

R-111-POTASH  
Operator Copy

FORM APPROVED  
OSM No. 1091-0117  
Expires March 31, 2007

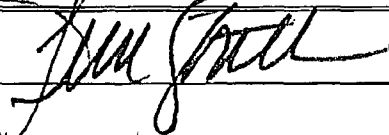
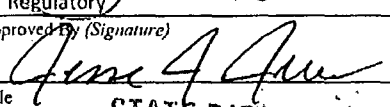
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NM-15906
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator Cimarex Energy Co of Colorado		7. If Unit or CA Agreement, Name and No.
3a. Address 600 N Marienfeld St Ste 600 Midland TX 79701		8. Lease Name and Well No. Snoddy Federal No. 21H
3b. Phone No. (include area code) 432-571-7800		9. API Well No. 30-025-
According to the NM State Engineer, depth to ground water is 40 feet. Fresh water zones will be protected by At Surface 768' FNL & 555' FEL At proposed prod. Zone 330' FSL & 526' FEL Horizontal Bone Spring test		10. Field and Pool, or Exploratory Salt Lake; Bone Spring
11. Sec., T. R. M. or Blk. and Survey or Area 26-20S-32E		12. County or Parish Lea
13. State NM		
14. Distance in miles and direction from nearest town or post office* 30.5 miles ENE from Carlsbad, NM	15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line if any) 555'	16. No of acres in lease Sec. 26 640 acres
17. Spacing Unit dedicated to this well	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 50' from #22H	19. Proposed Depth MD 13868' TVD 9900'
20. BLM/BIA Bond No. on File NM-2575	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3555' GR	22. Approximate date work will start* 12.01.12
23. Estimated duration 25-30 days	24. Attachments	

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor
- A Drilling Plan
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
- Operator Certification
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Terri Statham	Date 9.5.12
Title Regulatory		
Approved By (Signature) 	Name (Printed/Typed) Jesse J. Juon	Date 10/19/12
Title STATE DIRECTOR	Office NM STATE OFFICE	

Application approval 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.

Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

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)

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

Oil Conservation Division  
Case No. 14921-22-23  
Exhibit No. 1A

Capitan Controlled Water Basin  
Approval Subject to General Requirements  
& Special Stipulations Attached

DISTRICT I  
1828 N. French Dr., Hobbs, NM 88240

DISTRICT II  
1901 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

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

Form C-102  
Revised October 16, 2009

Submit one copy to appropriate  
District Office

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

☐ AMENDED REPORT

API Number <b>30-025-</b>	Pool Code <b>53560</b>	Pool Name <b>Salt Lake; Bone Spring</b>
Property Code	Property Name <b>SNODDY FEDERAL</b>	Well Number <b>21H</b>
OGRIID No. <b>162683</b>	Operator Name <b>CIMAREX ENERGY CO. OF COLORADO</b>	Elevation <b>3555'</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>A</b>	<b>26</b>	<b>20 S</b>	<b>32 E</b>		<b>768</b>	<b>NORTH</b>	<b>555</b>	<b>EAST</b>	<b>LEA</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
<b>P</b>	<b>26</b>	<b>20 S</b>	<b>32 E</b>		<b>330</b>	<b>SOUTH</b>	<b>526</b>	<b>EAST</b>	<b>LEA</b>

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

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><b>SURFACE LOCATION</b> Lat - N 32°32'57.38" Long - W 103°43'48.44" NMSPC- E 727204.3 (NAD-83)</p> <p><b>PROPOSED BOTTOM HOLE LOCATION</b> Lat - N 32°32'16.09" Long - W 103°43'48.11" NMSPC- E 727256.037 (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 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 previously entered by the division.</p> <p>Signature: <i>Terril Statham</i> Date: 9-5-12</p> <p>Printed Name: <b>Terril Statham</b></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: <i>9-5-12</i> Signature &amp; Seal of Professional Surveyor: <i>Gary L. Jones</i></p> <p>Certificate No. <b>Gary L. Jones 7977</b></p> <p><b>BASIN SURVEYS</b></p>
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R-111-POTASH

Operator Copy

FORM APPROVED  
OMB No. 1094-0137  
Expires March 31, 2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.  
NM-15906  
6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☒ DRILL ☐ REENTER

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

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.

Snoddy Federal No. 22H

2. Name of Operator

Cimarex Energy Co of Colorado

9. API Well No.

30-025-

3a. Address

600 N Marienfeld St Ste 600 Midland TX 79701

3b. Phone No. (include area code)

432-571-7800

10. Field and Pool, or Exploratory

Salt Lake; Bone Spring

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At Surface 797' FNL & 596' FEL

At proposed prod. Zone 330' FSL & 990' FWL Horizontal Bone Spring test

11. Sec., T. R. M. or Blk. and Survey or Area

26-20S-32E

14. Distance in miles and direction from nearest town or post office\*

30.5 miles ENE from Carlsbad, NM

12. County or Parish

Lea

13. State

NM

15. Distance from proposed\*

location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line if  
any) 596'

16. No of acres in lease

640 acres

17. Spacing Unit dedicated to this well

18. Distance from proposed location\*

to nearest well, drilling, completed,  
applied for, on this lease, ft.

50' from #20H

19. Proposed Depth

MD 15246'

TVD 9900'

20. BLM/BIA Bond No. on File

NM2575

NM8000835

21. Elevations (Show whether DF, KDB, RT, GL., etc.)

3555' GR

22. Approximate date work will start\*

01.01.13

23. Estimated duration

25-30 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor
2. A Drilling Plan
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPD shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator Certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Name (Printed/Typed)

Date

Terri Stathem

9.5.12

Title

Regulatory

Approved By (Signature)

Name (Printed/Typed)

Date

Title

Office

NM STATE OFFICE

Application approval 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.

Conditions of approval, if any, are attached.

Title 18 U.S.S. 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)

APPROVAL FOR TWO YEARS

Approval Subject to General Requirement  
Special Stipulations Attached

Oil Conservation Division  
Case No. 1B  
Exhibit No. 1B

Capitan Controlled Water Basin  
E ATTACHED FOR  
CONDITIONS OF APPROVAL

1025 N. French Dr., Hobbs, NM 88240

## DISTRICT II

1301 W. Grand Avenue, Artesia, NM 88210

### DISTRICT III

1000 Rio Draxon 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**

**OIL CONSERVATION DIVISION**

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102

Revised October 15, 2000

**Submit one copy to appropriate  
District Office**

# WELL LOCATION AND ACREAGE DEDICATION PLAT

**□ AMENDED REPORT**

API Number		Pool Code	Pool Name
Property Code	Property Name SNODDY FEDERAL		Well Number 22H
OCRID No.	Operator Name CIMAREX ENERGY CO. OF COLORADO		Elevation 3555'

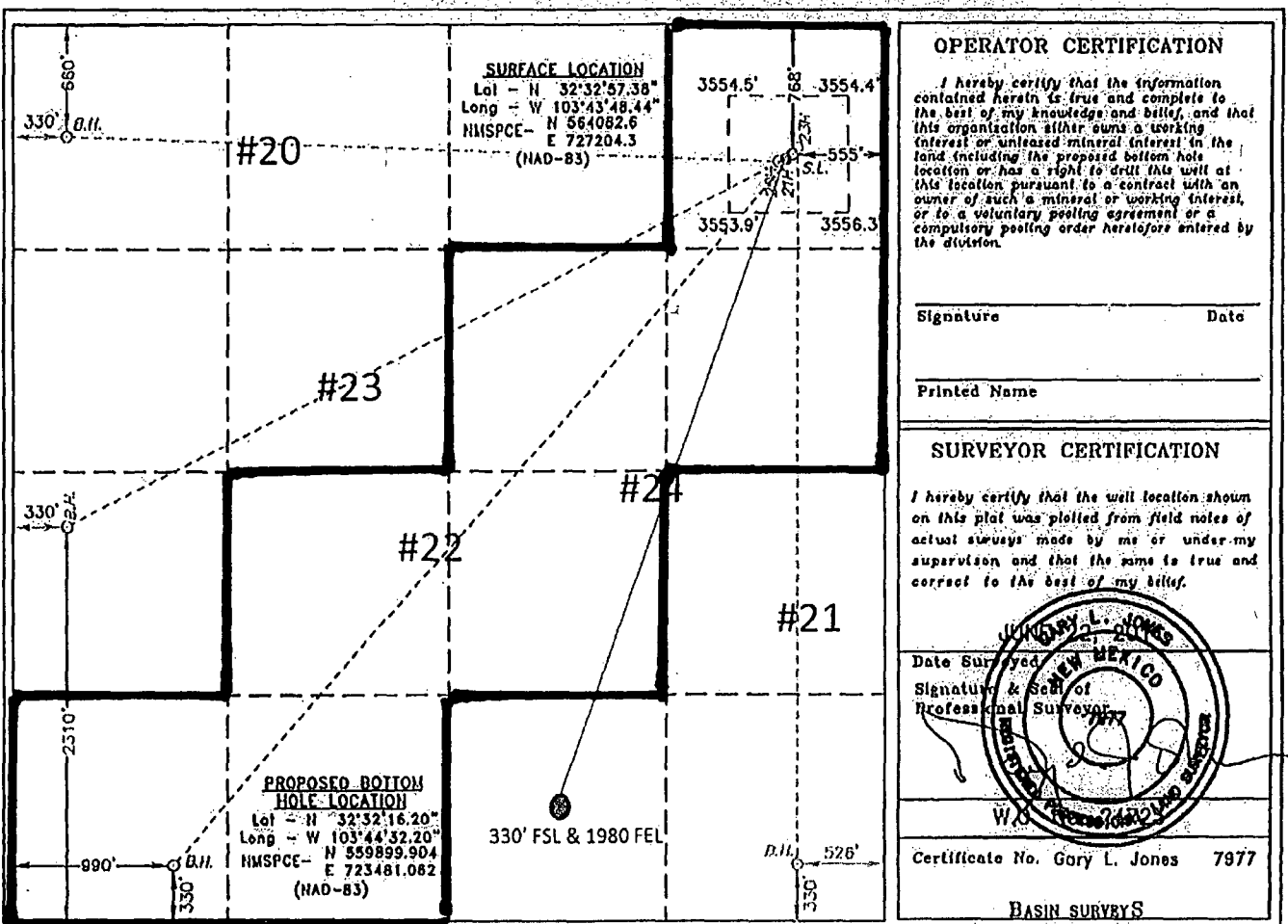
### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	26	20 S	32 E		768	NORTH	555	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
N	26	20 S	32 E		330	SOUTH	990	WEST	LEA
Dedicated Acres		Joint or Infill	Consolidation Code		Order No.				

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



Operator Copy

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT **R-111-POTASH**

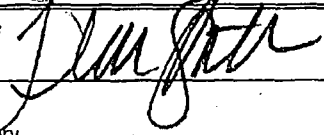
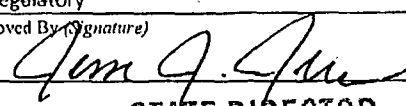
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NM-15906
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator Cimarex Energy Co of Colorado		7. If Unit or CA Agreement, Name and No.
3a. Address 600 N Marienfeld St Ste 600 Midland TX 79701		8. Lease Name and Well No. Snoddy Federal No. 23H
3b. Phone No. (include area code) 432-571-7800		9. API Well No. 30-025-
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At Surface 811' FNL & 644' FEL At proposed prod. Zone 2310' FSL & 330' FWL Horizontal Bone Spring test		10. Field and Pool, or Exploratory Salt Lake; Bone Spring
14. Distance in miles and direction from nearest town or post office* 30.5 miles ENE from Carlsbad, NM		11. Sec., T. R. M. or Blk. and Survey or Area 26-20S-32E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line if any) 644'	16. No of acres in lease	12. County or Parish Lea
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 152'	19. Proposed Depth MD 14512' TVD 9900'	13. State NM
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3555' GR	22. Approximate date work will start* 02.01.13	17. Spacing Unit dedicated to this well Sec. 26 640 acres
		20. BLM/BIA Bond No. on File NM-2575
		23. Estimated duration 25-30 days

**24. Attachments**

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan  | 5. Operator Certification  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Terri Stathem	Date 07.06.12
Title Regulatory		
Approved By (Signature) 	Name (Printed/Typed) Jesse J. Jurn	Date 10/19/12
Title STATE DIRECTOR	Office NM STATE OFFICE	

Application approval 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.

Conditions of approval, if any, are attached.

**APPROVAL FOR TWO YEARS**

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\*(Instructions on page 2)

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

Oil Conservation Division  
Case No. 1C  
Exhibit No. 1C

Capitan Controlled Water Basin

Approval Subject to General Requirements  
& Special Stipulations Attached

## DISTRICT I

1520 N. French Dr., Hobbs, NM 58240

## DISTRICT II

1501 W. Grand Avenue, Artesia, NM 88210

## DISTRICT III

1000 Rio Drazos Rd., Arleo, NM 87410

## DISTRICT IV

1290 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102

Revised October 16, 2009

Submit one copy to appropriate  
District Office

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-	Pool Code 53560	Pool Name Salt Lake; Bone Spring
Property Code	Property Name SNODDY FEDERAL	Well Number 23H
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3555'

## Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	26	20 S	32 E		811	NORTH	644	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
L	26	20 S	32 E		2310	SOUTH	330	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

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><b>PROPOSED BOTTOM HOLE LOCATION</b> Lat - N 32°32'35.81" Long - W 103°44'39.89" NMSPCE - N 561877.575 E 722811.574 (NAD-83)</p> <p><b>SURFACE LOCATION</b> Lat - N 32°32'56.96" Long - W 103°43'49.47" NMSPCE - N 564038.6 E 727115.8 (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 undivided 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 entered by the Division.</p> <p>Signature: <i>Terri Stathem</i> Date: 9-5-12</p> <p>Printed Name: Terri Stathem</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: 9-5-12 Signature &amp; Seal of Professional Surveyor: <i>Gary L. Jones</i> Certificate No. Gary L. Jones 7977</p> <p>W. J. Jones BASIN SURVEYS</p>