

Submit 3 Copies To Appropriate District
Office
District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-34704
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name New Mexico DD State Com
8. Well Number 004
9. OGRID Number 162683
10. Pool name or Wildcat White City;Penn (Gas)/Sage Draw Wlfcmp

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator Cimarex Energy Co. of Colorado	
3. Address of Operator PO Box 140904; Irving, TX 75014	
4. Well Location Unit Letter <u>J</u> : <u>1650</u> feet from the <u>South</u> line and <u>1650</u> feet from the <u>East</u> line Section <u>32</u> Township <u>24S</u> Range <u>26E</u> NMPM <u> </u> County <u>Eddy</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>3381' GR</u>	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type <u> </u> Depth to Groundwater <u> </u> Distance from nearest fresh water well <u> </u> Distance from nearest surface water <u> </u>	
Pit Liner Thickness: <u> </u> Below-Grade Tank: Volume <u> </u> bbls; Construction Material <u> </u>	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: Cisco Canyon, Wolfcamp completion & DHC ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPS ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. Well is currently a marginal White City; Penn producer for 11064' - 11187'.

Cimarex proposes set CIBP at 11020' with 35' cement and perf, acidize, and frac Cisco Canyon interval from 9720' - 9938' and Wolfcamp interval from 8971' - 9441' per attached procedure. Well will be put on production as a DHC White City Penn and Sage Draw Wolfcamp Producer. DHC- 4256 issued on 2-12-10. A production log will be run for oil gas and water allocation percentages.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

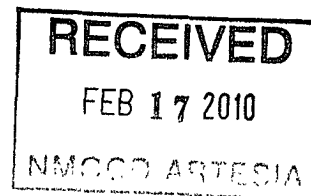
SIGNATURE Natalie Krueger TITLE Reg Analyst 1 DATE February 15, 2010

Type or print name Natalie Krueger email address: nkrueger@cimarex.com Telephone No. 432-620-1936

For State Use Only

APPROVED BY: [Signature] TITLE Geologist DATE 3/1/2010
Conditions of Approval (if any):

**New Mexico DD State Com #4
Ciscamp Recompletion Procedure**



Well Data:

KB	19' above GL
TD	11810'
PBTD	11215'
Casing	13-3/8" 48# H-40 @ 245'. Cmtd w/ 450 sx. Cmt circ. 9-5/8" 40# J-55 @ 1710'. Cmtd w/ 1110 sx. 1" cmt to surface. 5-1/2" 17# P-110 @ 11800'. Cmtd w/ 990 sx. Cmt Circ. DV Tool @ 7670'. Cmtd w/ 1325 sx. TOC @ 2750' by CBL.
Perfs	Morrow – (11064' – 11187')

Procedure:

1. MIRU pulling unit. If necessary, kill well w/ FW. ND WH, NU BOP, TOO H & LD tbq. RU wireline and run gauge ring to 11050'. Run CIBP and set @ \pm 11020' and dump 35' cmt on top of CIBP. RU pump truck and pressure test csg to 6500 psig w/ FW. ND BOP and RU 10K goat head frac valve. RDMO pulling unit.
2. RU wireline truck and mast unit. Perforate Cisco Canyon (9830' – 9835', 9844' – 9850', 9859' – 9864', 9873' – 9879', 9908' – 9913', 9933' – 9938') 3 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 96 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated August 23, 2006.
3. RU stimulation company. Acidize and frac Cisco Canyon perfs (9830' – 9938') down 5-1/2" csg as per recommendation. Set 10K flow thru composite plug @ 9815'.
4. Perforate Cisco Canyon (9720' – 9724', 9736' – 9740', 9760' – 9764', 9775' – 9779', 9795' – 9799') 3 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 60 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated August 23, 2006.
5. Acidize and frac Cisco Canyon perfs (9720' – 9799') down 5-1/2" csg as per recommendation. Set 10K flow thru composite plug @ 9600'.
6. Perforate Wolfcamp (9335' – 9339', 9363' – 9367', 9394' – 9398', 9411' – 9415', 9437' – 9441') 3 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 60 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated August 23, 2006.
7. Acidize and frac Wolfcamp perfs (9335' – 9441') down 5-1/2" csg as per recommendation. Set 10K flow thru composite plug @ 9320'.

8. Perforate Wolfcamp (9162' – 9166', 9195' – 9199', 9215' – 9219', 9262' – 9266', 9296' – 9300') 3 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 60 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated August 23, 2006.
9. Acidize and frac Wolfcamp perfs (9162' – 9300') down 5-1/2" csg as per recommendation. Set 10K flow thru composite plug @ 9150'.
10. Perforate Wolfcamp (8971' – 8975', 8995' – 8999', 9090' – 9094', 9113' – 9117', 9130' – 9134') 3 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 60 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated August 23, 2006. RD wireline.
11. Acidize and frac Wolfcamp perfs (8971' – 9134') down 5-1/2" csg as per recommendation. RD Stimulation company.
12. RU 1-3/4" coiled tbg unit. TIH w/ butterfly mill & downhole motor on 1-3/4" CT and drill out sand and composite plugs @ 9150', 9320', 9600', and 9815'. FIH w/ coiled tbg and CO sand to 10950'. TOOH w/ mill, motor, & CT. RD coiled tbg unit.
13. Flow back well until sand production cleans up, the SI well overnight.
14. RU wireline and full 10K lubricator. RIH w/ 4-3/4" GR to 8950'. TIH w/ 10K pkr w/ on-off tool and a pump out plug in place and set @ \pm 8920'. RD wireline and lubricator.
15. ND goat head and NU BOP. TIH w/ on-off tool, tbg and gas lift valves as per recommendation testing tubing below slips to 8000 psi. Tag pkr and PU 1 jt. RU PT and establish circ w/ FW. Pickle tbg w/ 500 gals 15% HCl and reverse out acid. FIH w/ tbg and latch on to pkr. ND BOP, NU WH. RD pulling unit.
16. RU PT & pressure up on pump out plug. Put well on production.

DISTRICT I
1825 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87506

State of New Mexico
Energy, Minerals and Natural Resources Department

RECEIVED

FEB 17 2010

NMOCD ARTESIA

Form C-102
Revised March 17, 1989
Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-34704	Pool Code 87280	Pool Name White City; Penn (Gas)
Property Code 33411	Property Name NEW MEXICO DD STATE COM	Well Number 4
OGRID No. 162683	Operator Name GRUY PETROLEUM MANAGEMENT COMPANY	Elevation 3381'

Surface Location

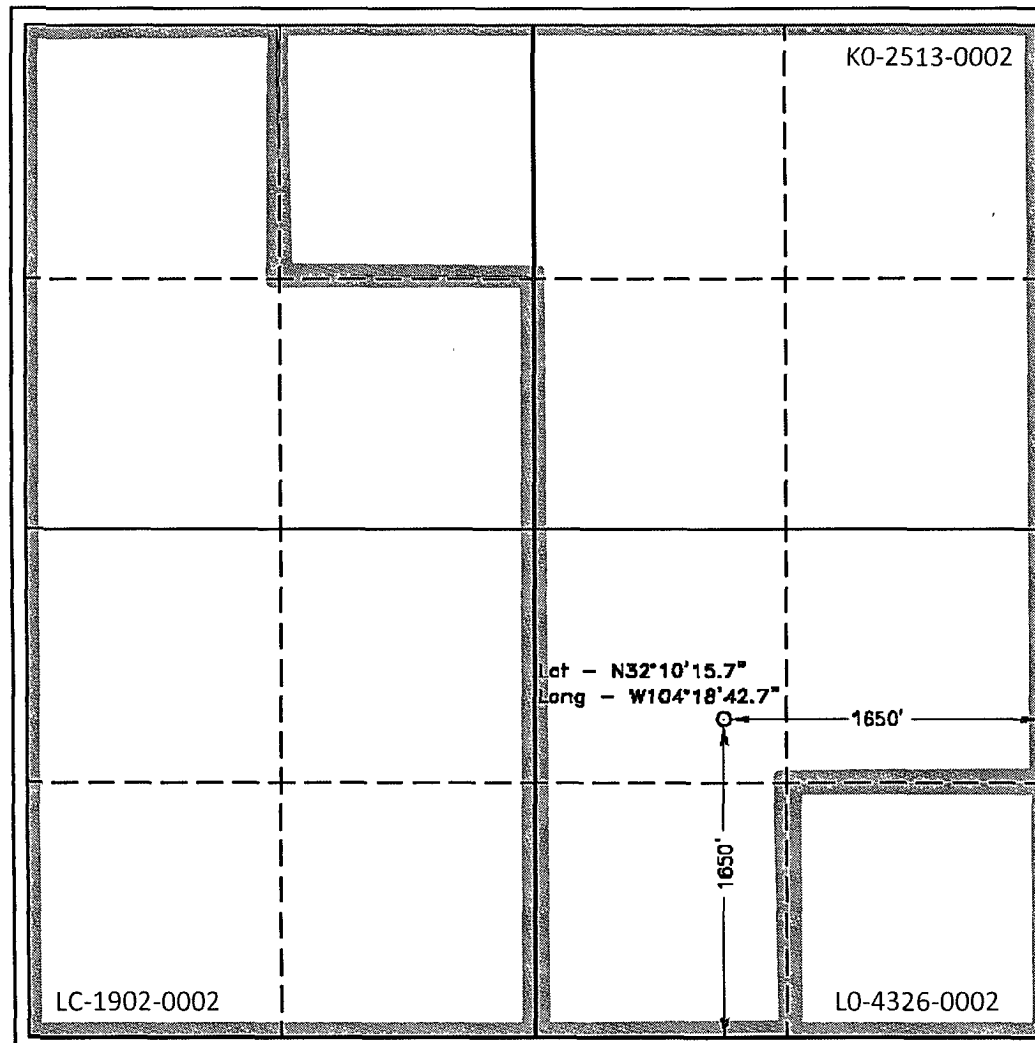
UL or lot No. J	Section 32	Township 24 S	Range 26 E	Lot Idn	Feet from the 1650	North/South line SOUTH	Feet from the 1650	East/West line EAST	County EDDY
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Bottom Hole Location If Different From Surface

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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Dedicated Acres 640	Joint or Infill	Consolidation Code C	Order No. DHC Pending
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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>K0-2513-0002</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Zeno Farris</i></p> <p>Signature</p> <p>Zeno Farris</p> <p>Printed Name</p> <p>Mgr Operations Admin</p> <p>Title</p> <p>15 February 2010</p> <p>Date</p>
		<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>MARCH 17, 2010</p> <p>Date Surveyed</p> <p>Signature of Professional Surveyor</p> <p>No. 6388</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>