

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
**District III**  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Form C-101  
Revised July 18, 2013

**Energy Minerals and Natural Resources**  
**Oil Conservation Division**  
**ARTESIA DISTRICT**  
**DEC 28 2016**  
**RECEIVED**

1220 South St. Francis Dr.

Santa Fe, NM 87505

☐ 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 202 S. Cheyenne Ave Tulsa, OK 74103		<sup>2</sup> OGRID Number 162683
		<sup>3</sup> API Number 30015-33963
<sup>4</sup> Property Code 34631	<sup>5</sup> Property Name Park State 36 Com	<sup>6</sup> Well No. 1

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
1	36	24S	25E		1500	South	1100	East	Eddy

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

**9. Pool Information**

Pool Name	Pool Code
WC-015 S242536f; Strawn (Gas)	98221

**Additional Well Information**

<sup>11</sup> Work Type S	<sup>12</sup> Well Type Gas	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type State	<sup>15</sup> Ground Level Elevation 3539'
<sup>16</sup> Multiple	<sup>17</sup> Proposed Depth PBSD: 11385'	<sup>18</sup> Formation Strawn	<sup>19</sup> Contractor	<sup>20</sup> Spud Date
Depth to Ground water:		Distance from nearest fresh water well		Distance to nearest surface water

☐ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

\*Csg previously set

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
*Surf	17.5	13-3/8"	54.5	203	225	circ
*Int	12.25	9-5/8"	40	1945	700	circ
*Prod	8.75	5-1/2"	17	12074	2610	1900'

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer

<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 I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☐ if applicable.

Signature:

Printed name Terri Stathem

Title: Manager Regulatory Compliance

E-mail Address: tstathem@cimarex.com

Date: 12-27-2016

Phone: 432-620-1936

**OIL CONSERVATION DIVISION**

Approved By:

Title:

Approved Date:

Expiration Date:

Conditions of Approval Attached

\*Casing previously set - no new casing

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-015-33963</b>	<sup>2</sup> Pool Code <b>98221</b> ✓	<sup>3</sup> Pool Name <b>WC-015 S242536L; Stawn (Gas)</b> ✓
<sup>4</sup> Property Code <b>34631</b> ✓	<sup>5</sup> Property Name <b>Park State 36 Com</b> ✓	<sup>6</sup> Well Number <b>1</b>
<sup>7</sup> OGRID No. <b>162683</b> ✓	<sup>8</sup> Operator Name <b>Cimarex Energy of Colorado</b>	<sup>9</sup> Elevation <b>3539'</b>

**" Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>1</b>	<b>36</b>	<b>25S</b>	<b>25E</b>		<b>1500</b>	<b>South</b>	<b>1100</b>	<b>East</b>	<b>Eddy</b> ✓

**" 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 <b>320</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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.

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Current WBD  
KB : 23' above GL

Cimarex Energy Co. of Colorado

Park State 36 Com #1

1500' FSL & 1100' FEL

Sec. 36, T-24-S, R-25-E, Eddy Co., NM

S. Gengler

02/21/2012

Gas Lift Valves: 1953', 3784', 5450'  
6857', 8068', 8920'

13-3/8", 54.5# J-55 csg @ 200'  
cmtd w/ 225 sx, cmt circ

TOC @ 650' by CBL

9-5/8", 40# N-80 & P-110 csg @ 1940'  
cmtd w/ 700 sx, cmt circ

273 jts 2 3/8" 4.7# L-80 Tbg

DV Tool @ 7005'  
cmtd w/ 1350 sx

T-2 On-off Tool w/ 1.875" X Profile nipple @ 8954'  
Arrowset 1-X pkr @ 8962'

1.875" XN Profile Nipple @ 8969'  
End of tbg @ 8974'

Wolfcamp perms (9029' - 9496')

PBTD @ 11385'  
CIBP @ 11420'  
Morrow perms (11458' - 11807')

PBTD @ 12007'  
5-1/2" 17# P-110 @ 12072' cmtd w/ 1260 sx, cmt circ  
TD @ 12073'



Proposed WBD  
KB : 23' above GL

Cimarex Energy Co. of Colorado

Park State 36 Com #1

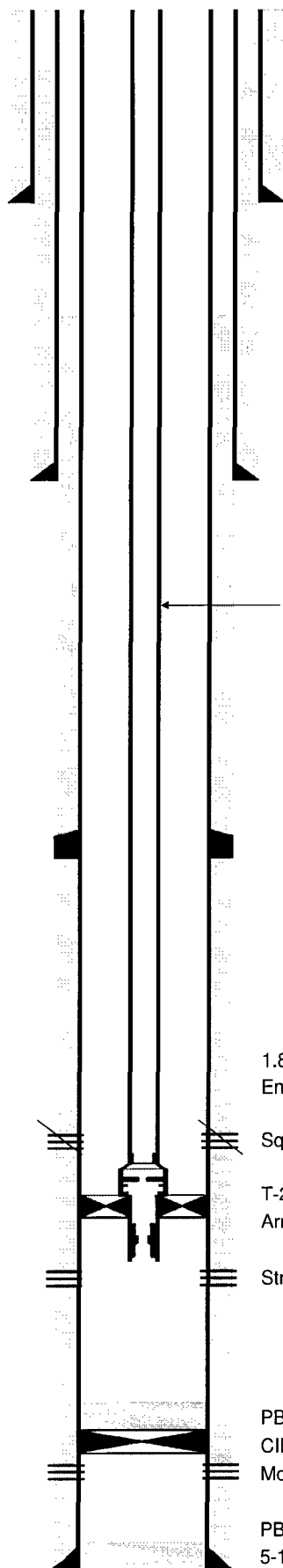
1500' FSL & 1100' FEL

Sec. 36, T-24-S, R-25-E, Eddy Co., NM

S. Gengler

02/21/2012

Gas Lift Valves: 1953', 3784', 5450'  
6857', 8068', 8920'



13-3/8", 54.5# J-55 csg @ 200'  
cmtd w/ 225 sx, cmt circ

TOC @ 650' by CBL

9-5/8", 40# N-80 & P-110 csg @ 1940'  
cmtd w/ 700 sx, cmt circ

273 jts 2 3/8" 4.7# L-80 Tbg

DV Tool @ 7005'  
cmtd w/ 1350 sx

1.875" XN Profile Nipple @ 8969'  
End of tbg @ 8974'

Squeezed Wolfcamp perms (9029' - 9496')

T-2 On-off Tool w/ 1.875" X Profile nipple @ 10,149'  
Arrowset 1-X pkr @ 10,156'

Strawn perms (10,206' - 10,450')

PBTD @ 11385'  
CIBP @ 11420'  
Morrow perms (11458' - 11807')

PBTD @ 12007'  
5-1/2" 17# P-110 @ 12072' cmtd w/ 1260 sx, cmt circ  
TD @ 12073'



**Park State 36 Com 1**  
**Strawn Recompletion Procedure**  
**Michael Karner 12/21/16**

**Well Data**

KB	23'
TD	12,073'
PBTD	12,007'
Casing	13-3/8" 54.5# J-55 @ 200'. Cmt'd w/ 225 sx, cmt circ 9-5/8" 40# N-80 & P-110 @ 1,940'. Cmt'd w/ 700 sx, cmt circ 5-1/2" 17# P-110 @ 12,072'. Cmt'd w/ 1,260 sx. TOC @ 650' by CBL
Tubing	2-3/8" 4.7# L-80 8rd, EOT @ 8,951'
Current Prod. Perfs	Wolfcamp (9,029' – 9,496')
Proposed RC Perfs	Strawn (10,206' – 10,450')

**Procedure**

Notify NMOCD 24 hours prior to starting operations.

1. Test anchors prior to moving in rig.
2. Move in rig up pulling unit.
3. Kill well as necessary with 7% KCl.
4. Nipple down wellhead, nipple up 5,000 psi blow out preventer stack.
5. Release packer and TOOH w/ 2-3/8" 4.7# L-80 tbg. Stand back tbg. Scan tubing during TOOH.
6. TIH w/ cement retainer on 2-3/8" 4.7# L-80 tbg to set cement retainer at +/- 8,979'
7. Establish injection rate into Wolfcamp perfs
8. Pump cement into Wolfcamp perfs as per design based on injection test. Abandon Wolfcamp.
9. Release from cement retainer and reverse circulate
10. TOOH w/ 2-3/8" tbg and stand back tbg
11. WOC 6-8 hours
12. RU power swivel, Pick up bit and drill collars on 2-3/8" tbg
13. Drill through cement and cement retainer, circulate well clean
14. Test casing to 500 psi for 30 minutes with no more than 10% leakoff
15. TOOH w/ bit and drill collars
16. RU wireline
17. RIH w/ GR/JB to +/- 10,450'
18. RIH w/ casing guns to perforate Strawn 10,206' – 10,450'
19. RIH to set packer w/ pump out plug set to 1800 psi differential pressure at +/- 10,156'

20. RDMO Wireline
21. TIH w/ 2-3/8" tbg and gas lift valves to latch into packer
22. ND BOP, NU WH
23. RDMO pulling unit
24. RU pump truck and pump out plug
25. MIRU Propetro acid
26. Pump 19,000 total gallons of 15% NEFE HCl with 225 ball sealers down 2-3/8" tubing
27. Flush with 1 tubing volume 2% KCl
28. Put well on production. Swab well as necessary