

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

AMENDED REPORT

DEC 28 2016

RECEIVED

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, (PLUGBACK, OR ADD A ZONE)

¹ Operator Name and Address Cimarex Energy Co. of Colorado 202 S. Cheyenne Ave Tulsa, OK 74103		² GRID Number 162683
⁴ Property Code 34631		³ API Number 30015-33963
⁵ Property Name Park State 36 Com	⁶ 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 WC-015 S242536f, Strawn (Gas)	Pool Code 98221
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Additional Well Information

¹¹ Work Type S	¹² Well Type Gas	¹³ Cable/Rotary	¹⁴ Lease Type State	¹⁵ Ground Level Elevation 3539'
¹⁶ Multiple	¹⁷ Proposed Depth PBSD: 11385'	¹⁸ Formation Strawn	¹⁹ Contractor	²⁰ 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

²³ 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

¹ API Number 30-015-33963		² Pool Code 98221		³ Pool Name WC-015 S242536I; Stawn (Gas)	
⁴ Property Code 34631		⁵ Property Name Park State 36 Com			⁶ Well Number 1
⁷ OGRID No. 162683		⁸ Operator Name Cimarex Energy of Colorado			⁹ Elevation 3539'

¹⁰ Surface Location

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

¹¹ 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

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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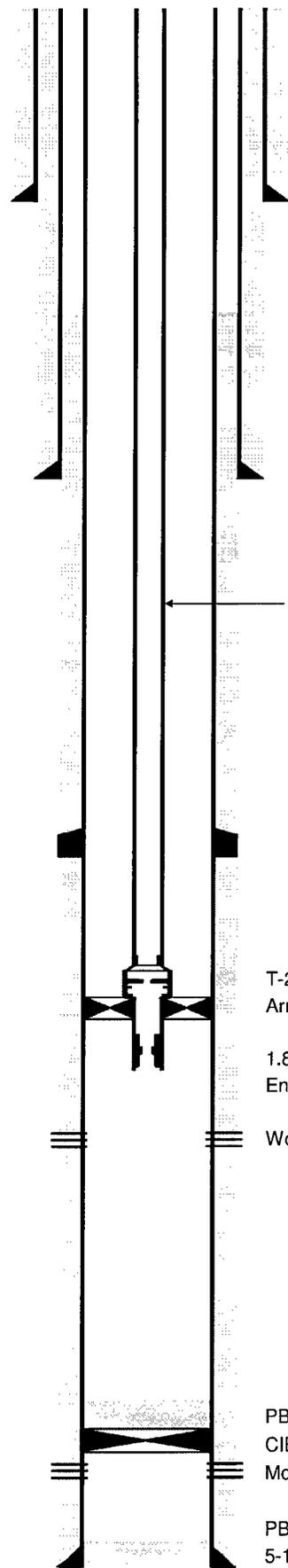
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p><i>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 approved by the division.</i></p> <p style="text-align: right;">Signature: Date: 12/27/16</p> <p style="text-align: center;">Printed Name Terri Stathem</p> <p style="text-align: center;">E-mail Address tstathem@cimarex.com</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>
	<p>Certificate Number</p>



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



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

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

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')

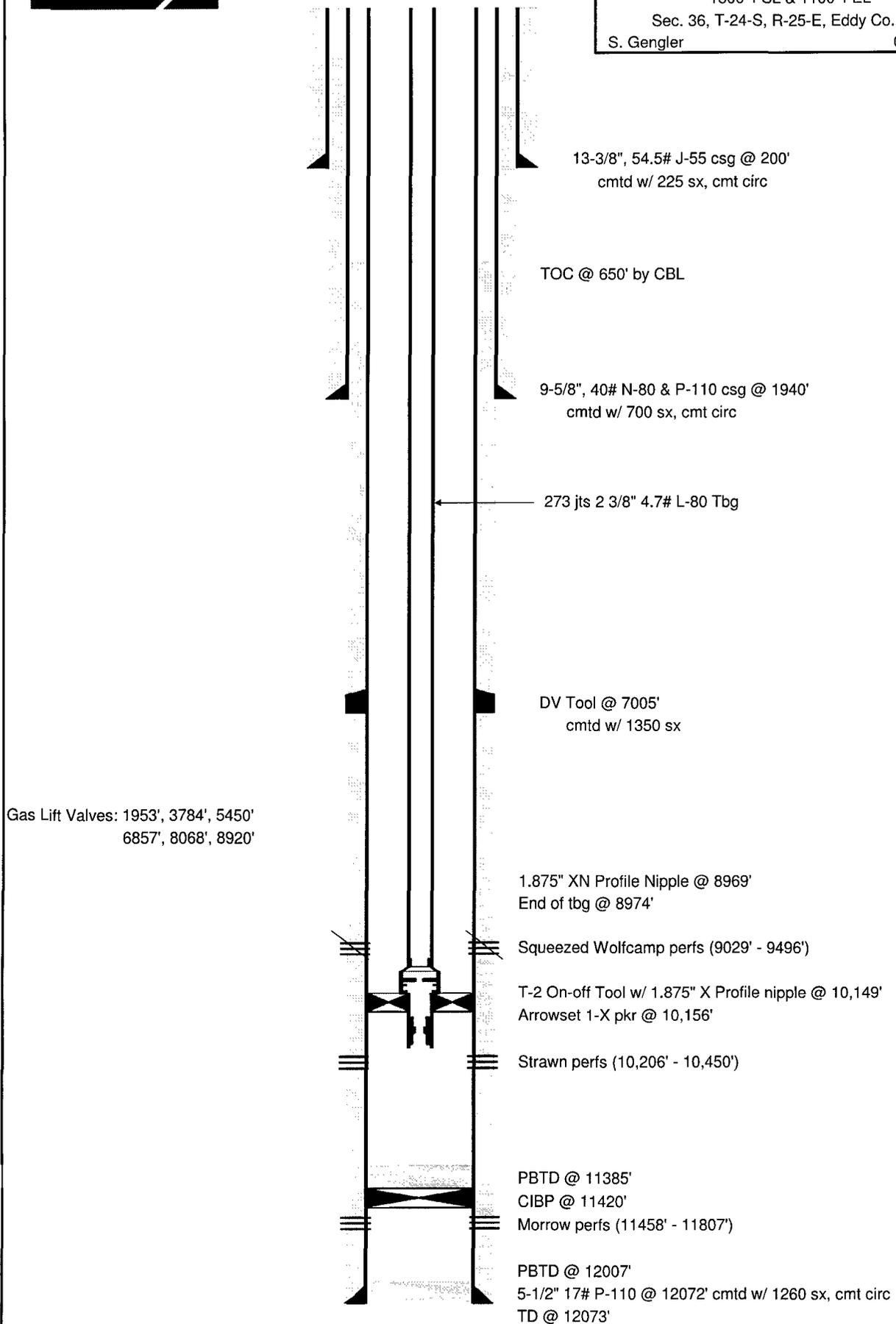
PBTD @ 11385'
CIBP @ 11420'
Morrow perms (11458' - 11807')

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





**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