

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMNM4314

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

**HOBBS OCD**  
**MAY 25 2017**  
**RECEIVED**

8. Well Name and No.  
PIPELINE B6 FEDERAL 03

9. API Well No.  
30-025-38045-00-S1

10. Field and Pool or Exploratory Area  
EK-YATES-7RVRS-QUEEN

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
CIMAREX ENERGY COMPANY OF CO  
Contact: AMITHY CRAWFORD  
E-Mail: acrawford@cimarex.com

3a. Address  
202 S CHEYENNE AVE. SUITE 1000  
TULSA, OK 74103

3b. Phone No. (include area code)  
Ph: 432.620.1909

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 6 T19S R34E SENW 2310FNL 1980FWL  
32.690563 N Lat, 103.601576 W Lon

11. County or Parish, State  
LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Cimarex respectfully requests to plugback the Bone Spring formation and recomplete into the Lower Brushy Canyon zone. see procedure below.

Notify BLM 24 hours prior to starting operations

1. Hold operational safety meeting on location; discuss all risk and potential dangers.
2. MIRU Pulling unit.
3. LOTO pumping unit.
4. TOOH w/ Rods, Pump, and Tbg.
5. PU 4-3/4" bit and 5-1/2" casing scraper. RIH to 9,030'.
6. TOOH, LD bit and scraper. PU 5-1/2" CIBP.
7. TIH to 9,025' and set CIBP. 8995

*LPC COAs Attached*

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #369671 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs  
Committed to AFMSS for processing by PRISCILLA PEREZ on 03/15/2017 (17PP0368SE)

Name (Printed/Typed) AMITHY CRAWFORD Title REGULATORY ANALYST

Signature (Electronic Submission) Date 03/13/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By *Ch Wells* Title *Eng* Date *5/23/17*

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office *CFO*

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

*MWR/OCD 5/25/2017*

**Additional data for EC transaction #369671 that would not fit on the form**

**32. Additional remarks, continued**

8. Release from the CIBP and PU 1 joint. Circulate well w/ 255 bbls of 2% KCL.
9. RIH to 9024' and spot balanced plug w/ 35 sxs of class H cement on top of CIBP also covering the top of the Bone Spring formation.
10. PU tbg to 8,500'. Reverse circulate 75 bbls of 2% KCL.
11. Allow proper time for cement to set up.
12. TIH and tag cement plug @ 8,572'. → Add 25 Sx Plug from 7831-7631'
13. TOOH. Standing back 2-7/8" tbg.
14. RU WL. TIH w/ Select fire perforating guns w/ gamma ray gun.
  - a. Correlate gamma ray back to Halliburton "Spectral Gamma, Dual Spaced Neutron, Spectral Density Log" dated 10-DEC-06 00:35:18
15. Perforate 7,418' - 7,422' w/ 3 SPF (15 Holes), 0.41" EH size, and 120-degree phasing.
16. RD WL. TIH w/ 7,350' of 2-7/8" 6.5# L-80 Tbg and 2-7/8" x 5-1/2" treating packer.
  - a. Hydrotest 2-7/8" tbg to 8,000 psi while TIH.
17. Set packer in 20 pts compression at 7,350'.
18. RU Acid Company. Test lines to MOP: 8,000 psi.
19. Treat Perforation with 5,000 gals 15% NEFE HCL @ 5-7 BPM (whichever formation allows).
  - a. Drop 3 ball sealers every 625 gals. 24 ball sealers total.
  - b. Flush tbg w/ 50 bbls (2,100 gal) of 2% KCL at same rate.
20. RU flowback equipment in such a way that production can be turned to the battery once hydrocarbons are detected.
21. Flowback well until it dies. (if well flows at all)
22. TOOH w. 2-7/8" tbg and packer. LD packer.
23. RIH w/ tbg, rods, and pump.
24. Return to production.



Cimarex Energy Co. of Colorado

Pipeline B-6 Federal 3

2310' FNL & 1980' FSL

Sec. 6, T-19-S, R-33-E, Lea Co., NM

E. Serrano

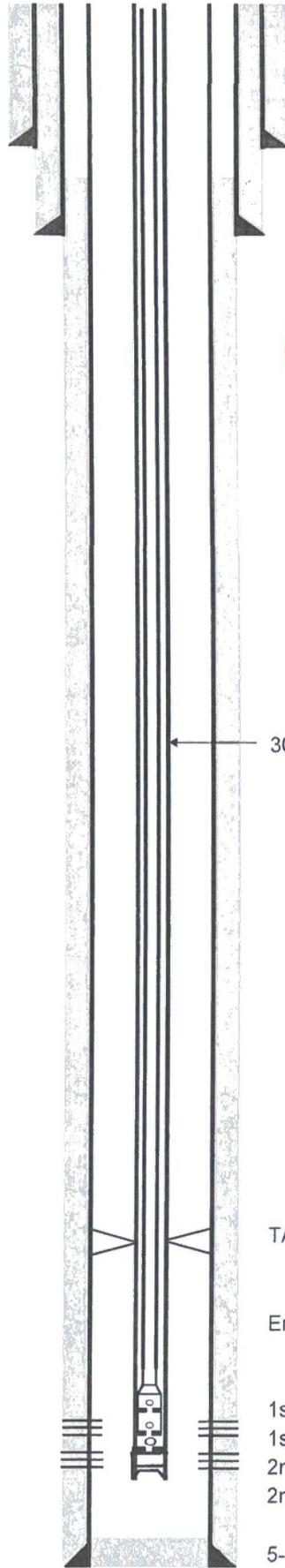
10/26/2015

KB - 18.5' above GL

13-3/8" 48# H-40 csg @ 450'  
cmtd w/390 sx, cmt circ

9-5/8" 40# K-55 csg @ 3714'  
cmtd w/ 1200 sx, cmt circ

# CURRENT



304 jts 2-7/8" 6.5# 8rd J-55 Tbg

BS - 7731

TAC @ 8773'

End of tbg @ 9919'

1st Bone Spring: 9045' - 9076' (186 holes, 2007)

1st Bone Spring: 9362' - 9368' (54 holes, 2007)

2nd Bone Spring: 9571' - 9618' (246 holes, 2007)

2nd Bone Spring: 9834' - 9838' (24 holes, 2007)

5-1/2" 17# P-110 @ 10205' cmtd w/835 sx

TOC @ 6359' (CBL)

PBTd @ 10074'

TD @ 10205'

Rod Detail:

26' x 1-1/2" SM Polish Rod

1-2' Pony Rods

104 1" Grade 97 Rods

105 7/8" Grade 97 Rods

174 3/4" Grade 97 Rods

10 1-1/2" x 25' K-bars

1" Guided Lift Sub

25-125-26 RHBM



KB - 18.5' above GL

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Pipeline B-6 Federal 3

2310' FNL & 1980' FSL

Sec. 6, T-19-S, R-33-E, Lea Co., NM

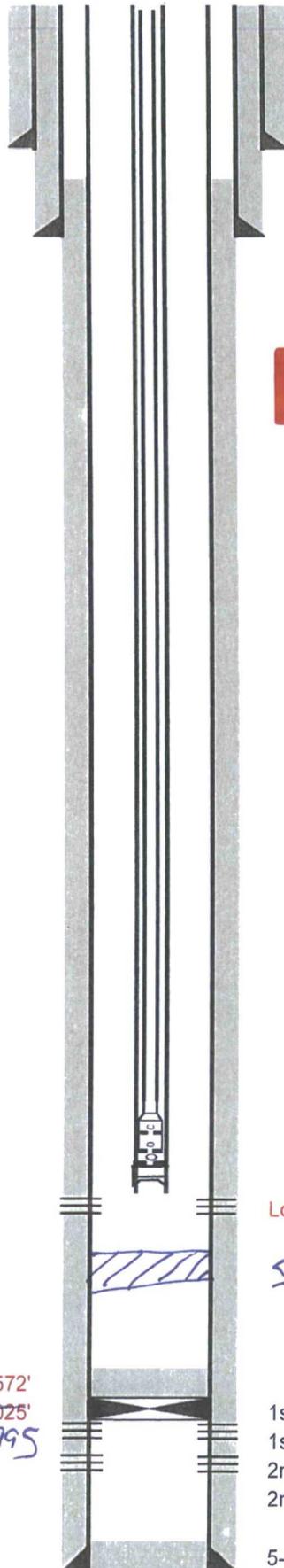
E. Serrano

10/26/2015

13-3/8" 48# H-40 csg @ 450'  
cmtd w/390 sx, cmt circ

9-5/8" 40# K-55 csg @ 3714'  
cmtd w/ 1200 sx, cmt circ

# PROPOSED



Lower Brushy Perfs @ 7418' - 7422'

*Spot 25 sx cmt from  
7831 - 7631'  
(Top of BS 7731')*

35 Sxs Class H, TOC @ 8,572'

CIBP @ 9025'

8995

*50-100' above  
top perf*

1st Bone Spring: 9045' - 9076' (186 holes, 2007)

1st Bone Spring: 9362' - 9368' (54 holes, 2007)

2nd Bone Spring: 9571' - 9618' (246 holes, 2007)

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PBTB @ 10074'

TD @ 10205'



AFE No:

### Procedure Sheet – Hobbs District

PLEASE COMMENCE WITH WORK PER PROCEDURE

#### Pipeline B-6 Federal 3

Recomplete Well in Lower Brushy Canyon

Current Well Data:

KB 18.5' above GL  
 TVD/PBTD 10,205'/10,074'  
 KOP N/A Vertical Well  
 Perfs 1<sup>st</sup>/2<sup>nd</sup> Bone Spring (9,045' – 9,838')

Casing

Size	Weight	Grade	Thread	Set at	Cmt	Remarks
13-3/8"	48#	H-40	ST&C	450'	390 sx	cir cmt
9-5/8"	40#	K-55	LT&C	3714'	1200 sx	cir cmt
5-1/2"	17#	P-110	LT&C	10205'	835 sx	TOC @ 6359'

Tubing

Quantity	Description	Length	Setting Depth
270	2-7/8" 6.5# L-80 8rd EUE Tubing	8,751.53	8770.03
1	2 7/8" X 5 1/2" TAC	3.75	8773.78
34	2-7/8" 6.5# J-55 8rd EUE Tubing	1,108.03	9881.81
1	Mechanical seating nipple	0.8	9882.61
1	Perforated Sub	4.1	9886.71
1	Mud joint 2 7/8 bull plugged	32.75	9919.46

Rods

Quantity	Description	Length	Setting Depth
1	Polish Rod 1.5" x 26' w 16' liner	26	26
1	1" x 2' N-97	2	28
104	1" Grade 97 Rods	2,600.00	2628
105	7/8" Grade 97 Rods	2,625.00	5253
174	3/4" Grade 97 Rods	4,350.00	9603
10	1 1/2" Sinker Bar	250	9853
1	1" Steel guided rod	2	9855
1	RightHand Release Tool	2	9857
1	25-125-26-6 RHBM w top pack off, no gas anchor	27	9884

Procedure:

**Notify BLM 24 hours prior to starting operations**

1. Hold operational safety meeting on location; discuss all risk and potential dangers.



AFE No:

2. MIRU Pulling unit.
3. LOTO pumping unit.
4. TOOH w/ Rods, Pump, and Tbg.
5. PU 4-3/4" bit and 5-1/2" casing scraper. RIH to 9,030'.
6. TOOH, LD bit and scraper. PU 5-1/2" CIBP.
7. TIH to 9,025' and set CIBP.
8. Release from the CIBP and PU 1 joint. Circulate well w/ 255 bbls of 2% KCL.
9. RIH to 9024' and spot balanced plug w/ 35 sxs of class H cement on top of CIBP also covering the top of the Bone Spring formation.
10. PU tbg to  $\pm$  8,500'. Reverse circulate 75 bbls of 2% KCL.
11. Allow proper time for cement to set up.
12. TIH and tag cement plug @  $\pm$  8,572'.
13. TOOH. Standing back 2-7/8" tbg.
14. RU WL. TIH w/ Select fire perforating guns w/ gamma ray gun.
  - a. Correlate gamma ray back to Halliburton "Spectral Gamma, Dual Spaced Neutron, Spectral Density Log" dated 10-DEC-06 00:35:18.
15. Perforate 7,418' - 7,422' w/ 3 SPF (15 Holes), 0.41" EH size, and 120-degree phasing.
16. RD WL. TIH w/ 7,350' of 2-7/8" 6.5# L-80 Tbg and 2-7/8" x 5-1/2" treating packer.
  - a. Hydrotest 2-7/8" tbg to **8,000 psi** while TIH.
17. Set packer in 20 pts compression at 7,350'.
18. RU Acid Company. Test lines to **MOP: 8,000 psi.**
19. Treat Perforation with 5,000 gals 15% NEFE HCL @ 5-7 BPM (whichever formation allows).
  - a. Drop 3 ball sealers every 625 gals. 24 ball sealers total.
  - b. Flush tbg w/ 50 bbls (2,100 gals) of 2% KCL at same rate.
20. RU flowback equipment in such a way that production can be turned to the battery once hydrocarbons are detected.
21. Flowback well until it dies. (if well flows at all)
22. TOOH w. 2-7/8" tbg and packer. LD packer.
23. RIH w/ tbg, rods, and pump.
24. Return to production.

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II  
1301 W. Grand Avenue, 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 Department

Form C-102  
Revised October 12, 2005

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-025-38045	Pool Code 96531	Pool Name Dios Mano, Delaware, South
Property Code	Property Name PIPELINE "B-6" FEDERAL	Well Number 3
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3804'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	6	19 S	34 E		2310	NORTH	1980	WEST	LEA

**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
					Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No. NSL-5441, NSP-1901	

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>Pipeline B 6 Fed #3</p> <p>2310'</p> <p>1980'</p> <p>3805.8'</p> <p>3809.4'</p> <p>3801.4'</p> <p>3803.4'</p> <p>Lat - N32°41'26.2" Long - W103°36'05.6" NMSPC E - N 615746.846 E 766.471.104 (NAD-83)</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>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 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 entered by the division.</p> <p><i>Amithy Crawford</i> Signature Date 3/13/2017</p> <p>Amithy Crawford Printed Name</p>
	<p><b>SURVEYOR CERTIFICATION</b></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>Date Surveyed: JUNE 12, 2006 Signature: <i>Gary L. Jones</i> Professional Surveyor 7977 W.C. No. 6685 Certificate No. Gary L. Jones 7977</p> <p><b>BASIN SURVEYS</b></p>

BUREAU OF LAND MANAGEMENT  
Carlsbad Field Office  
620 East Greene Street  
Carlsbad, New Mexico 88220  
575-234-5972

**Permanent Abandonment of Production Zone Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from this approval.

**If you are unable to plug back the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.**

2. **Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822.**

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. **Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either **Neat Class "C"**, for up to 7,500 feet of depth or **Neat Class "H"**, for deeper than 7,500 feet plugs.

6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date work was completed.**

7. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

**Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:**

From March 1<sup>st</sup> through June 15<sup>th</sup> annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted