

**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

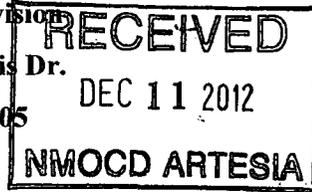
**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Form C-101  
Revised November 14, 2012

Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505



AMENDED REPORT

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

|   |   |   |
|---|---|---|
| <sup>1</sup> Operator Name and Address<br>Apache Corporation<br>303 Veterans Airpark Lane, Suite 3000<br>Midland, Texas 79705 |   | <sup>2</sup> OGRID Number<br>873        |
| <sup>4</sup> Property Code<br>39641   | <sup>3</sup> Property Name<br>Washington 34 State SWD | <sup>5</sup> API Number<br>30-015-41009 |
|   |   | <sup>6</sup> Well No.<br>2              |

<sup>7</sup> Surface Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet from | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| N        | 34      | 17S      | 28E   | N       | 590       | South    | 1705      | West     | Eddy   |

<sup>8</sup> Proposed Bottom Hole Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet from | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
|          |         |          |       |         |           |          |           |          |        |

<sup>9</sup> Pool Information

~~SWD; DEV-FUS-MON-SIMP-ELL~~  
Pool Name: SWD-Ellenburger SWD-Devonian = 97775

Additional Well Information

|                                    |   |   |                               |  |
|------------------------------------|---|---|-------------------------------|--|
| <sup>11</sup> Work Type<br>N       | <sup>12</sup> Well Type<br>S            | <sup>13</sup> Cable/Rotary<br>R                   | <sup>14</sup> Lease Type<br>S | <sup>15</sup> Ground Level Elevation<br>3,662' |
| <sup>16</sup> Multiple<br>N        | <sup>17</sup> Proposed Depth<br>12,700' | <sup>18</sup> Formation<br>Devonian & Ellenburger | <sup>19</sup> Contractor      | <sup>20</sup> Spud Date                        |
| Depth to Ground water 300' or less |   | Distance from nearest fresh water well            |                               | Distance to nearest surface water              |

<sup>21</sup> Proposed Casing and Cement Program

| Type         | Hole Size | Casing Size | Casing Weight/ft  | Setting Depth | Sacks of Cement | Estimated TOC |
|--------------|-----------|-------------|-------------------|---------------|-----------------|---------------|
| Surface      | 17 1/2"   | 13 3/8"     | 48# H-40          | 500'          | 580 Sx.         | Surface       |
| Intermediate | 12 1/4"   | 9 5/8"      | 40# J-55          | 4,500'        | 1400 Sx.        | Surface       |
| Production   | 8 3/4"    | 7"          | 26# L-80 & HCL-80 | 12,700'       | 1100 Sx. *      | 3,000'        |

Casing/Cement Program: Additional Comments

\*7" casing stage cemented. 1<sup>st</sup> Stage-280 Sx. 2<sup>nd</sup> Stage-820 Sx. DV Tool setting depth: 11,000'

<sup>22</sup> Proposed Blowout Prevention Program

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

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.  
I further certify that I have complied with 19.15.14.9 (A) NMAC  and/or 19.15.14.9 (B) NMAC , if applicable.

Signature: David Catanach

Printed name: David Catanach

Title: Agent-Apache Corporation

E-mail Address: drcatanach@netscape.com

Date: 12/2/2012

Phone: (505) 690-9453

OIL CONSERVATION DIVISION

Approved By:

L. C. Shepard  
Geologist

Title:

Approved Date: 1/23/2013

Expiration Date: 1/23/2015

Conditions of Approval Attached





**DESIGN PLAN, OPERATING & MAINTENANCE PLAN, & CLOSURE PLAN  
FOR OGD FOR C-144  
Washington 34 State SWD No. 2**

**DESIGN PLAN**

Fluid & cuttings coming from drilling operations will pass over the Shale Shaker with the cuttings going to the Sundance Inc / CRI haul off bin and the cleaned fluid returning to the working steel pits.

Equipment includes:

- 2 - 500 bbl steel frac tanks (fresh water for drilling)
- 2 - 180 bbl steel working pits
- 3 - 75 bbl steel haul off bins
- 2 - Pumps (6-1/2" x 10" PZ 10 or equivalent)
- 1 - Shale shaker
- 1 - Mud cleaner - QMAX MudStripper

**OPERATING AND MAINTENANCE PLAN**

Inspection to occur every tour for proper operation of system and individual components. If any problems are found they will be repaired and/or corrected immediately.

**CLOSURE PLAN**

All haul bins containing cuttings will be removed from location and hauled to Sundance Incorporated (NM-01-0003) disposal site located 3 miles East of Eunice, NM on the Texas border / Controlled Recovery, Inc's (NM-01-0006) disposal site located near mile marker 66 on Highway 62/180.

Susan Blakemore  
Drilling Tech