

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**

JUN 04 2010

**HOBBSOCD**

State of New Mexico

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-101

May 27, 2004

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 Cimarex Energy Co. of Colorado 600 N. Marienfeld, Ste. 600 Midland, TX 79701		<sup>2</sup> OGRID Number 162683 ✓
		<sup>3</sup> API Number 30-025-35911 ✓
<sup>4</sup> Property Code 300566 ✓	<sup>5</sup> Property Name Williams 34	<sup>6</sup> Well No 006 ✓
<sup>9</sup> Proposed Pool 1 Skaggs; Glorieta NW		<sup>10</sup> Proposed Pool 2 Weir; Blinebry (existing)

**7 Surface Location**

UL or lot no P	Section 34	Township 19S	Range 37E	Lot Idn	Feet from the 330	North/South line South	Feet from the 840	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 A ✓	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type Code S P	<sup>15</sup> Ground Level Elevation 3567' GR
<sup>16</sup> Multiple Y	<sup>17</sup> Proposed Depth 5900'	<sup>18</sup> Formation Glorieta & Blinebry	<sup>19</sup> Contractor N/A	<sup>20</sup> Spud Date When Approved
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit Liner Synthetic <input type="checkbox"/> _____mils thick Clay <input type="checkbox"/> Pit Volume _____ bbls Drilling Method: Closed-Loop System <input checked="" type="checkbox"/> Flowback Tanks Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**21 Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17½"	13¾"	48#	1422'	1050	Circ
12¼"	9⅝"	40#	5416'	1530	Circ
8¾"	7"	29#	11000'	460	

<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.

Well currently producing from Blinebry perfs @ 5384-5771.' Cimarex proposes to add Glorieta perfs and and DHC with current production. DHC application in progress.

•Set CIBP @ 5375.'

• Perforate Glorieta 5224'-5228', 5240'-5250', 5266'-5274', 5276'-5280', 5292'-5296', 5310'-5324', 5334'-5342' using 4 SPF, 215 holes. Acidize in 6 stages with total of 7800 gal 15% HCl.

•Install pump test and test for 2-4 weeks before proceeding to DHC with Blinebry.

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

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Signature: <i>Natalie Krueger</i>		Approved by: <i>[Signature]</i>	
Printed name: Natalie Krueger		Title: PETROLEUM ENGINEER	
Title: Regulatory		Approval Date: JUN - 9 2010 Expiration Date	
E-mail Address: <a href="mailto:nkrueger@cimarex.com">nkrueger@cimarex.com</a>			
Date: June 3, 2010	Phone: 469-420-2723		

**Oil Conservation Division**

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

JOB # 81620 / .70 SW / J.C.P.

DISTRICT II  
P. O. Drawer DD  
Artesia, NM 88211-0719

**DISTRICT III**  
1000 Rio Brazos Rd.  
Aztec, NM 87410

**DISTRICT IV**  
P. O. Box 2088  
Santa Fe, NM 87507-2088

# OIL CONSERVATION DIVISION

P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-35911		2 Pool Code 63780		3 Pool Name Weir; Blinebry					
4 Property Code 300566		5 Property Name WILLIAMS '34'				6 Well Number 6			
7 OGRND No. 162683		8 Operator Name Cimarex Energy Co. of Colorado				9 Elevation 3587'			
10 SURFACE LOCATION									
UL or lot no. P	Section 34	Township 19 SOUTH	Range 37 EAST, N.M.P.M.	Lot Ida	Feet from the 330'	North/South line SOUTH	Feet from the 840'	East/West line EAST	County LEA
11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE									
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No. 40 DHC Pending									

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

### OPERATOR CERTIFICATION

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

Signature Zeno Farris

Printed Name Zeno Farris

**Title**  
Mgr Operations Administration

Date 6/3/2010

### 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  
MAY 3, 2002

Signature and Seal of Professional Surveyor *[Signature]*

0-205  
 NO. 12  
 1-5-4-00  
 Certificate No. 11111  
 V. L. BEZNER W.R.P.S. #7920

JOB # 81620. / 70 SW / J.C.P.

**Williams 34 - 6**  
**Glorieta Recompletion Procedure**  
**API # 30025359110000**  
330' FSL & 840' FEL  
Section 34, T19S, R37E  
Lea County, New Mexico

Well Data:

KB	17' above GL
TD	5900'
PBTD	5846'
Casing	8-5/8" 24# J-55 @ 1388'. Cmtd w/ 640 sx. Cmt circ. 4-1/2" 11.6# J-55 @ 5900'. Cmtd w/ 955 sx. Cmt circ. DV Tool @ 3834
Perfs	Paddock (5384' – 5388', 5406'-5410') Blinbry (5718' – 5724', 5764' – 5771')

Procedure: Before RU Check Comingling Permit Status

1. MIRU pulling unit. TOOH w/ rods and pump. ND WH, NU BOP. TOOH w/ tbg.
2. RIH W / 3 7/8" RB Bit and 4 1/2" Scraper on 2 3/8" Tubing to PBTD'. TOOH W/ Bit, Scraper and Tubing.
3. RIH W/ 4 1/2" CIBP on wireline and set at 5375'. Load CSG W/ 2% KCL Water and test to 500 #.
4. Run Wireline CBL from 5000 to at least 5450.
5. RIH W/ 3 1/8" perforating guns. Perforate 5224'-5228', 5240'-5250', 5266'-5274', 5276'-5280', 5292'-5296', 5310'-5324', 5334'-5342' using 4 SPF, 215 holes. Depth reference log Jarrel Services Inc. Gamma Ray Casing Collar Log dated June 6, 2002. RD wireline.
6. TIH W/ PPI type Packer assembly on 2 3/8" Tubing Hydrotesting to 5000 psi
- 7-1. Acidize (5334'-5342') w/1200 gal 15% HCL

- 7-2. Release PPI and move up. Acidize (5310'-5324') w/2100 gal 15% HCL
- 7-3. Release PPI and move up. Acidize (5292'-5296') w/600 gal 15% HCL
- 7-4. Release PPI and move up. Acidize (5266'-5274') and (5276'-5280') w/1800 gal 15% HCL
- 7-5. Release PPI and move up. Acidize (5240'-5250') w/1500 gal 15% HCL
- 7-6. Release PPI and move up. Acidize (5224'-5228') w/600 gal 15% HCL
8. Displace acid w/ Water from Williams 34-3. Retrieve PPI bar and Reverse Circulate Annulus
9. Swab well until pH is greater than 4.5.
10. Record fluid levels and oil cuts and report to Midland.
11. Scale squeeze per Vendor Recommendation.
12. TOOH W/ tubing and PPI Tools
13. RIH w/ 2  $\frac{3}{8}$ " tubing and BHA Configured for pumping. Set @ 5355'
14. Pump test for 2-4 weeks then proceed to downhole comingling.