

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 87504

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State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-101  
June 16, 2008

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		<sup>2</sup> OGRID Number 873
		<sup>3</sup> API Number 30 - 025-06396
<sup>4</sup> Property Code 23112	<sup>5</sup> Property Name Southland Royalty A	<sup>6</sup> Well No. 4
<sup>9</sup> Proposed Pool 1 Eunice; Blinebry-Tubb-Drinkard, North		<sup>10</sup> Proposed Pool 2

**7 Surface Location**

UL or lot no P	Section 4	Township 21S	Range 37E	Lot Idn	Feet from the 660	North/South line South	Feet from the 660	East/West line 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/West line	County
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**Additional Well Information**

<sup>11</sup> Work Type Code XP	<sup>12</sup> Well Type Code I	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3466'
<sup>16</sup> Multiple Yes	<sup>17</sup> Proposed Depth 6670' PBDT	<sup>18</sup> Formation Blinebry/Drinkard	<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					

Permit Expires 2 Years From Approval  
Date Unless Drilling Underway  
Plugback

<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 is currently producing from the Grayburg w/Drinkard behind plug.

Apache proposes to convert this well to the Blinebry/Drinkard and squeeze off the Grayburg per Exhibit A to OCD Order-R-12981-A.

1. MIRU. POOH w/prod equipment.
2. Isolate and squeeze Grayburg perms fr/3891' - 4007'.
3. DO cmt and CIBP @ 5725'. CO well to Model D pkr @ 6454'. POOH. RIH w/CBP @ +/-6450'.
4. RIH w/cmt retainer to +/- 6100'. Squeeze Tubb perms. DO retainer and cmt to 6400'.
5. DO CBP. Mill over Model D pkr POOH w/pkr. Perf Blinebry interval @ +/- 5700' - 5950'. Isolate and acidize Bli/Dri intervals.
6. RIH w/tbg & pkr @ +/-5600'.
7. Notify NMOCD prior to pressure testing per regulations. Set up surface equipment.
8. Place well on injection in Blinebry/Drinkard

\*\*\*ONCE THE WELL IS CONVERTED IT WILL BE INCORPORATED INTO THE UNIT AS THE WBDU #138\*\*\*

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>Amber Cooke</i>		Approved by: <i>Larry W. Hip</i>	
Printed name: Amber Cooke		Title: <i>DISTRICT 1 SUPERVISOR</i>	
Title: Engineering Tech		Approval Date: DEC 23 2009	Expiration Date:
E-mail Address: amber.cooke@apachecorp.com			
Date: 12/14/2009	Phone: 918.491 4968	Conditions of Approval Attached <input type="checkbox"/>	

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## 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 30-025-06396	<sup>2</sup> Pool Code 22900	<sup>3</sup> Pool Name Eunice; Blinebry-Tubb-Drinkard, North
<sup>4</sup> Property Code 23112	<sup>5</sup> Property Name Southland Royalty A	<sup>6</sup> Well Number 4
<sup>7</sup> OGRID No. 873	<sup>8</sup> Operator Name Apache Corporation	<sup>9</sup> Elevation 3466'

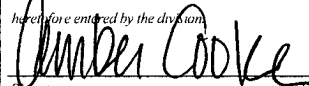
<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	4	21S	37E	660		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
<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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 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.  Signature _____ Date 12/14/2009 Amber Cooke Printed Name _____
				<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 _____

Present

WELL DATA SHEET

Last Update: 12-8-09

Lease Name: Southland Royalty A #4

API No: 30-025-06396

Location: 660's/660'E  
SE-SE, Sec 4, T-21S, R-37E

County: Lea ST: NM

Spud Date: 10-12-51 Well Elev: 3466' GL 14' KB

TD Date: 11-15-51 Completion Date: 11-23-51

TD: 6750' PBTD: 5690' TOC: surface  
4570'

Casing

Producing Formation: Grayburg

Size: 13 3/8" 8 5/8"

Perfs: From 3891 to 4007 4/spf

Wt: 36# 24#

to /spf to

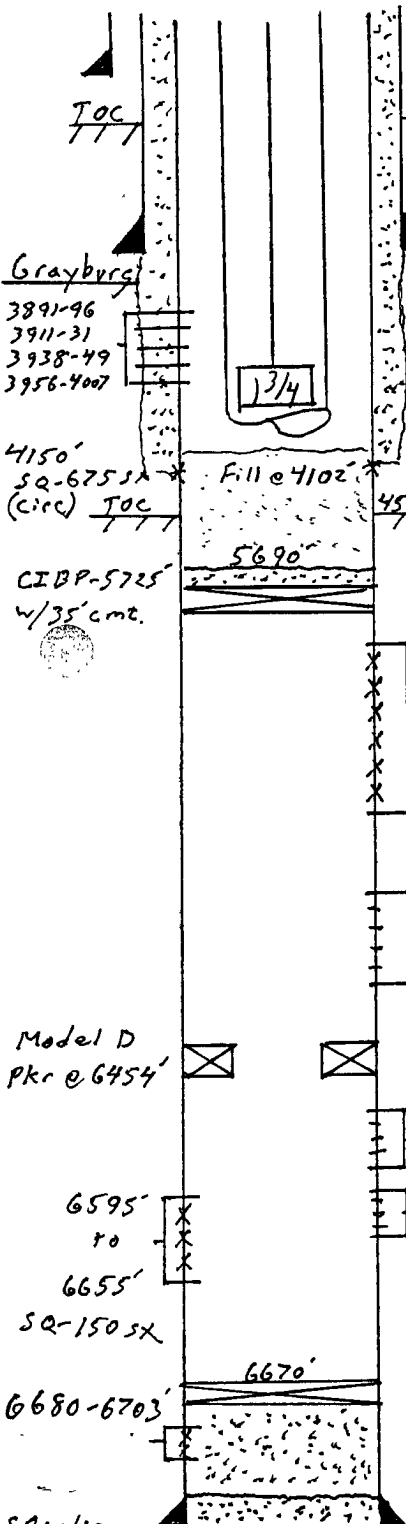
Grd: \_\_\_\_\_

IP: \_\_\_\_\_ BOPD \_\_\_\_\_ BWPD \_\_\_\_\_ MCF/D

Dpth: 305' 2905'

Well History: (See Attached)

Cmt: 300 475



Blinberry

5768-71  
5777-81, 90-92,  
5802-06,  
5850-54, 62-65,  
5882-85, 93-97,  
5924-27, 42-48  
59-1755X

Tubb

6176-6215  
6224-36  
6272-6308  
6365-92

Drinkard

6519-34  
6544-52  
6568-70

6595-6640'

Size: 5 1/2"

Wt: 14/15.5#

Grd: J-55

Dpth: 6748'

Cmt: 2255X

Well Equipment:

Pumping Unit: Lufkin 456-305-144

Motor Type: TECO HP: 40 POC: \_\_\_\_\_

Tbg: 126 Jts 2 7/8" Size 6.5# Grade J-55

MA @ \_\_\_\_\_ SN @ 4056' TAC @ \_\_\_\_\_ (8-16-06)

Rods: 58-7/8" KD + 100-3/4" KD

Pump: 2 1/2" x 1 3/4" x 24" RHBC (11-30-09)

# Proposed

## WELL DATA SHEET

Last Update: 12-9-09

Lease Name: WBPV #138W (SRH #4) API No: 30-025-06396  
Location: 66°S/66°E C-SE-SE, Sec 4, T-21S, R-37E County: Lea ST: NM  
Injection Order Date: 8-11-08 Spud Date: 10-12-51 Well Elev: 3466' GL 14' KB  
Injection Order No: R-12981A TD Date: 11-15-51 Completion Date: 11-23-51  
Permit BPD / PSI: 490 / 1120 TD: 6750' PBDT: 6670' TOC: 0-4150'  
4570'

