

District I  
1625 N French Dr, Hobbs, NM 88240  
District II  
1301 W Grand Avenue, 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  
Oil Conservation Division  
JUL 02 2008 220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-101  
May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address Apache Corporation 6120 S Yale Ave, Suite 1500 Tulsa, OK 74136-4224		<sup>2</sup> OGRID Number 00873
<sup>3</sup> Property Code 35591		<sup>4</sup> API Number 30-025-20358
<sup>5</sup> Property Name Apache State Q	<sup>6</sup> Well No 004	
<sup>9</sup> Proposed Pool 1 Eunice Monument; Grayburg-San Andres		<sup>10</sup> Proposed Pool 2

### 7 Surface Location

UL or lot no I	Section 16	Township 20S	Range 37E	Lot Idn	Feet from the 1980	North/South line South	Feet from the 660	East/Westline East	County Lea
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### 8 Proposed 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/Westline	County
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### Additional Well Information

<sup>11</sup> Work Type Code P	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3550' DF
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 5065' PBTD	<sup>18</sup> Formation Grayburg	<sup>19</sup> Contractor	<sup>20</sup> Spud Date OPEN
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner, Synthetic <input type="checkbox"/> mlst thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: _____ Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

### 21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	9-5/8"	36# & 32.3#	1210'	462	TOC - circ
8-3/4"	7-5/8"	29.7# & 26.4#	3792'	850	TOC - 2074' TS
6-3/4"	5-1/2"	17# & 15.5#	3703 - 6580'	300	Liner

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Current Profile: This well is temporarily abandoned with CIBP @ 5065', set in 2005.

Paddock perforations fr/ 5136-5187', below CIBP.

Blincy perforations fr/ 5660-5733', below CIBP.

Tubb perforations fr/ 6306-6555', below CIBP.

Apache proposes to recomplete this well to the Grayburg via the following procedure:

1. MIRU pulling unit. CO to PBTD' @ +/- 5065'.
2. Run logs from PBTD to +/- 3000'.
3. Perforate Grayburg at interval selected by engineer.
4. Acidize and fracture stimulate Grayburg if needed.
5. Place well on production from Grayburg

**Permit Expires 2 Years From Approval**

**Date Unless Drilling Underway**

*Plugback*

<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 the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name. Sophie Mackay

Title Engineering Tech

E-mail Address sophie.mackay@apachecorp.com

Date 07/01/2008

Phone. (918)491-4864

### OIL CONSERVATION DIVISION

Approved by.

*Chris Williams*

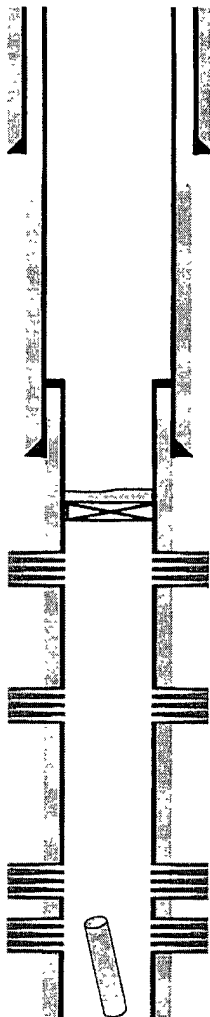
Title: **OC DISTRICT SUPERVISOR/GENERAL MANAGER**

Approval Date **JUL 03 2008** Expiration Date

Conditions of Approval Attached ☐

# Current

Apache State Q #4  
API - 30-025-20358  
1980' FSL & 660' FEL  
Sec. 16 T-20S R-37E  
Lea County, New Mexico  
Spud Date - 1963



TD: 6580'

Surface Casing (12-1/4" Hole)  
9-5/8" @ 1210' 462 sx cmt.

TOC @ 2074 (Temp svy 1963)

TOL @ 3703

Intermediate Casing (8-3/4" Hole)  
7-5/8" @ 3792' 850 sx cmt.

CIBP @ 5065' Set 2005

Paddock Perfs @ 5136 - 5187

Blinebry Perfs @ 5660 - 5733

Tubb Perfs @ 6306 - 6555

TOF @ 6420' Left in hole: 5/2000

Production Liner (6-3/4" Hole)  
5-1/2" 3703' - 6580' 300 sx cmt

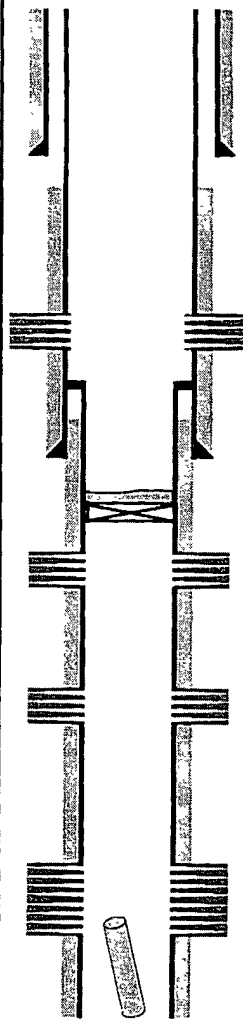
## Completions

Date	Zone	Interval(s)
Dec-63	Tubb	6502 - 6555 (14 holes)
Dec-68	Tubb	6470 - 6498 (12 holes)
May-74	Paddock	5134 - 5181 (15 holes) (squeezed 2000)
May-00	Tubb	6306 - 6444
May-00	Blinebry	5660 - 5666, 5724 - 5733 (45 holes)
Aug-00	Paddock	5136 - 5187

Created by  
SS June 11 2008

# Proposed

Apache State Q #4  
API - 30-025-20358  
1980' FSL & 660' FEL  
Sec. 16 T-20S R-37E  
Lea County, New Mexico  
Spud Date - 1963



TD: 6580'

Surface Casing (12-1/4" Hole)  
9-5/8" @ 1210' 462 sx cmt.

TOC @ 2074 (Temp svy 1963)

Grayburg Perfs (TBD)

TOL @ 3703

Intermediate Casing (8-3/4" Hole)  
7-5/8" @ 3792' 850 sx cmt.

CIBP @ 5065' Set 2005

Paddock Perfs @ 5136 - 5187

Blinbry Perfs @ 5660 - 5733

Tubb Perfs @ 6306 - 6555

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## Completions

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May-00	Blinbry	5660 - 5666, 5724 - 5733 (45 holes)
Aug-00	Paddock	5136 - 5187
2008	Grayburg	TBD

Created by  
SS June 11 2008

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

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

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-025-20358		'Pool Code 23000		'Pool Name Eunice Monument; Grayburg-San Andres	
'Property Code 35591		'Property Name Apache State Q			'Well Number 004
'OGRID No. 00873		'Operator Name Apache Corporation			'Elevation 3550' DF

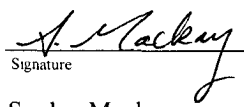
<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	16	20S	37E		1980	South	660	East	Lea

<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				
<table border="1"> <tr> <td>" Dedicated Acres 40</td> <td>" Joint or Infill</td> <td>" Consolidation Code</td> <td>" Order No.</td> </tr> </table>										" Dedicated Acres 40	" Joint or Infill	" Consolidation Code	" Order No.
" Dedicated Acres 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.

16					<sup>17</sup> <b>OPERATOR CERTIFICATION</b> <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>  Signature 06/30/2008 Date Sophie Mackay Printed Name
					<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> <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>
					Date of Survey Signature and Seal of Professional Surveyor.  Certificate Number