NM OIL CONSERVATION

Form 3160-4 (August 2007)

## UNITED STATES DEPARTMENT OF THE INTERIOR

OCD Artesias

FORM APPROVED OMB No. 1004-0137

| BUREAU OF LAND MANAGEMENT WELL COMPLETION OR RECOMPLETION REPORT AND EQUIVED   |   |   |                    |            |                      |                  |              |  |                                   |               |  | Expires: July 31, 2010   |                                    |  |                      |               |  |       |
|--|---|---|--------------------|------------|----------------------|------------------|--------------|--|-----------------------------------|---------------|--|--|------------------------------------|--|----------------------|---------------|--|-------|
|  |   |   |                    |            |                      |                  |              |  |                                   |               |  | 5. Lease Serial No.<br>NMLC029395B   |                                    |  |                      |               |  |       |
| 1a. Type of Well 💆 Oil Well 🔲 Gas Well 🔲 Dry 🔲 Other   |   |   |                    |            |                      |                  |              |  |                                   |               | 6. If Indian, Allottee or Tribe Name             |  |                                    |  |                      |               |  |       |
| b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.   |   |   |                    |            |                      |                  |              |  |                                   |               |  |  |                                    |  |                      |               |  |       |
| Other  2. Name of Operator Contact: EMILY FOLLIS   |   |   |                    |            |                      |                  |              |  |                                   |               |  | 7. Unit or CA Agreement Name and No.   |                                    |  |                      |               |  |       |
| APACHE CORPORATION E-Mail: Emily.Follis@apachecorp.com   |   |   |                    |            |                      |                  |              |  |                                   |               |  | Lease Name and Well No.     LEE FEDERAL 77                                       |                                    |  |                      |               |  |       |
| 3. Address 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79705 3a. Phone No. (include area code) Ph: 432-818-1801 |   |   |                    |            |                      |                  |              |  |                                   |               |  | 9. API Well No.<br>30-015-42401  |                                    |  |                      |               |  |       |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)*                           |   |   |                    |            |                      |                  |              |  |                                   |               |  | <ol> <li>Field and Pool, or Exploratory<br/>CEDAR LAKE: GLORIETA-YESO</li> </ol> |                                    |  |                      |               |  |       |
| At on prod integral raported helow. NWSW 1550FSL 970FWI  |   |   |                    |            |                      |                  |              |  |                                   |               |  | 11. 5  | ec., T., R                         | ., M., o   | Block and Su         | rvey          |  |       |
|  | At top prod interval reported below NWSW 1550FSL 970FWL |   |                    |            |                      |                  |              |  |                                   |               |  |  | 12. County or Parish 13. State     |  |                      |               | -  |       |
| At total depth NWSW 2288FSL 950FWL  14. Date Spudded 15. Date T.D. Reached 16. Date Completed                        |   |   |                    |            |                      |                  |              |  |                                   |               | EDDY COUNTY NM  17. Elevations (DF, KB, RT, GL)* |  |                                    |  |                      |               |  |       |
| 09/05/2014 09/14/2014 D & A 🔞 Ready to Prod. 11/20/2014  |   |   |                    |            |                      |                  |              |  |                                   |               | od.  | 3633 GL  |                                    |  |                      |               |  |       |
| TVD 6413 TVD   |   |   |                    |            |                      |                  |              |  |                                   |               | th Bridge Plug Set: MD<br>TVD                    |  |                                    |  |                      |               |  |       |
| CBL/E  | Electric & Ot<br>BHCS/SGR/                              | CN/PHPL   | /HI-RES LL         |            |                      | opy of ea        | ch)          |  |                                   |               | W  | as D   | ell cored<br>ST run?<br>ional Surv |  | X No<br>X No<br>□ No | ☐ Ye          | s (Submit anal<br>s (Submit anal<br>s (Submit anal | ysis) |
| 23. Casing   | and Liner Re  | cord (Repo  | ort all string     | 1          |                      | Bottor           | n Stage      | e Cemen  | nter                              | No o          | f Sks. &   | _  | Sturry V                           | /01  |                      | _             | T  |       |
| Hole Size  | Size/G  | Grade   | Wt. (#/ft.)        |            | Top Bott<br>(MD) (MI |                  | _            | Depth  |                                   |               | f Cemer  |  | (BBL                               | ' liem   |                      | Top*          | Amount Po  | ılled |
| 17.50  |   | 375 H-40  |                    | 48.0       |                      |                  | 313          |  |                                   |               |  | 375  |                                    |  |                      | 0             |  |       |
|  |   | .625 J-55<br>.500 J-55  | 32.0<br>17.0       | +          | 0 3514<br>0 6472     |                  |              | <del>                                     </del> |                                   | 1650<br>970   |  |  |                                    |  | 1350<br>115          |               |  |       |
| 1.02   | 7.023 3.  |   |                    |            | ~~                   |                  |              |  |                                   |               | 310  |  |                                    |  |                      | 713           |  |       |
|  |   |   |                    |            |                      |                  |              |  | $\Box$                            |               |  |  |                                    |  |                      |               |  |       |
| 24. Tubin  | a Decord  |   |                    | J          |                      |                  | Ш            |  |                                   |               |  |  |                                    |  |                      |               | <u> </u>   |       |
| Size   | Depth Set ()  | et (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) S |                    | Size       | Depth Set (MD) Pac   |                  |              | Packer Depth                                     | (MD)                              |               |  |  |                                    |  |                      |               |  |       |
| 2.875  | 2.875 6250 -  |   |                    |            |                      | l_               |              | I  |                                   |               |  |  |                                    |  |                      |               |  |       |
|  | ing Intervals   |   |                    |            |                      |                  | 26. Perfor   |  |                                   |               |  | Γ  |                                    | T  |                      | <del></del>   | D 4.0  |       |
| A)   | ormation PADI   | роск  | Top I              |            |                      | Bottom P<br>5215 |              |  | rforated Interval<br>4643 TO 5215 |               |  | ├─   | Size N                             |  | lo. Holes<br>28 PADD |               | Perf. Status                                       |       |
| B) BLINBRY   |   |   | 5286               |            |                      | 6250             |              |  | 5286 TO 5800                      |               |  | ┢  | <del></del> -                      |  |                      |               | INBRY -  |       |
| C)   | <del> </del>  |   |                    |            |                      | 5841 TO 6250     |              |  |                                   |               |  |  | 20 BLINBRY                         |  |                      |               |  |       |
| D)   |   |   |                    |            |                      |                  |              |  |                                   |               |  |  |                                    | $\perp$  |                      |               |  |       |
|  | racture, Trea   |   | nent Squeez        | e, Etc.    |                      |                  |              |  | À                                 |               | 'T +4  |  | *==3=3                             |  |                      |               | <del></del>  |       |
|  | Depth Interv  |   | 250 11841 E        | BBL,WA     | TER, 5               | 78,708# F        | PROPANT      |  | Am                                | ount and      | Type of  | ivia   | tenai                              |  |                      | <del></del> - |  |       |
|  |   |   |                    |            |                      |                  |              |  |                                   |               |  |  |                                    | _  |                      |               |  |       |
|  |   |   | +                  |            |                      |                  |              |  |                                   |               |  |  |                                    |  | <u> </u>             | ·<br>         | ·  |       |
| 28, Produc   | tion - Interva  | l A   |                    |            |                      |                  |              |  |                                   |               |  |  |                                    | ĀĈ   | CEPT                 | FD.           | OR RE  | ጎΩ₽ከ  |
|  |   | Hours<br>Tested   | ed Production BBL  |            | BBL MCF<br>75.0 76.0 |                  | Water<br>BBL |  |                                   | ravity<br>API |  | Gas<br>Gravity   |                                    | oducao   | n Method             | <u> </u>      | ON NE  | 70110 |
| 11/20/2014   | 14 12/01/2014 24  |   |                    |            |                      |                  | 264.         |  |                                   | 36.0          |  |  |                                    |  | ELECT                | RIC PUN       | IPING UNIT   |       |
| Choke<br>Size  | Tbg. Press. Flwq. SI                                    |   | 24 Hr.<br>Rate     |            |                      | Gas W<br>MCF B   |              |  | Gas:Oit<br>Ratio                  |               | Wel  | Well Status  |                                    |  | FE                   | EB 1          | 0 2015   |       |
| 28a. Produc  | ction - Interva   | al B  |                    | • · · · ·  |                      |                  | <u>. 1</u>   |  |                                   |               |  |  |                                    |  |                      | elno          | at Na  | 7     |
| Date First<br>Produced   | Test<br>Date  | Hours<br>Tested   | Test<br>Production | Oil<br>BBL | Gas<br>MCF           |                  | Water<br>BBL | Oil Grav<br>Corr. Al                             |                                   |               | Gas<br>Gravity                                   |  |                                    | roduc BUREAU OF LAND MANAGEME<br>CARLSBAD FIELD OFFICE |                      |               | MENT<br>E  |       |
| Choke<br>Size  | Tbg. Press.<br>Flwg.                                    | Csg.<br>Press.  | 24 Hr.<br>Rate     | Oil<br>BBL |                      | as<br>ICF        | Water<br>BBL | Gas<br>Rat                                       | s:Oil<br>tío                      |               | Wel  | Well Status  |                                    |  | ko_                  |               |  |       |

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #285334 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
Reclanation \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*
Due: 6/1//5

| 16h Pro  | luction Inters   | ral C                |   |  |  |                                |   |                         |  |  | <del></del>      | <u></u>   |  |  |  |
|--|--|----------------------|---|--|--|--------------------------------|---|-------------------------|--|--|------------------|---|--|--|--|
| Date First   | . Production - Interval C                                    |                      | Test  | Oil  | Gas  | Water                          | Oil Gravity   | Gas                     | <del></del>                            | Production Method  |                  |   |  |  |  |
| Produced   | Date   | Tested               | Production  | BBL,   | MCF  | BBL.                           | Corr. API   |                         | vity                                   |  |                  |   |  |  |  |
| Choke<br>Size  | Thg. Press.<br>Flwg.<br>SI                                   | Csg.<br>Press.       | 24 Hr.<br>Rate                                      | Oil<br>BBI,  | Gas<br>MCF                                   | Water<br>BBL                   | Gas Oil<br>Ratio                                    | We                      | Il Status                              |  |                  |   |  |  |  |
| 28c. Prod  | luction - Interv   | al D                 |   | L  | <u> —                                   </u> |                                |   |                         |  |  |                  |   |  |  |  |
| Date First<br>Produced   | Test<br>Date   | Hours<br>Tested      | Test<br>Production                                  | Oil<br>BBL   | Gas<br>MCF                                   | Water<br>BBL                   | Oil Gravity<br>Corr. API                            | Gas<br>Gra              |  | Production Method  | ····_            |   |  |  |  |
| Choke<br>Size  | Thg. Press,<br>Flwg.   | Csg.<br>Press        | 24 Hr.<br>Rate                                      |  |  |                                | Gas Oil<br>Ratio                                    | Wel                     | li Status                              | <u></u>  | ··               |   |  |  |  |
|  | sition of Gas(   | Sold, use            | d for fuel, ven                                     | ed, etc.)  | <u> </u>                                     | <del></del>                    |   |                         | -                                      |  |                  |   |  |  |  |
| SOLI<br>30, Sumn   | nary of Porous   | Zones (              | Include Aquife                                      | rs):   |  |                                |   |                         | 31. For                                | mation (Log) Ma  | arkers           |   |  |  |  |
| tests,   |  |                      |   |  |  |                                | d all drill-stem<br>d shut-in pressure              | s                       | }                                      | . •  |                  |   |  |  |  |
|  | Formation  |                      | Тор   | Bottom   |  | Descript                       | ions, Contents, etc                                 |                         |  | Name   |                  | Top<br>Meas. Depth                                  |  |  |  |
| RUSTLER  |  |                      | 299   | 427  | SA   | NDSTON                         |   |                         | RU                                     | STLER  |                  | 299   |  |  |  |
| TANSIL SALT<br>BOTTOM SALT<br>YATES<br>SEVEN RIVERS<br>QUEEN<br>SAN ANDRES<br>GLORIETA |  |                      | 427<br>1297<br>1430<br>1763<br>2395<br>3167<br>4673 | 1297<br>, 1430<br>1763<br>2395<br>3167<br>4673<br>4747 | SA<br>SA<br>SA<br>SA<br>CA                   | LT<br>LT<br>NDSTONI<br>NDSTONI | ,CARBONATE<br>,CARBONATE                            |                         | TAM<br>BO'<br>YA'<br>SEV<br>QUI<br>SAM | NSIL SALT<br>ITOM SALT<br>IES<br>JEN RIVERS<br>EEN<br>N ANDRES<br>DRIETA |                  | 427<br>1297<br>1430<br>1763<br>2395<br>3167<br>4673 |  |  |  |
| PADD<br>BLINE  | опаl remarks (<br>ООСК - 4747<br>ЕВВҮ - 5284<br>5 - 6251 SAN | - 5284 (<br>- 6252 ( | OOLOMITE<br>OOLOMITE                                | dure):   |  |                                |   |                         | <u> </u>                               |  |                  |   |  |  |  |
|  | ,<br>  |                      |   |  |  |                                | ·<br>   |                         |  |  |                  |   |  |  |  |
|  | s (1 full set rec<br>g and cement v                          |                      |   | c Report<br>alysis                                     | 3. DST Report 7 Other:                       |                                |   |                         | 4. Directional Survey                  |  |                  |   |  |  |  |
|  |  |                      |   | · <u>-</u>   |  |                                |   |                         | <del></del>                            |  |                  |   |  |  |  |
| 34. I hereb  | y certify that t   | he forego            | Electro   | onic Submis<br>For A                                   | ssion #2853<br>PACHE C                       | 34 Verific<br>ORPORA           | rrect as determined by the BLM We TION, sent to the | ell Inforn<br>e Carlsba | nation Syst                            | tem.   | ched instruction | ns):  |  |  |  |
| Name (   | please print) (  | EMILY F              |   | mitted to A  | FMSS for <sub>l</sub>                        |                                | BORAH HAM on 01/29/2015 () Title REGULATORY ANALYST |                         |  |  |                  |   |  |  |  |
| tannet   | picuse primi   | 201121               | 02210   |  |  |                                | Thic <u>Fit</u>                                     |                         | OIII AIIA                              |  |                  | <del></del>   |  |  |  |
| Signature (Electronic Submission)  |  |                      |   |  |  |                                | Date <u>12</u>                                      | Date 12/16/2014         |  |  |                  |   |  |  |  |
| Title 18 U.  | S.C. Section 1   | 001 and              | Title 43 U.S.C                                      | . Section 12   | 12, make it                                  | a crime for                    | any person know                                     | ingly and               | willfully to                           | make to any de   | partment or ag   | ency  |  |  |  |
| of the Unit  | ed States any t  | false, fict          | itious or fradu                                     | lent stateme   | nts or repre                                 | sentations :                   | as to any matter wi                                 | ithin its ju            | irisdiction.                           | •  |                  | •   |  |  |  |