

**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 Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
August 1, 2011  
Permit 169292

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

|                                                                                               |  |                               |
|-----------------------------------------------------------------------------------------------|--|-------------------------------|
| 1. Operator Name and Address<br>APACHE CORP<br>303 Veterans Airpark Lane<br>Midland, TX 79705 |  | 2. OGRID Number<br>873        |
| 4. Property Code<br>39734                                                                     |  | 3. API Number<br>30-015-41493 |
| 5. Property Name<br>AB STATE 647                                                              |  | 6. Well No.<br>009            |

**7. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| N        | 32      | 17S      | 28E   | N       | 1080      | S        | 2535      | W        | EDDY   |

**8. Proposed Bottom Hole Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| N        | 32      | 17S      | 28E   | N       | 990       | S        | 2310      | W        | Eddy   |

**9. Pool Information**

|                            |       |
|----------------------------|-------|
| ARTESIA; GLORIETA-YESO (O) | 96830 |
|----------------------------|-------|

**Additional Well Information**

|                           |                            |                                        |                         |                                    |
|---------------------------|----------------------------|----------------------------------------|-------------------------|------------------------------------|
| 11. Work Type<br>New Well | 12. Well Type<br>OIL       | 13. Cable/Rotary                       | 14. Lease Type<br>State | 15. Ground Level Elevation<br>3675 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>5100 | 18. Formation<br>Yeso Formation        | 19. Contractor          | 20. Spud Date                      |
| Depth to Ground water     |                            | Distance from nearest fresh water well |                         | Distance to nearest surface water  |

**21. Proposed Casing and Cement Program**

| Type | Hole Size | Casing Type | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 12.25     | 8.625       | 24               | 400           | 260             |               |
| Prod | 7.875     | 5.5         | 17               | 5100          | 900             |               |

**Casing/Cement Program: Additional Comments**

|  |
|--|
|  |
|--|

**22. Proposed Blowout Prevention Program**

| Type   | Working Pressure | Test Pressure | Manufacturer |
|--------|------------------|---------------|--------------|
| Hydril | 3000             | 2000          |              |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.<br>Signature:<br>Printed Name: Electronically filed by Bobby Smith<br>Title:<br>Email Address: bobby.smith@apachecorp.com<br>Date: 6/27/2013 | <div style="text-align: center;"><b>OIL CONSERVATION DIVISION</b></div> Approved By: Randy Dade<br>Title: District Supervisor<br>Approved Date: 6/27/2013    Expiration Date: 6/27/2015<br>Conditions of Approval Attached |
| Phone: 432-818-1020                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                            |

DISTRICT I  
2125 N. French Dr., Hobbs, NM 88240  
Phone (505) 383-8211 Fax: (505) 383-8720

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811 S. First St., Artesia, NM 88210  
Phone (505) 748-1283 Fax: (505) 748-9728

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone (505) 834-0178 Fax: (505) 748-0170

DISTRICT IV  
1210 S. St. Francis Dr., Santa Fe, NM 87506  
Phone (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised August 1, 2011

Submit one copy to appropriate  
District Office

OIL CONSERVATION DIVISION

1210 South St. Francis Dr.  
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

|                               |                                            |                                              |
|-------------------------------|--------------------------------------------|----------------------------------------------|
| API Number<br><b>30-015-</b>  | Pool Code<br><b>96830</b>                  | Pool Name<br><b>Artesia; Glorieta - Yeso</b> |
| Property Code<br><b>39734</b> | Property Name<br><b>AB STATE 647</b>       | Well Number<br><b>9</b>                      |
| OGRID No.<br><b>873</b>       | Operator Name<br><b>APACHE CORPORATION</b> | Elevation<br><b>3675</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>N</b>      | <b>32</b> | <b>17 S</b> | <b>28 E</b> |         | <b>1080</b>   | <b>SOUTH</b>     | <b>2535</b>   | <b>WEST</b>    | <b>EDDY</b> |

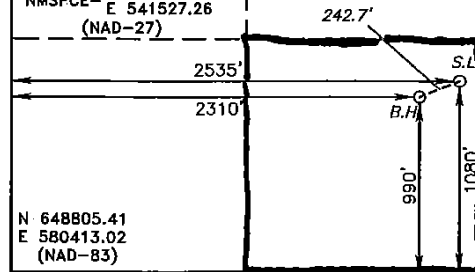
Bottom Hole Location If Different From Surface

| UL or lot No. | Section   | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|-----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>N</b>      | <b>32</b> | <b>17 S</b> | <b>28 E</b> |         | <b>990</b>    | <b>SOUTH</b>     | <b>2310</b>   | <b>WEST</b>    | <b>EDDY</b> |

| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
|-----------------|-----------------|--------------------|-----------|
|                 |                 |                    |           |

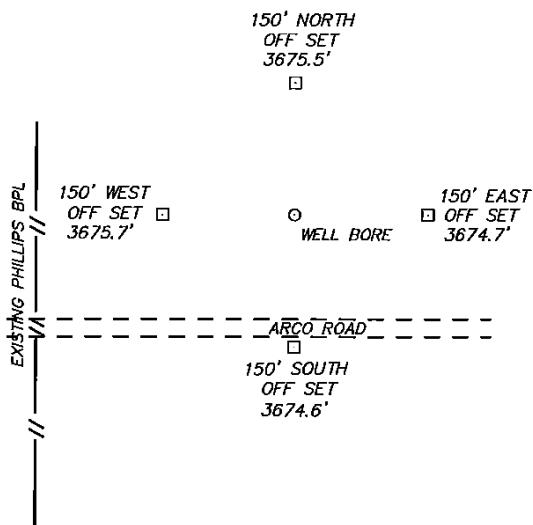
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

|                                                                                                                                                                                                                                     |                         |                                                                                                                                                                                                                                 |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N 654017.13<br>E 580331.75<br>(NAD-83)                                                                                                                                                                                              |                         | N 657060.70<br>E 582941.71<br>(NAD-83)                                                                                                                                                                                          | N 654103.79<br>E 585547.25<br>(NAD-83) | <b>OPERATOR CERTIFICATION</b><br><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i><br><br><u>Kristina Agee</u> 6/27/13<br>Signature Date<br><u>Kristina Agee</u><br>Printed Name<br><u>Kristina.agee@apachecorp.com</u><br>Email Address |
|                                                                                                                                                                                                                                     |                         |                                                                                                                                                                                                                                 |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>BOTTOM HOLE LOCATION</b><br>Lat - N 32°47'10.96"<br>Long - W 104°11'55.43"<br>NMSPCE- N 649841.16<br>E 582706.43<br>(NAD-83)<br>Lat - N 32°47'10.52"<br>Long - W 104°11'53.54"<br>NMSPCE- N 649779.23<br>E 541527.26<br>(NAD-27) | 32.786256<br>104.198206 | <b>SURFACE LOCATION</b><br>Lat - N 32°47'11.89"<br>Long - W 104°11'52.81"<br>NMSPCE- N 649935.62<br>E 582929.90<br>(NAD-83)<br>Lat - N 32°47'11.46"<br>Long - W 104°11'50.92"<br>NMSPCE- N 649872.69<br>E 541750.73<br>(NAD-27) | N 651507.35<br>E 585577.67<br>(NAD-83) | <b>SURVEYOR CERTIFICATION</b><br><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i><br><br><br>Date Surveyed<br>Signature & Title of Professional Surveyor<br>Certificate No. Gary L. Jones 7977<br>BASIN SURVEYS 28805                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                     |                         |                                                                                                                                                                                                                                 |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

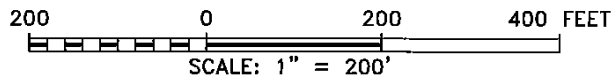


SECTION 32, TOWNSHIP 17 SOUTH, RANGE 28 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.

APACHE CORPORATION  
AB STATE 647 #9  
ELEV. - 3675  
SURFACE LOCATION  
Lat - N 32°47'11.89"  
Long - W 104°11'52.81"  
NMSPCE- N 649935.62  
E 582929.90  
(NAD-83)  
Lat - N 32°47'11.46"  
Long - W 104°11'50.92"  
NMSPCE- N 649872.69  
E 541750.73  
(NAD-27)



WELL IS LOCATED ±12 MILES SOUTHEAST OF ARTESIA, NEW MEXICO.



Directions to Location:

FROM ILLINOIS CAMP AND ARCO ROAD GO EAST 0.2  
MILES TO PROPOSED LOCATION.

**BASIN SURVEYS** P.O. BOX 1786—HOBBS, NEW MEXICO

W.O. Number: 28805 Drawn By: D. JONES

Date: 06-12-2013 Disk: DAJ 28805

**APACHE CORPORATION**

REF: AB STATE 647 #9/ WELL PAD TOPO

THE AB STATE 647 #9 LOCATED 1080'  
FROM THE SOUTH LINE AND 2535' FROM THE WEST LINE OF  
SECTION 32, TOWNSHIP 17 SOUTH, RANGE 28 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 06-06-2013 Sheet 1 of 1 Sheets

## Permit Conditions of Approval

**Operator:** APACHE CORP , 873

**Well:** AB STATE 647 #009

**API:** 30-015-41493

| OCD<br>Reviewer | Condition                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RDADE           | Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines                                                                                                                |
| RDADE           | Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string |