District III

District IV

1625 N French Dr , Hobbs, NM 8824 District II

State of New Mexico Energy Minerals and Natural Resources

Form C-101 June 16, 2008

1301 W Grand Avenue, Artesia, NM

1000 Rio Brazos Road, Aztec, NM 8

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

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 Operator Name and Address **Apache Corporation** API Number 025-37607 Property Name Well No. Property Code

34816 New Mexico S State 47 9 Proposed Pool 1 10 Proposed Pool 2 Penrose Skelly; Grayburg (50350)

<sup>7</sup> Surface Location

UL or lot no Section Township Range Lot Idn E 2 22S 37E	Feet from the North/South line 1830 North	Feet from the East/West line 440 West	County Lea
---	---	---------------------------------------	------------

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

 Proposed Bottom Flore Escation in 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 OIl	<sup>13</sup> Cable/Rotary	14 Lease Type Code S	<sup>15</sup> Ground Level Elevation 3368'
<sup>16</sup> Multiple	<sup>17</sup> Proposed Depth	<sup>18</sup> Formation	<sup>19</sup> Contractor	<sup>20</sup> Spud Date
<b>Yes</b>	<b>4160' (CIBP)</b>	Grayburg/San Andres	<b>Open</b>	Open

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24#	412'		Surface
7-7/8"	5-1/2"	17#	4670'		84'

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 is currently producing from the San Andres. Apache requests to recomplete to the Grayburg and downhole commingle both zones.

- 1. MIRU workover unit. POOH w/rods and tubing.
- 2. CO to PBTD @ 4160'
- 3. Set composite BP @ ~3850'.
- 4. Perforate and stimulate the Grayburg.
- 5. CO fill, Drill out CBP
- 6. TIH w/production equipment, produce well from Grayburg and San Andres.

Permit Expires 2 Years From Approval Date Unless Drilling Underway

23 I hereby certify that the information given above is true and of my knowledge and belief.	OIL CONSERVATION DIVISION
Signature MMU COOLE	Approved by.
Printed name Amber Cooke	Title PETROLEUM ENGINEER
Title Engineering Tech	Approval Date: DEC 0 9 2009 Expiration Date:
E-mail Address amber.cooke@apachecorp.com	
Date 11/20/2009 Phone 918,491.49	Oil Conservation Division Conditions of approval: Approval for drilling/workover

NLY--- CANNOT produce Downhole Commingled until DHC is approved in Santa Fe.

Distri	ıı
--------	----

State of New Mexico

Form C-102 Revised October 12, 2005

District II

District I
1625 N. French Dr., Hobbs, NM 88240 Mars Minerals & Natural Resources Department OIL CONSERVATION DIVISION

Submit to Appropriate District Office

District III

1301 W. Grand Avenue, Artesia, NM 88210

1220 South St. Francis Dr.

State Lease - 4 Copies Fee Lease - 3 Copies

1000 Rio Brazos Rd., Aztec, NM 87410

Santa Fe NM 87505

District IV 1220 S. St. Francis	Dr., Santa F				Sama TC, IN	W 67505		[	□ аме	NDED RI	EPORT
		W	ELL LO	OCATIO	N AND ACE	REAGE DEDIC	CATION PLA	T			
30-025-3760	API Number	ŗ	50350	<sup>2</sup> Pool Code	l l	ose.Skelly, Grayb	³ Pool Na urg	me			
'Property 6	Code	New Mexic	o S State	)	<sup>5</sup> Property	Name			47	Vell Number	
<sup>7</sup> OGRID 873	No.	Apache Co	rporation	l	8 Operator	Name			3372'	Elevation	
					<sup>10</sup> Surface	Location					
UL or lot no.	Section 2	Township 22S	Range 37E	Lot Idn	Fect from the	North/South line North	Feet from the	East West	t/West line	Lea	County
			11 B	ottom Ho	le Location I	f Different From	n Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Eas	t/West line		County
Dedicated Acres	<sup>13</sup> Joint of	r Infill 14 Co	nsolidation	Code 15 Or	der No.	1	<u> </u>	<u> </u>			

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 1 1930		17 OPERATOR CERTIFICATION  I hereby certify that the information contained herem 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 herefolgore entered by the division
4401		Signature Date  Amber Cooke  Printed Name
		18 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
		Date of Survey Signature and Seal of Professional Surveyor  Certificate Number

District	¥

State of New Mexico 1625 N. French Dr., Hobbs, NM 88249 C Minerals & Natural Resources Department

NOV 2 4 7009 LOONSERVATION DIVISION 1301 W. Grand Avenue, Artesia, NM 88210 District III

1000 Rio Brazos Rd., Aztec, NM 87410

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

District IV

Form C-102 Revised October 12, 2005 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

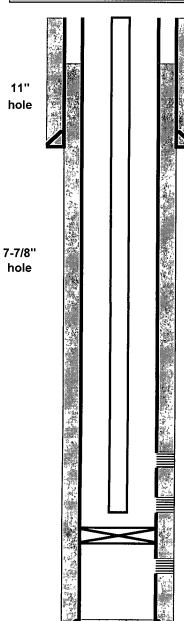
r., Santa Fe	e, NM 87505	5					□ A	MENDED R	EPORT
	7	WELL LO	OCATIO:	N AND ACE	REAGE DEDIC	CATION PLA	T		
PI Number		24170		<b>I</b>	ce; San Andres, S		me		
Property Code SPro New Mexico S State					Name		47	Well Number	
0.	Apache (	Corporation	l	* Operator	Name		3372	<sup>9</sup> Elevation	
				10 Surface	Location				
Section 2	Township 22S	Range 37E	Lot Idn	Feet from the	North/South line North	Feet from the	East/West	Lea	County
		<sup>11</sup> Bo	ottom Ho	le Location I	f Different Froi	n Surface		•	
Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West	ine	County
" Joint or	Infill	Consolidation	Code 15 Or	der No.	1	<u> </u>		1	
	PI Number ode  Section  Section	New Meson Section Township 22S	New Mexico S State  New Mexico S State  Apache Corporation  Section Township Range 2 22S 37E  11 Bo  Section Township Range	WELL LOCATIO  Pl Number  Pl Number  Pl Number  Pl Number  Pl New Mexico S State  Pl New Mex	WELL LOCATION AND ACE 24170 Property  de New Mexico S State  New Mexico S State  Apache Corporation  10 Surface  Section Township Range Lot Idn Feet from the 22S 37E  11 Bottom Hole Location I  Section Township Range Lot Idn Feet from the 1830	WELL LOCATION AND ACREAGE DEDIC PI Number 24170 Eunice; San Andres, S  ode New Mexico S State  New Mexico S State  Apache Corporation  Section Township Range Lot Idn Feet from the North/South line 22 25 37E  10 Surface Location  North  North  11 Bottom Hole Location If Different From Section Township Range Lot Idn Feet from the North/South line  12 Section Township Range Lot Idn Feet from the North/South line	WELL LOCATION AND ACREAGE DEDICATION PLA  PI Number 24170 Eunice; San Andres, South  The section Township 22 37E Lot Idn Feet from the North/South line Range Lot Idn Feet from the North/South line Feet from the Feet from the North/South line Feet f	WELL LOCATION AND ACREAGE DEDICATION PLAT  Pl Number	WELL LOCATION AND ACREAGE DEDICATION PLAT  Pl Number 24170 Eunice; San Andres, South  de New Mexico S State  New Mexico S State  On Apache Corporation  Section Township 22S 37E Lot Idn 1830 North  1830 North 440 West Lea  11 Bottom Hole Location If Different From Surface  Section Township Range Lot Idn Feet from the North/South line Add West Lea  12 Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line Ready Ready Lot Idn Feet from the North/South line Feet from the East/West line Ready

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   0 40		17 OPERATOR CERTIFICATION  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 folimtary pooling agreement or a compulsory pooling order heretopre entered by the division.
47 •50 440'		Sugnature Date  Amber Cooke  Printed Name
		18 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.
		Date of Survey Signature and Seal of Professional Surveyor

Apache Corporation						
Co. Rep Well Name	Hal Hogsett NM State S	- Well No.	47			
Field API	Eunice; San Andres South 30-025-37607	-				
County State	Lea New Mexico	-				
Date GL	10/12/2009 3,372'	-				
KB	3,383'	-				

Casing	O.D.	Grade	Wt	Depth	Sacks	TOC
Surf	8-5/8"	J-55	24#	412'	300	Surf
Inter						
Prod	5-1/2"	J-55	17#	4,670'	1,150	84'
Liner						



TOC @ surf

Depth	Description
3,582'	Marker Joint
4,160'	CIBP
4,623'	Float Collar

TOC @ 84'

2-7/8" tbg set @ 4,114'

GB 3,629' - 3,782' (2 JSPF, 68 shots)

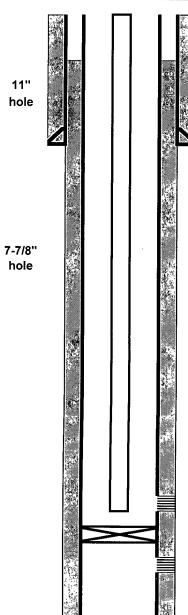
UP SA 3,852' – 4,086' (2 JSPF, 129 shots)

LO SA 4,185' – 4,230' (2 JSPF, 75 shots)

PBTD @ 4,160' TD @ 4,670'

Apache Corporation			
Co. Rep	Hal Hogsett	_	
Well Name	NM State S	Well No.	47
Field	Eunice; San Andres South		
API	30-025-37607	_	
County	Lea	_	
State	New Mexico	_	
Date	10/12/2009	<b>-</b>	
GL	3,372'	_	
KB	3,383'		

Casing	O.D.	Grade	Wt	Depth	Sacks	тос
Surf	8-5/8"	J-55	24#	412'	300	Surf
Inter						
Prod	5-1/2"	J-55	17#	4,670'	1,150	84'
Liner						



TOC @ surf

Depth	Description
3,582'	Marker Joint
4,160'	CIBP
4,623'	Float Collar

TOC @ 84'

2-7/8" tbg set @ 4,114'

UP SA 3,852' – 4,086' (2 JSPF, 129 shots)

LO SA 4,185' – 4,230' (2 JSPF, 75 shots)

PBTD @ 4,160' TD @ 4,670'