              |                     |
| Operator: ENERGEN RESOURCES CORPORATION             |              |                     |
| <input type="radio"/> 3004530899                    | G -12-29N-8W | 1840 FNL & 1695 FEL |
| Well Name & Number: FLORANCE AB No. 031M            |              |                     |
| Operator: BP AMERICA PRODUCTION COMPANY             |              |                     |
| <input type="radio"/> 3004532147                    | C -12-29N-8W | 660 FNL & 1890 FWL  |
| Well Name & Number: VANDEWART No. 200S              |              |                     |
| Operator: ENERGEN RESOURCES CORPORATION             |              |                     |
| <input type="radio"/> 3004532906                    | P -12-29N-8W | 1110 FSL & 1135 FEL |
| Well Name & Number: FLORANCE AB No. 004S            |              |                     |
| Operator: ENERGEN RESOURCES CORPORATION             |              |                     |
| <input type="radio"/> 3004534180                    | A -12-29N-8W | 700 FNL & 660 FEL   |
| Well Name & Number: FLORANCE AB No. 004R            |              |                     |

*Energen*

Operator: ENERGEN RESOURCES CORPORATION

☐ 3004534511

D-12-29N-8W

555 FNL & 610 FWL

Well Name & Number: LIVELY No. 008M

Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP

14 Records Found

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**Well File Search - Select API Number to View**

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12 Records Found

3/25/08  
Displaying Screen 1 of 1

- | API Number  | ULSTR      | Footages            |
|---|------------|---------------------|
| <input type="radio"/> 3004508645                    | M-2-29N-8W | 1090 FSL & 1090 FWL |
| Well Name & Number: STATE COM N No. 010             |            |                     |
| Operator: CONOCOPHILLIPS COMPANY                    |            |                     |
| <input type="radio"/> 3004513249                    | A-2-29N-8W | 990 FNL & 990 FEL   |
| Well Name & Number: PRE-ONGARD WELL No. 001         |            |                     |
| Operator: PRE-ONGARD WELL OPERATOR                  |            |                     |
| <input type="radio"/> 3004520736                    | A-2-29N-8W | 1060 FNL & 1060 FEL |
| Well Name & Number: STATE COM No. 001Y              |            |                     |
| Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP |            |                     |
| <input type="radio"/> 3004521631                    | O-2-29N-8W | 790 FSL & 1790 FEL  |
| Well Name & Number: STATE COM N No. 010A            |            |                     |
| Operator: CONOCOPHILLIPS COMPANY                    |            |                     |
| <input type="radio"/> 3004522559                    | E-2-29N-8W | 1670 FNL & 970 FWL  |
| Well Name & Number: STATE COM SRC No. 001A          |            |                     |
| Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP |            |                     |
| <input type="radio"/> 3004527313                    | A-2-29N-8W | 1300 FNL & 890 FEL  |
| Well Name & Number: STATE COM No. 100               |            |                     |
| Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP |            |                     |
| <input type="radio"/> 3004527513                    | K-2-29N-8W | 1700 FSL & 1580 FWL |
| Well Name & Number: FC STATE COM No. 005            |            |                     |
| Operator: CONOCOPHILLIPS COMPANY                    |            |                     |
| <input type="radio"/> 3004529099                    | E-2-29N-8W | 1560 FNL & 980 FWL  |
| Well Name & Number: STATE COM No. 100R              |            |                     |
| Operator: SOUTHLAND ROYALTY CO                      |            |                     |
| <input type="radio"/> 3004529806                    | B-2-29N-8W | 1030 FNL & 1850 FEL |
| Well Name & Number: STATE COM SRC No. 001B          |            |                     |
| Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP |            |                     |
| <input type="radio"/> 3004530622                    | I-2-29N-8W | 1900 FSL & 700 FEL  |
| Well Name & Number: STATE COM N No. 010M            |            |                     |
| Operator: CONOCOPHILLIPS COMPANY                    |            |                     |
| <input type="radio"/> 3004530623                    | N-2-29N-8W | 1095 FSL & 1915 FWL |
| Well Name & Number: STATE COM N No. 010F            |            |                     |
| Operator: CONOCOPHILLIPS COMPANY                    |            |                     |
| <input type="radio"/> 3004533040                    | B-2-29N-8W | 1030 FNL & 1850 FEL |
| Well Name & Number: STATE COM SRC No. 001B          |            |                     |
| Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP |            |                     |

Blanco MV

MV

FC  
FC

DK

DK

12 Records Found

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