

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

HOBBS OCD

MAY 21 2012

RECEIVED

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 Corp 303 Veterans Airpark Ste 3000 Midland TX 79705		<sup>2</sup> OGRID Number 873
		<sup>3</sup> API Number 30 - 025-33567
<sup>4</sup> Property Code 19407	<sup>5</sup> Property Name W A Weir	<sup>6</sup> Well No. 011
<sup>9</sup> Proposed Pool 1 Monument, Yeso, NW (97089)		<sup>10</sup> Proposed Pool 2

**<sup>7</sup> Surface Location**

UL or lot no L	Section 35	Township 19S	Range 36E	Lot Idn	Feet from the 1680	North/South line North	Feet from the 580	East/West line West	County Lea
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**<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
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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 P	<sup>15</sup> Ground Level Elevation 3617'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 8100'	<sup>18</sup> Formation Tubb/Drinkard	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 9/21/1996

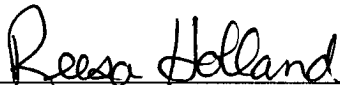
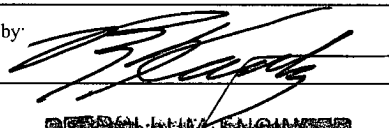
**<sup>21</sup> Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11"	8-5/8"	24#	1200'	450 sx C	Surface
7-7/8"	5-1/2"	15.5#	8100'	1050 sx C	3000'

<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.

Per the attached procedure, Apache would like to complete this well in the Tubb/Drinkard; leaving the Abo permanently plugged off. (current CIBP @ 7110')

**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		OIL CONSERVATION DIVISION	
Signature: 		Approved by: 	
Printed name Reesa Holland		Title <b>PETROLEUM ENGINEER</b>	
Title: Sr. Staff Engineering Tech		Approval Date:	Expiration Date:
E-mail Address: Reesa.Holland@apachecorp.com		MAY 23 2012	
Date: 05/16/2012	Phone 432/818-1062	Conditions of Approval Attached <input type="checkbox"/>	

MAY 23 2012



AFE No: PA-12-3552-C

**W A Weir #11**

API #: 30-025-33567  
1680' FNL & 580' FWL  
Section 35, Township 19S, Range 36E  
Lea County, New Mexico

**HOBBS OCD**

**MAY 21 2012**

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**Completion Procedure –Tubb**

**May 16, 2012**

**Recommended Procedure:**

**Note: 5-1/2", 15.5#, J-55 csg @ 7520' w/1,005 sx cmt (3000').**

**Burst J-55 @ 90% = 4329 psig**

**Current Perfs: CIBP set @ 7110' above Abo perfs. (7204'-7350')**

**Tubb:**

1. MIRU PU.
2. MIRU wireline unit. Load hole and pressure test CIBP to 2000 psi. Perforate the Drinkard formation @ **6803-05', 6791-93', 88', 82-84', 76-78', 73-75', 68-70', 60-64', 56', 50-52', 43-45', 30-32', 14-16'** w/2 spf, 120 deg phasing. Total = 56 shots.
3. TIH 2-7/8" tubing and packer. Spot acid over all perfs. Set packer @  $\pm 6620'$ . Acidize lower Tubb interval with 5,000 gals 15% NEFE HCL acid and ball sealers. Add 1 drum of corrosion inhibitor & 2 drums scale inhibitor to acid mix.
4. Release packer & run through perfs to knock off balls. Reset packer as before.
5. Swab back load and test lower Tubb zone. TOH with tubing and packer.
6. RIH w/ production equipment. Test 2-4 weeks.
7. MIRU PU.
8. MIRU wireline unit. Set CBP @ 6700'. Load hole and pressure test CBP to 2000 psi. Perforate Tubb formation @ **6672-74', 67-69', 54-56', 40-42', 44-46', 32-24', 24-26', 16-18', 11-13', 04-06', 6594-96', 82-84', 78-80', 49-51'** w/2 spf, 120 deg phasing. Total = 56 shots.
9. TIH 2-7/8" tubing and packer. Spot acid over all perfs. Set packer @  $\pm 6470'$ . Acidize upper Tubb interval with 5,000 gals 15% NEFE HCL acid and ball sealers. Add 1 drum of corrosion inhibitor & 2 drums scale inhibitor to acid mix.
10. Release packer & run through perfs to knock off balls. Reset packer as before.
11. Swab back load and test lower Tubb zone. TOH with tubing and packer.
12. RIH w/ production equipment. Test 2-4 weeks.

Prepared by: \_\_\_\_\_

Sean LeNeave  
3/14/2012

HOBBS OCD

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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 30-025-33567		<sup>2</sup> Pool Code 97089	<sup>3</sup> Pool Name Monument; Yeso, NW
<sup>4</sup> Property Code 19407	<sup>4</sup> Property Name W A Weir		<sup>4</sup> Well Number 011
<sup>7</sup> OGRID No. 873	<sup>8</sup> Operator Name Apache Corporation: 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705		<sup>9</sup> Elevation 3617' GL

<sup>10</sup> Surface Location

UL or lot no. L	Section 35	Township 19S	Range 36E	Lot Idn	Feet from the 1680	North/South line North	Feet from the 580	East/West line West	County LEa
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<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.

	<sup>17</sup> 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 voluntary pooling agreement or a compulsory pooling or has heretofore entered by the division.			
	Signature: <u>Reesa Holland</u> Date: <u>05/16/2012</u> Printed Name: <u>Reesa Holland</u> <u>Reesa.Holland@apachecorp.com</u>			
	<sup>18</sup> 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			