

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCB 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.

HOBBS OCB
MAY 25 2017
RECEIVED

5. Lease Serial No.
NMNM4314

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
PIPELINE DEEP 5 FEDERAL 03

9. API Well No.
30-025-37196-00-C2

10. Field and Pool or Exploratory Area
Multiple--See Attached

11. County or Parish, State
LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator Contact: AMITHY CRAWFORD
CIMAREX ENERGY COMPANY OF CO Email: 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 5 T19S R34E SWNE 1650FNL 1340FEL
32.692416 N Lat, 103.578315 W Lon

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.

Notify BLM 24 hours prior to starting operations
Max Treating Pressure = 6,000 psi
7700' of 3-1/2" 12.95# P110 will need to be rented for frac string

1. Hold operational safety meeting on location; discuss all risk and potential dangers.
2. MIRU Pulling unit.
3. Kill well if necessary w/ 2% KCL.
4. TOOH w/ Rods, Pump, and Tbg.
5. PU 4-3/4" bit and 5-1/2" casing scraper, RIH to 11,355'.
6. TOOH, LD bit and scraper. PU 5-1/2" CIBP.
7. TIH to 14,350' and set CIBP. - 11,300'
8. Release from the CIBP and PU 1 joint. Circulate well w/ 315 bbls of 2% KCL.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

**Electronic Submission #369590 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 (17PP0362SE)**

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 AMC Hobbs Title Eng Date 5/19/17

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 QFO

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.

msb/ocb 5/25/2017

Additional data for EC transaction #369590 that would not fit on the form

10. Field and Pool, continued

QUAIL RIDGE

32. Additional remarks, continued

9. RIH to 11,354' and spot balanced plug w/ 55 sxs of class H cement on top of CIBP also covering the top of the Wolfcamp formation.

10. PU tbg to 10,600'. Reverse circulate 22 bbls of mud-laden fluids. Flush with 147 bbls of 2% KCL, leaving mud fluids at EOT in the wellbore.

11. Allow proper time for cement to set up.

12. TIH and tag cement plug @ 10,639'.

13. TOOH. PU another 5-1/2" CIBP

14. TIH to 9,680' and set CIBP. 9680

CIBP to be set 100'-50' above perms.

15. Release from the CIBP.

16. PU 1' off the CIBP and spot balanced plug w/ 50 sxs of class H cement on top of CIBP also covering the top of the Bone Spring formation.

17. PU tbg to 9,000'. Reverse circulate 80 bbls of 2% KCL to ensure tubing is clean.

18. TOOH w/ 2-7/8" tbg and LD.

19. RU WL. RIH w/ Select fire perforating guns and a gamma ray gun.

a. Correlate gamma ray back to Halliburton "Dual Laterolog Microguard" dated 25-DEC-2005

20. Perforate 7800' - 7812' & 5720' - 5742' w/ 3 SPF, 041" EH, and 120-degree phasing.

21. RD WL. TIH w/ 7,700' of 3-1/2" 12.95# P110 Tbg, 3-1/2" x 2-7/8" XO, and 2-7/8" x 5-1/2" Treating packer to 7,700'.

a. Hydrotest 3-1/2" tbg to 6,000 psi while TIH.

22. Set Packer in 20 pts Compression at 7,700'.

23. RU Frac Crew and pressure test lines to MTP: 6,000 psi.

24. Frac the 1st stage w/ 32,000 lbs of proppant and 30,000 gals of slickwater with 17# Linear Gel and 17# XL Borate.

25. PU 3-1/2" tbg and treating packer to 5,600'. Set packer in 20 pts compression.

26. Frac the 2nd stage w/ 42,000 lbs of proppant and 35,481 gals of slickwater with 17# Linear Gel and 17 # XL Borate.

27. RU flowback equipment in such a way that production can be turned to the battery once hydrocarbons are detected.

28. Flow back well until it dies (if it flows at all).

29. TOOH w/ 3-1/2" tbg and packer.

30. RIH w/ 2-7/8" tbg and rods.

31. Return to production.

DISTRICT I
1625 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 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999

Submit to 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 30-025-37196	Pool Code 96531	Pool Name Dios Mano; Delaware, South
Property Code	Property Name PIPELINE DEEP "5" FEDERAL	Well Number 3
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3869'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	5	19 S	34 E		1650	NORTH	1340	EAST	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-5613, DHC-3883						

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>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Amithy Crawford</i> Signature</p> <p>Amithy Crawford Printed Name</p> <p>Regulatory Analyst Title</p> <p>03/13/2017 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>December 1, 2004 Date Surveyed</p> <p><i>GARY L. JONES</i> Signature & Seal of Professional Surveyor</p> <p>W.O. No. 4797</p> <p>Certificate No. Gary L. Jones 7977</p> <p>JLP BASIN SURVEYS</p>



AFE No:

Procedure Sheet – Hobbs District

PLEASE COMMENCE WITH WORK PER PROCEDURE

Pipeline Deep 5 Federal 3

Recomplete Well in Cherry Canyon and Lower Brushy

Current Well Data:

KB	28' above GL
TVD/PBTD	13,742'/13,626'
KOP	N/A Vertical Well
Perfs	Bone Spring (9692' – 9735')
	Wolfcamp (11,361' – 11,378')

Casing

Size	Weight	Grade	Thread	Set at	Cmt	Remarks
13-3/8"	48#	H-40	ST&C	432'	410 sx	cir cmt
9-5/8"	40#	K-55	LT&C	3518'	1200 sx	cir cmt
5-1/2"	17#	P-110	BT&C	13742'	2155 sx	TOC @ 1250'

Tubing

Quantity	Description	Length	Setting Depth
289	2-7/8" 6.5# L-80 8rd EUE Tubing	9,022.58	9050.58
1	TAC 5.5 X 2 7/8" w Carbide Slips	2.7	9053.28
74	2-7/8" 6.5# L-80 8rd EUE Tubing	2,366.68	11419.96
1	Mechanical SN	0.8	11420.76
1	Bull plugged perforated sub	4.1	11424.86

Rods

Quantity	Description	Length	Setting Depth
1	1.5" x 24' SM Polished rod	24	24
1	Pony Rods 2-2' N-97	4	28
121	1" Grade 97 Rods	3,025.00	3053
122	7/8" Grade 97 Rods	3,050.00	6103
205	3/4" Grade 97 Rods	5,125.00	11228
1	1.5" X 25	150	11378
1	25-125-24 RHBM w striner nipple	24	11402

Procedure:

Notify BLM 24 hours prior to starting operations

Max Treating Pressure = 6,000 psi

7700' of 3-1/2" 12.95# P110 will need to be rented for frac string



AFE No:

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2. MIRU Pulling unit.
3. Kill well if necessary w/ 2% KCL.
4. TOOH w/ Rods, Pump, and Tbg.
5. PU 4-3/4" bit and 5-1/2" casing scraper. RIH to 11,355'.
6. TOOH, LD bit and scraper. PU 5-1/2" CIBP.
7. TIH to 11,350' and set CIBP.
8. Release from the CIBP and PU 1 joint. Circulate well w/ 315 bbls of 2% KCL.
9. RIH to 11,354' and spot balanced plug w/ 55 sxs of class H cement on top of CIBP also covering the top of the Wolfcamp formation.
10. PU tbg to $\pm 10,600'$. Reverse circulate 22 bbls of mud-laden fluids. Flush with 147 bbls of 2% KCL, leaving mud fluids at EOT in the wellbore.
11. Allow proper time for cement to set up.
12. TIH and tag cement plug @ $\pm 10,639'$.
13. TOOH. PU another 5-1/2" CIBP.
14. TIH to 9,680' and set CIBP.
15. Release from the CIBP.
16. PU 1' off the CIBP and spot balanced plug w/ 50 sxs of class H cement on top of CIBP also covering the top of the Bone Spring formation.
17. PU tbg to $\pm 9,000'$. Reverse circulate 80 bbls of 2% KCL to ensure tubing is clean.
18. TOOH w/ 2-7/8" tbg and LD.
19. RU WL. RIH w/ Select fire perforating guns and a gamma ray gun.
 - a. Correlate gamma ray back to Halliburton "Dual Laterolog Microguard" dated 25-DEC-2005
20. Perforate 7800' – 7812' & 5720' – 5742' w/ 3 SPF, 041" EH, and 120-degree phasing.
21. RD WL. TIH w/ 7,700' of 3-1/2" 12.95# P110 Tbg, 3-1/2" x 2-7/8" XO, and 2-7/8" x 5-1/2" Treating packer to 7,700'.
 - a. Hydrotest 3-1/2" tbg to 6,000 psi while TIH.
22. Set Packer in 20 pts Compression at 7,700'.
23. RU Frac Crew and pressure test lines to **MTP: 6,000 psi**.
24. Frac the 1st stage w/ 32,000 lbs of proppant and 30,000 gals of slickwater with 17# Linear Gel and 17# XL Borate.



AFE No:

25. PU 3-1/2" tbg and treating packer to 5,600'. Set packer in 20 pts compression.
26. Frac the 2nd stage w/ 42,000 lbs of proppant and 35,481 gals of slickwater with 17# Linear Gel and 17 # XL Borate.
27. RU flowback equipment in such a way that production can be turned to the battery once hydrocarbons are detected.
28. Flow back well until it dies (if it flows at all).
29. TOOH w/ 3-1/2" tbg and packer.
30. RIH w/ 2-7/8" tbg and rods.
31. Return to production.



**Cimarex Energy Co. of Colorado
PIPELINE DEEP "5" FED #3**

API 30-025-37196
1650' FNL & 1340' FEL, Sec 5, Unit G, T19S R34E
Lea County, NM
GL:3869' KB: 3897'

13 3/8" 48# H-40 csg @ 432'
Cmt w/410 sx, circ to surface

17 1/2" hole to 435'

5-1/2" TOC = 1200' by TS

9 5/8" 40# K55 csg @ 3518'
Cmt w/1200 sx, circ to surface

12 1/4" hole to 3500'

DV Tool @ 9828'
Cmt w/995 sx Interfill "C"
Tail w/420 sx Super "H"
TOC @ 1250' by CBL

Bone Spring: 9692' to 9735', 3 JSPF, 42 holes (3/26/07)

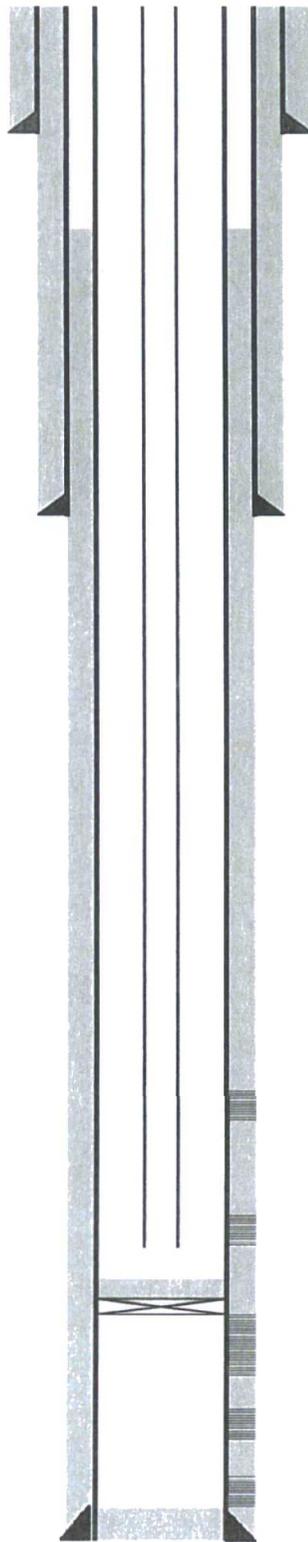
Wolfcamp: 11,361' to 11,378' w/ 3 JSPF (3/13/07)

CIBP @ 13,135' + 35' cmt (3/13/2007)
U Morrow: 13,158' - 13,400', 6 JSPF (3/29/06)

U Morrow: 13,481' to 13,495', 6 JSPF (3/12/06)

L Morrow: 13,441' to 13,550', 3 JSPF, 60 holes, (1/24/06)

5 1/2" 17# P-110 csg @ 13,742'
Cmt w/200 sx Interfil "H"
Tail w/500 sx Super "H"
DV Tool @ 9828'



PBTD: 13626'
TD: 13,742'

M Ketter, J Piwetz

Proposed



Cimarex Energy Co. of Colorado

PIPELINE DEEP "5" FED #3

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 1650' FNL & 1340' FEL, Sec 5, Unit G, T19S R34E
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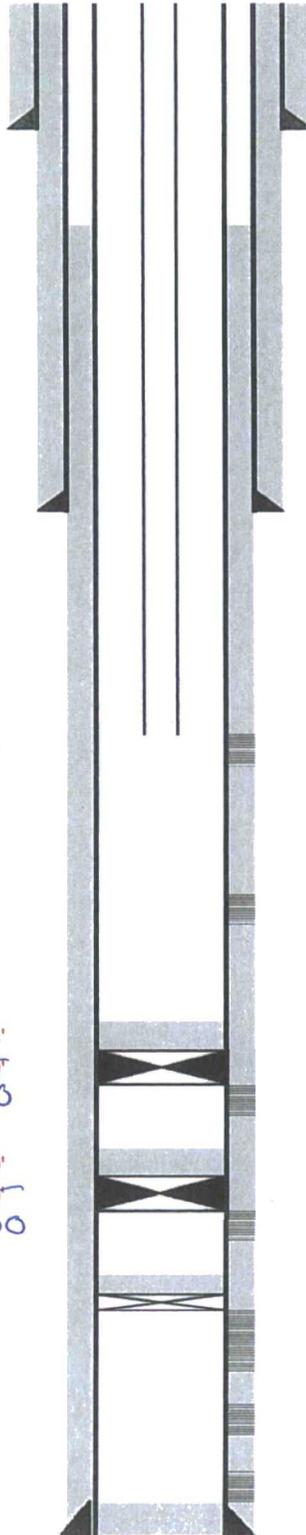
9 5/8" 40# K55 csg @ 3518'
 Cmt w/1200 sx, circ to surface

DV Tool @ 9828'
 Cmt w/995 sx Interfill "C"
 Tail w/420 sx Super "H"
TOC @ 1250' by CBL

50 Sxs Class H, TOC @ 9,034'
 CIBP @ ~~9,680'~~
 9640

55 Sxs Class H, TOC @ 10,639'
 CIBP @ ~~11,350'~~
 11,300

5 1/2" 17# P-110 csg @ 13,742'
 Cmt w/200 sx Interfil "H"
 Tail w/500 sx Super "H"
DV Tool @ 9828'



PBSD: 13626'
 TD: 13,742'

17 1/2" hole to 435'

5-1/2" TOC = 1200' by TS

12 1/4" hole to 3500'

Cherry Canyon Perfs @ 5720' - 5742'

Lower Brushy Perfs @ 7800' - 7812'

Top of Bone Spring @ 9,136'

Bone Spring: 9692' to 9735', 3 JSPF, 42 holes (3/26/07)

Top of Wolfcamp @ 10,700'

Wolfcamp: 11,361' to 11,378' w/ 3 JSPF (3/13/07)

CIBP @ 13,135' + 35' cmt (3/13/2007)

U Morrow: 13,158' - 13,400', 6 JSPF (3/29/06)

U Morrow: 13,481' to 13,495', 6 JSPF (3/12/06)

L Morrow: 13,441' to 13,550', 3 JSPF, 60 holes, (1/24/06)

M Ketter, J Piwetz

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 90th day provide this office, prior to the 90th 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 1st through June 15th 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