

## 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

Form C-101

June 16, 2008

RECEIVED

AUG 06 2010

HOBBSOCD

## Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

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 Corp 303 Veterans Airpark Ste 3000 Midland TX 79705		<sup>2</sup> OGRID Number 873
		<sup>3</sup> API Number 30 - 025-37609
<sup>4</sup> Property Code 34816	<sup>5</sup> Property Name New Mexico State <i>S</i>	<sup>6</sup> Well No. 49
<sup>9</sup> Proposed Pool 1 Eunice; San Andres, South (24170)		<sup>10</sup> Proposed Pool 2 Penrose Skelly; Grayburg (50350)

<sup>7</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
F	2	22S	37E		2310	North	2310	West	Lea

<sup>8</sup> 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/West line	County

## Additional Well Information

<sup>11</sup> Work Type Code ROA <i>A</i>	<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 3661'
<sup>16</sup> Multiple	<sup>17</sup> Proposed Depth 4650'	<sup>18</sup> Formation San Andres	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 1/24/06

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
NC					

<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.

Apache would like to recompleate the Grayburg, per the following procedure with the intent of DHC with the San Andres.

- 1) Set CBP @ 4150'
- 2) Perforate and acidize San Andres
- 3) Set CBP @ 3840'
- 4) Perforate, acidize and frac Grayburg
- 5) DO CBP's @ 3840' & 4150'
- 6) Commingle San Andres and Grayburg; upon approval

**Permit Expires 2 Years From Approval  
Date Unless Drilling Underway**

*Adding*

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

*Reesa Holland*

Printed name: Reesa Holland

Title. Sr. Engineering Tech

E-mail Address: Reesa.Holland@apachecorp.com

Date: 08/02/2010

Phone: 432/818-1062

## OIL CONSERVATION DIVISION

Approved by:

*[Signature]*

Title: PETROLEUM ENGINEER

Approval Date: AUG 12 2010

Expiration Date:

## Oil Conservation Division

Conditions of approval : Approval for drilling/workover ONLY--- CANNOT produce Downhole Commingled until DHC is approved in Santa Fe.

1625 N. FRENCH DR., HOBBS, NM 88240

RECEIVED

**Energy, Minerals and Natural Resources Department**

Form C-102

Revised JUNE 10, 2003

**Submit to Appropriate District Office**

**State Lease - 4 Copies**

**Fee Lease - 3 Copies**

## DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

## OIL CONSERVATION DIVISION

AUG 06 2010

1220 SOUTH ST. FRANCIS DR.

**Santa Fe, New Mexico 87505**

### DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87416

# WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-37609	Pool Code 50350	Pool Name PENROSE SKELLY; GRAYBURG
Property Code 34816	Property Name NEW MEXICO STATE	Well Number 49
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3361'

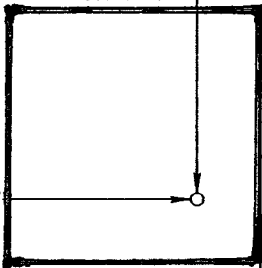
### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	2	22-S	37-E		2310	NORTH	2310	WEST	LEA

## 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
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**

LOT 4	LOT 3	LOT 2	LOT 1
39.78 AC	39.76 AC 2310'	39.76 AC	39.74 AC
			
		<p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=519187.2 N X=869960.0 E</p> <p>LAT.=32°25'17.95" N LONG.=103°08'03.88" W</p>	

OPERATOR CERTIFICATION

I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.

Reesa Holland

Signature

REESEA HOLLAND

Printed Name

SR ENGR TECH

Title

8/4/10

Date

SURVEYOR CERTIFICATION

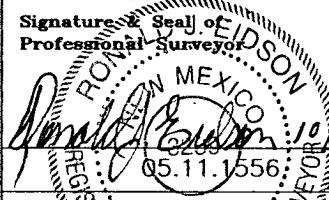
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 7, 2005

Date Surveyed

LA

Signature & Seal of Professional Surveyor



Certificate No. RONALD J. EIDSON 3239

RECEIVED

State of New Mexico

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

Revised JUNE 10, 2003

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-37609		Pool Code 24170	Pool Name EWWILE; SAN ANDRES, SOUTH
Property Code 34816	Property Name NEW MEXICO STATE S		Well Number 49
OGRID No. 873	Operator Name APACHE CORPORATION		Elevation 3361'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	2	22-S	37-E		2310	NORTH	2310	WEST	LEA

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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

<p>LOT 4</p> <p>LOT 3</p> <p>LOT 2</p> <p>LOT 1</p> <p>39.78 AC</p> <p>39.76 AC</p> <p>39.76 AC</p> <p>39.74 AC</p> <p>2310'</p> <p>2310'</p> <p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=519187.2 N X=869960.0 E</p> <p>LAT.=32°25'17.95" N LONG.=103°08'03.88" W</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Reesa Holland</i> Signature</p> <p>REESA HOLLAND Printed Name</p> <p>SR ENGR TECH Title</p> <p>8/4/10 Date</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>OCTOBER 7, 2005</p> <p>Date Surveyed</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p>RONALD E. EDSON</p> <p>05.11.1556</p> <p>Certificate No. RONALD E. EDSON 3239</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------