

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

**RECEIVED** State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
June 16, 2008

OCT 30 2009

HOBBSSOCD

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: 6120 S Yale Ave, Suite 1500, Tulsa, OK 74136-4224		<sup>2</sup> OGRID Number 873
		<sup>3</sup> API Number 30 - 025-36478
<sup>4</sup> Property Code 23113	<sup>5</sup> Property Name State C Tract 12	<sup>6</sup> Well No. 015
<sup>9</sup> Proposed Pool 1 Hare; San Andres, East		<sup>10</sup> Proposed Pool 2

**7 Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	16	21S	37E		1240	North	1400	West	Lea

**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/West line	County

**Additional Well Information**

<sup>11</sup> Work Type Code A	<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 3480'
<sup>16</sup> Multiple Yes	<sup>17</sup> Proposed Depth 4725' TD	<sup>18</sup> Formation Grayburg/San Andres	<sup>19</sup> Contractor Open	<sup>20</sup> Spud Date Open

**21 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.

This well was completed to the San Andres 2/2004. It was plugged back to the Grayburg 6/2004 and has been producing Grayburg ever since. Apache proposes to remove the plug over the San Andres and commingle both zones.

1. MIRU PU. POOH w/ rods and pump.
2. POOH RBP @ 4020'.
3. RIH w/ tubing to 4170'.
4. RIH w/ rods and pump.
5. Return to production Grayburg/San Andres.

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

Administrative Application for DHC has been submitted to Santa Fe and a copy provided to the Commissioner of Public Lands.

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

Signature

*Sophie Mackay*

Printed name: Sophie Mackay

Title: Engineering Technician

E-mail Address: sophie.mackay@apachecorp.com

Date: 10/28/2009

Phone: 918-491-4864

**OIL CONSERVATION DIVISION**

Approved by

*[Signature]*

Title:

**PETROLEUM ENGINEER**

Approval Date: NOV 09 2009

Expiration Date:

**Oil Conservation Division**

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

# WELL DATA SHEET

Last Update: 10-14-09

Lease Name: State C Tract 12 #15

API No: 30-025-36478

Location: Unit C, Sec. 16, T-21S, R-37E

1240' FNL  
1400' FNL

County: Lea

ST: NM

Spud Date: 1-26-04 Well Elev: 3480' GL 10' KB

TD Date: 2-2-04 Completion Date: 2-25-04

TD: 4725' PBTD: 4020' (RBP) TOC: 180'

Csg Size: 8-5/8" Wt: 24# Grd: J-55 Dpth: 426' Cmt: 375 sx (circ)

Producing Formation: Grayburg

Perfs: From 3790' to 3978' 1/spf to

to /spf to

IP: 52 BOPD 196 BWPD 122 MCF/D 35° API

Well History: (See Attached)

Top Grayburg 3772'

Grayburg

3790'-92',  
3837'-39', 80'-82',  
3912'-14', 416'-48',  
61'-65', 76'-78'

\* has retrieving  
head on  
tbg  
(6/14/04)

1 1/2

RBP @ 4020'

TOP San Andres  
3982'

SA

4092 - 4102'

4152 - 60'

SA

4204 - 14'

CIBP @ 4200'  
2 sx cmt

TD: 4725'

## Well Equipment:

Pumping Unit: 456

Motor Type: HP: POC:

Tbg: 122 Jts 2-7/8 Size J-55 Grade

MA @ SN @ 3981 TAC @

Rods:

Pump:

Csg Size: 5-1/2" Wt: 17# Grd: J-55 Dpth: 4725' Cmt: 1600 sx (circ)

## District I

1625 N. French Dr., Hobbs, NM 88240

## District II

1301 W. Grand Avenue, Artesia, NM 88210

## District III

1000 Rio Brazos Rd., Aztec, NM 87410

## District IV

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

## State of New Mexico

Minerals &amp; 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

<sup>1</sup> API Number 30-025-36478	<sup>2</sup> Pool Code 50350	<sup>3</sup> Pool Name Penrose Skelly; Grayburg
<sup>4</sup> Property Code 23113	<sup>5</sup> Property Name State C Tract 12	<sup>6</sup> Well Number 015
<sup>7</sup> OGRID No. 873	<sup>8</sup> Operator Name Apache Corporation	<sup>9</sup> Elevation 3480' GR

<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
C	16	21S	37E		1240	North	1400	West	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
<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. NSL-4957						

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.

<sup>16</sup> 	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> 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 <div style="display: flex; justify-content: space-between;"> <div> </div> <div>10/28/2009</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Signature</div> <div>Date</div> </div> <div>Printed Name Sophie Mackay</div>			
	<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> 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.			
	Date of Survey Signature and Seal of Professional Surveyor  Certificate Number			

1625 N. French Dr., Hobbs, NM 88240

1301 W. Grand Avenue, Artesia, NM 88210.

1000 Rio Brazos Rd., Aztec, NM 87410

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

State of New Mexico

Energy, Minerals &amp; 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

<sup>1</sup> API Number 30-025-36478		<sup>2</sup> Pool Code 96601	<sup>3</sup> Pool Name Hare; San Andres, East
<sup>4</sup> Property Code 23113	<sup>5</sup> Property Name State C Tract 12		<sup>6</sup> Well Number 015
<sup>7</sup> OGRID No. 873	<sup>8</sup> Operator Name Apache Corporation		<sup>9</sup> Elevation 3480' GR

<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
C	16	21S	37E		1240	North	1400	West	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
<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code		<sup>15</sup> Order No. NSL- 4957-B					

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.

<div>16</div> <div><div>1400'</div><div>1240'</div></div>				<div>17</div> <div>OPERATOR CERTIFICATION</div> <div>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.</div> <div><div><div><div>S. Mackay</div><div>Signature</div></div><div><div>10/28/2009</div><div>Date</div></div></div><div><div>Sophie Mackay</div><div>Printed Name</div></div></div>
				<div>18</div> <div>SURVEYOR CERTIFICATION</div> <div>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.</div>
				<div>Date of Survey</div> <div>Signature and Seal of Professional Surveyor</div> <div>Certificate Number</div>