

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-~~HOBB~~ HOBB

FORM APPROVED  
OMB No 1004-0135  
Expires July 31, 1996

**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.**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>NM-056376</b>
2. Name of Operator <b>Cimarex Energy Co. of Colorado</b>		6. If Indian, Allottee or Tribe Name
3a. Address <b>PO Box 140907; Irving, TX 75014-0907</b>	3b. Phone No (include area code) <b>972-401-3111</b>	7. If Unit or CA/Agreement, Name and/or No
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>N-30-19S-34E 1200' FSL &amp; 1980' FWL</b>		8. Well Name and No <b>Mescalero 30 Federal No. 2</b>
		9. API Well No. <b>30-025-36040</b>
		10. Field and Pool, or Exploratory Area <b>Gem; Strawn</b>
		11. County or Parish, State <b>Lea County, NM</b>

**12. CHECK 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"/> Fracture Treat	<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 checked="" type="checkbox"/> Other <b>Add Bone Spring</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>and DHC w/ Strawn</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The Mescalero 30 Federal No. 2 is currently producing 79 bbls oil and 111 mcf gas per day from Gem; Strawn perfs at 12-238'-12278.' There is a CIBP @ 13190' covering Morrow perfs at 13212'-13430.' Cimarex proposes adding Bone Spring and Downhole Commingling with Strawn by performing the following operations:

TOH w/ tubing and set CBP @ 9800.' Perf Bone Spring 9592'-9638' w/ 3 jsfp, 111 holes. Acidize Bone Spring w/ 3600 gal 15% NeFe DI HCl and 160 ball sealers. Obtain swab/flow test for Bone Spring. Drill out CBP @ 9800.' TIH w/ new 2-7/8" tubing and install new rod 2-2324252627282930. pump. Put well on production as DHC Gem; Strawn and Apache Ridge; Bone Spring oil well.\* Please see attached procedure, plat.

\* Will Calculate DHC percentages based on subtraction method for Strawn and swab/flow test for Bone Spring.

DHC Application in progress at NMOCD.

DHC 3946

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) <b>Natalie Krueger</b>	Title <b>Reg Analyst</b>
Signature <i>Natalie Krueger</i>	Date <b>September 7, 2007</b>

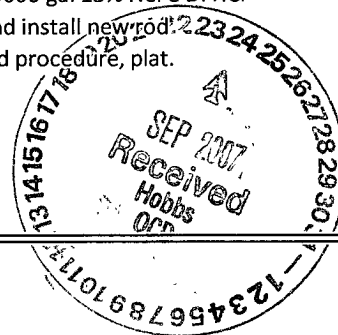
**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by <b>/S/ DAVID R. GLASS</b>	Title <b>PETROLEUM ENGINEER</b>	Date <b>SEP 19 2007</b>
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 <b>SUBJECT TO LIKE APPROVAL BY STATE</b>

Title 18 U S C Section 1001, makes 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 reverse)

GW



DISTRICT I  
1825 N. French Dr., Hobbs, NM 88240  
DISTRICT II  
811 South First, Artesia, NM 88210

DISTRICT III  
1006 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 30-025-36040	Pool Code 2260	Pool Name Apache Ridge; Bone Spring
Property Code	Property Name MESCALERO 30 FEDERAL	Well Number 2
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3641'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	30	19 S	34 E		1200	SOUTH	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. Amendment to NSL-5579 and DHC pending						

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

	<b>OPERATOR CERTIFICATION</b>  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.   Signature Zeno Farris Printed Name Mgr Operations Admin Title 09-07-07 Date
	<b>SURVEYOR CERTIFICATION</b>  I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by myself or under my supervision, and that the same is true and correct to the best of my belief.  FEBRUARY 4, 2002 Date Surveyed  Signature Professional Surveyor NEW MEXICO 7977 W.O. No. 2269 Certified by Gary L. Jones 7977 PROFESSIONAL LAND SURVEYOR

# **CIMAREX ENERGY CORPORATION**

## **Mescalero "30" Federal #2**

### **Quail Ridge RECOMPLETION PROCEDURE August 23, 2007**

#### **OBJECTIVE:**

Add Bone Spring carbonate pay, flow down, and install rod pump to commingle Bone Spring and Strawn.

#### **WELL DATA:**

<b>Elevation:</b>	3664 RKB (23' AGL)	
<b>TD:</b>	13756'	<b>PBTD: 13155' (FC)</b>
<b>Casing:</b>	13 3/8, 48#, H40, ST&C @ 445'. Cement Circulated	
	9 5/8" 40# NS-110HC 8rd LTC @ 3525. Cement Circulated	
	5 1/2" 17# P110 LTC @ 13750' Cement Circulated 2 <sup>nd</sup> Stage only	
<b>Casing Leak:</b>	<b>@ 5012-5041--Squeezed</b>	
<b>Morrow Perfs:</b>	13,212 – 13,430' (Non-continuous) - CIBP @ 13,190' w/ 35' cmt	
<b>Strawn Perfs:</b>	12,238-48, 12,264-78	
<b>Tubing:</b>	2 3/8", 4.7#, 8R, EUE	
<b>Correlation Log:</b>	Halliburton CBL Dated 8/26/03	

#### **PROCEDURE**

1. Submit DHC application for Strawn and Bone Spring. Make preparations to purchase pumping unit.
2. MIRU PU, NU BOP. RIH w/ bull plug and 4 joints 2-3/8" tubing on sandline and make sure casing clear to 12,600'. Kill well with 2% KCl and TOH w/ tubing.
3. RIH w/ CBP and set at 9800'±. TIH w/ tubing and packer to 6000'±. Set packer and test casing/CBP to 2000 psi. TOH.
4. Perf Bone Spring Airstrip Dolomite 3 JSPF phased 120 degrees using premium charges as follows:
  - **9,592-9,616', 9,619-9,627', 9,634-9,638' (36', 111 holes)**
5. TIH with tubing and treating packer to 9,550'. Test tubing in the hole to 6500 psi. Spot acid to packer and set packer. Acidize Bone Spring perforations with 3600 gallons 15% NEFE DI HCl and 160 ball sealers for diversion. Obtain ISIP and one second data for one hour. Flow/swab back load. Record estimated oil and gas rates in the daily report for use in DHC allocation. If well will maintain flow, plan to rig down unit and flow test Bone Spring until it flows down. Otherwise, continue on.
6. TOH with tubing and packer. Pick up bit and TIH to drill out CBP at 9800'. TOH, laying down 2-3/8". Pick up, drift and visually inspect 2-7/8" new production string, with BHA for pumping from 12,325'±. Run pump and rods.
7. Install pumping unit and put well on production. Submit producing percentages for DHC based on subtraction method using swab/flow results of Bone Spring.