

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

DEC - 2 2008

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.

OCD-ARTESIA



SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> 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) 660 FNL & 1500 FWL 34-20S-26E	

5. Lease Serial No. NM-101093
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. Brantley Federal No. 1
9. API Well No. 30-015-31414
10. Field and Pool, or Exploratory Area Springs; Morrow (Gas)
11. County or Parish, State Eddy County, NM

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 Add additional Morrow perfs
	<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 Brantley Federal #1 well is currently shut-in with Morrow perfs @ 10264'-10266' and 10270'-10276' and 10303'-10308.'

Cimarex proposes to perform the following operations in order to add additional Morrow pay:

TOOH w/ rod pump and tubing.

Perf Morrow 10059'-10066' and 10131'-10135' and 10160'-10165' and 10219'-10222' 2 jsf, 46 holes.

Set pkr @ 10000' and acidize Morrow perfs 10059'-10308' (including perfs from original completion) w/ 5000 gal 7% HCl with 150 ball sealers and 6% KCl flush.

Set RBP @ 10240' and frac Morrow perfs 10059'-10222' only w/ CO₂ foam and sand as recommended.

Release RBP and turn well to sales again as Springs; Morrow gas well.

ACCEPTED FOR RECORD

Please see attached WBD and proposed procedure.

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

Natalie Krueger

Signature

Natalie Krueger

Title DEC 3 - 2008

General District Inspector
NM District U ARTESIA

November 14, 2008

APPROVED

NOV 28 2008

JAMES A. AMOS
SUPERVISOR-EPS

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
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	

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)

Brantley Federal #1

Add Morrow Recompletion Procedure

Well Data:

KB	17' above GL
TD	10379'
PBTD	10372'
Casing	13-3/8" 48# H-40 @ 435'. Cmt'd w/ 375 sx. Cmt circ. 9-5/8" 36# J-55 @ 2807'. Cmt'd w/ 750 sx. Cmt circ. 5-1/2" 17# N-80 @ 10379'. Cmt'd w/ 750 sx. TOC @ 5600' by CBL.
Perfs	Morrow (10264' – 10308')

Procedure:

1. MIRU pulling unit. Kill well w/ 6% KCl wtr. TOOH w/ rods and pump. ND WH, NU BOP. Release TAC and TOOH w/ tbg & TAC.
2. TIH w/ bit and csg scraper and CO to PBTD of 10372'. TOOH w/ bit and scraper.
3. RU wireline, Perforate Morrow (10059' – 66', 10131' – 35', 10160' – 65', 10219' – 22') 2 JSPF w/ 4" casing guns and premium charges. Total of 46 holes. Depth Reference log Schlumberger Three Detector Litho-Density Comensated Neutron Log dated December 23, 2000.
4. TIH w/ 5-1/2" treating pkr on 2-3/8" tbg and set pkr @ $\pm 10000'$. Pressure test csg to 2000 psig. RU stimulation company and acidize Morrow perfs (10059' – 10308') w/ 5000 gals of 7-1/2% HCl at 4 BPM down 2-3/8" tbg utilizing 150 ball sealers. Flush w/ 6% KCl. Record shut in pressures digitally for one hour. TOOH w/ tbg and pkr.
5. TIH w/ 5-1/2" RBP and set RBP @ $\pm 10240'$. TOOH w/ tbg. ND BOP, NU frac valve and wellhead isolation tool. RU stimulation company and frac Morrow perfs (10059' – 10222') w/ CO₂ foam and sand down casing as per recommendation.
6. Flow back well and report results.
7. Kill well if necessary. ND frac valve and NU BOP. TIH and retrieve RBP. TOOH w/ RBP and tbg. TIH w/ 2-7/8" 6.5# L-80 tbg and TAC and set TAC. ND BOP and NU WH, TIH w/ rods and pump and put well on production.



Cimarex Energy Co. of Colorado

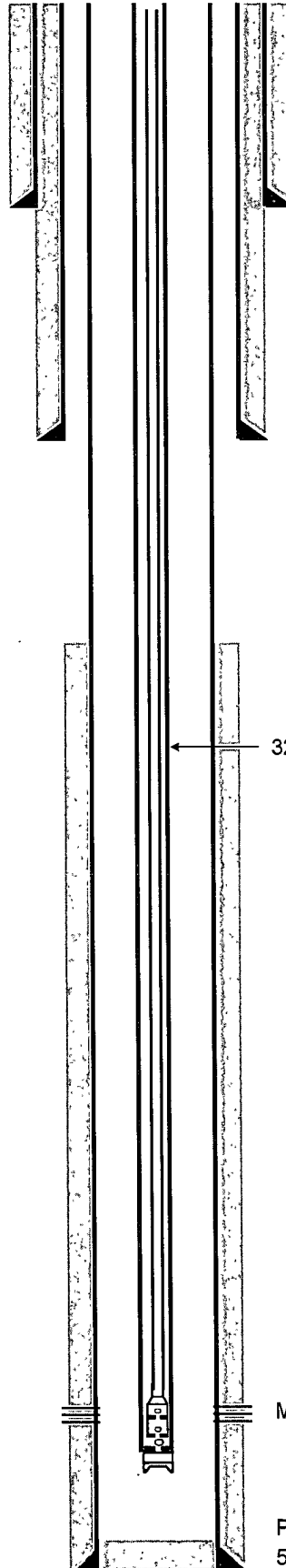
Brantley Federal #1

660' FNL & 1500' FWL

Sec. 34, T-20-S, R-26E, Eddy Co., NM

S. Gengler

09/04/2008



13 3/8", 48# H-40 csg @ 435'
cmt'd w/ 375 sx. Cmt Circ

9 5/8", 36# J-55 csg @ 2807'
cmt'd w/ 750 sx. Cmt Circ

TOC @ 5600' by CBL

327 jts 2 7/8" 6.5# 8rd L-80 Tbg

Rods - 259 3/4" Norris 97 Rods
144-7/8" Norris 97 Rods
1-7/8" Pony Rod & 9-1-1/2" Kbars
Pump - 2-1/2" X 1-1/4" X 20' X 24' RHBC

Morrow perms (10264' - 10308')

PBTD @ 10372'
5 1/2", 17# N-80 @ 10379' cmt'd w/ 750 sx
TD @ 10379'