

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

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.

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

5. Lease Serial No.

NM-056376

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Mallon 30 Federal No. 43

9. API Well No.

30-025-34448

10. Field and Pool, or Exploratory Area

Quail Ridge; Bone Spring, South

11. County or Parish, State

Lea County, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Cimarex Energy Co. of Colorado

3a. Address

PO Box 140907; Irving, TX 75014-0907

3b. Phone No. (include area code)

972-401-3111

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

30-19S-34E

1980' FSL & 860' FEL

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 checked="" 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 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 recompleat 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 recompleat 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 Mallon 30 Federal No. 43 is currently TA with a CIBP @ 9180' covering unproductive Bone Spring perms from 9218'-9550', a CIBP covering Morrow perms from 13202'-13234' and another CIBP covering Morrow perms from 13332'-13380'. Cimarex proposes the following operations:

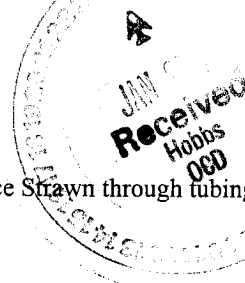
Drill out CIBP @ 9180'.

Perf Strawn 12217'-12256' 3 spf, 69 holes.

Acidize Strawn with 3450 gal 15% HCl Strawn Acid using 100 balls.

Frac Strawn per recommendation at time using 60000# 18/40 Ultraprop.

Set Arrowset packer with on/off tool on 2-3/8" production tubing above Strawn interval. Produce Strawn through tubing (in-Gem; Strawn, East pool).



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Natalie Krueger

Signature

Natalie Krueger

Title

Reg Analyst 1

Date

January 9, 2007

Approved by

Chris Williams

OCD DISTRICT SUPERVISOR

GENERAL MANAGER

Date

FEB 06 2007

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

JAN 23 2007

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 or to any officer or employee thereof, any false, fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

FREDERICK WRIGHT
PETROLEUM ENGINEER

MALLON 30 FEDERAL #43 STRAWN RECOMPLETION

API # 30-025-34448

1980' FSL & 860' FEL

Section 30, 19S, R-34E

Lea County, New Mexico

GL : 3668'

KB : 3689'

TD DRILLER : 13800'

SURF CSG : 13-3/8" OD 54.4#/FT J-55 AT 657' W/ 400 SX. TOC 0' (CIRC)

INTER CSG: 9-5/8" OD 40#/FT K-55 AT 4217' W/ 1800 SX. TOC 0' (CIRC)

PROD CSG : 5-1/2" OD 17# N-80/P-110 @ 13800' W/ 2515 SX. TOC 0' (CIRC'D BOTH STGS)

DV TOOL AT 9028' (9022' PER CBL)

ID=4.892", DRIFT=4.767", MIN BURST=7740 PSI (N-80), CAPACITY=0.9764 GAL/LF

TUBING: NONE

PERFS: MORROW: 13,372-380' (54 HOLES); 13,332-338' (42 HOLES); CIBP @ 13,325';
13,294-299' (36 HOLES), 13,280-287' (48 HOLES), 13,264'-271' (48 HOLES); 13,202'-
234' (320 HOLES); CIBP @ 13130'
BONE SPRING: 9545-50', 9515-20', 9496-9500', 9486-88', 9442-64', 9393-9408' (354
HOLES); 9228-38', 9218-24' (108 HOLES) CIBP @ 9180'

1. SPOT TUBING FLOAT CONTAINING 420 JOINTS 2-7/8" WORKSTRING AND 1-500 BARREL FRAC TANK FULL OF 7% KCL WATER. MIRU PULLING UNIT. CHECK WELLHEAD FOR PRESSURE. IF NO PRESSURE, ND WELLHEAD AND NU BOPS.
2. PU AND TIH WITH 4-3/4" BIT, DRILL COLLARS AND 2-7/8" TUBING. TAG CEMENT ON TOP OF CIBP AT ~9145'. LOAD HOLE AND TEST CASING TO 1000 PSI. DRILL OUT CEMENT AND CIBP AT 9180'. NOTE TALLY DEPTH OF PLUG TO COMPARE WITH WIRELINE DEPTH FOR FUTURE TUBING CORRELATIONS. CONTINUE IN HOLE TO 12,500'. CIRCULATE HOLE CLEAN WITH 220 BARRELS 7% KCL. TOH WITH TUBING, DRILL COLLARS AND BIT, LAYING DOWN.
3. RIG UP WIRELINE. PERFORATE **STRAWN** AT THE FOLLOWING DEPTHS: **12,217-228' AND 12,244'-256'** (3 SPF, 120 DEG PHASING, PREMIUM CHARGES, TOTAL HOLES = 69). (CORRELATE TO HALLIBURTON GR/CCL/CBL DATED 11/13/2002.) RDMO WIRELINE.
4. PU AND TIH WITH PACKER/RBP (WITH BALL CATCHER) ON 2-3/8" L-80 PRODUCTION TUBING. MIRU ACID COMPANY. PICKLE TUBING USING 300 GALLONS 15% ACID FOLLOWED BY 40 BARRELS 7% KCL. REVERSE ACID TO SURFACE USING 48 BARRELS 7% KCL. BREAKDOWN EACH SET OF PERFORATIONS USING 150 GAL / FT 15% HCL STRAWN ACID. TOTAL ACID - 3450 GALLONS. IF COMMUNICATION EXISTS, PULL UPHOLE ABOVE ALL PERFORATIONS AND PUMP BALL JOB (100 BALLS) WITH REMAINING ACID. MAX PRESSURE 8000 PSI DURING ACID JOB. SWAB BACK ACID LOAD UNTIL PH >5.5.
5. KILL TUBING WITH 7% KCL WATER. TOH WITH TUBING, PACKER AND RBP. TIH W/ TREATING PACKER AND 3-1/2" P-110 FRAC STRING TO 9700'. HYDROTEST IN THE HOLE, TESTING BELOW THE SLIPS TO 10,000 PSI. SET AND FILL TWO FRAC TANKS WITH 7% KCL WATER FOR FRAC.
6. NIPPLE UP FRAC STACK, TREE SAVER AND FLOWBACK MANIFOLD. RIG UP FOR IMMEDIATE FLOWBACK. TEST LINES TO 10,000 PSI. LOAD THE BACKSIDE AND ATTEMPT TO MAINTAIN 300 PSI THROUGHOUT FRAC JOB. FRAC STRAWN PER RECOMMENDATION USING 60,000# 18/40 ULTRAPROP. RECORD ISIP, 5, 10 AND 15 MINUTE PRESSURES. FLOWBACK WELL TO FRAC TANK UNTIL IT FLOWS DOWN.

7. KILL WELL WITH TREATED 7% KCL WATER. TOH WITH FRAC STRING AND PACKER. IF NECESSARY, RUN IN HOLE WITH WIRELINE SET ARROWSET PACKER WITH PLUG INSTALLED. RIH W/ ON-OFF TOOL ON 2-3/8" PRODUCTION STRING. LOAD BACKSIDE WITH PACKER FLUID. LATCH ONTO PACKER. REMOVE PLUG FROM TUBING AND BEGIN PRODUCING WELL.
8. IF WELL REQUIRES ARTIFICIAL LIFT, SUBMIT DHC APPLICATION TO COMMINGLE WITH BONE SPRING EXISTING PERFORATIONS. BONE SPRING SHOULD BE LOOKED AT FOR FRACTURE STIMULATION IN THE 1ST SAND DUE TO OFFSET CUM PRODUCTION OF 240 MBO.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer 122, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Artec, NM 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34448	Pool Code	Pool Name Gem; Strawn, East
Property Code	Property Name Mallon 30 Federal	Well Number 43
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3666

Surface Location

UL or lot No. 1	Section 30	Township 19 S	Range 34 E	Lot Idn	Feet from the 1980	North/South Line SOUTH	Feet from the 860	East/West line EAST	County LEA
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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
Dedicated Acres 40	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

LOT 1 40.19 AC.				
LOT 2 40.36 AC.				
LOT 3 40.54 AC.				
LOT 4 40.71 AC.				

Diagram showing well location and dimensions:

3662.7' 3663.1' 860' 3663.4' 3670.8' 1980'

OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Zeno Farris
Signature
Zeno Farris
Printed Name
Mgr Operations Admin
Title
01-08-06
Date

SURVEYOR CERTIFICATION

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.

FEBRUARY 2, 1998
Date Surveyed
JLP
Signature & Seal of Professional Surveyor
RONALD Y. EIDSON
Certified Professional Surveyor
No. 98-1-0374
3239 12841 12185