

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**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. NMNM124659
2. Name of Operator CIMAREX ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
Contact: TERRI STATHEM E-Mail: tstathem@cimarex.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1936	8. Well Name and No. BURTON 6 FEDERAL 1
4. Location of Well (Footage, Sec., T, R, M, or Survey Description) Sec 6 T20S R30E Mer NMP NWNW 150FNL 660FWL		9. API Well No. 30-015-38226
		10. Field and Pool, or Exploratory PARKWAY; BONE SPRING
		11. County or Parish, and State EDDY COUNTY, NM

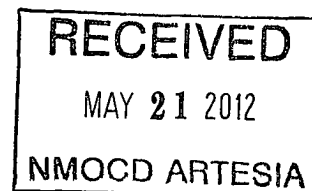
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA.

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 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 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.)

Cimarex Energy Co. of Colorado respectfully request approval to plugback from the Cisco Canyon lateral and produce from the original Bone Spring lateral according to the attached procedure.

Please see attached procedure, before and after wellbore diagrams for your review and approval.

Accepted for record  
NMOCD 5/22/2012SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

BLM PET witness required.

14. Thereby certify that the foregoing is true and correct.	
Electronic Submission #135822 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 04/19/2012 ()	
Name (Printed/Typed) TERRI STATHEM	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 04/19/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	<b>APPROVED</b> MAY 17 2012 WESLEY W. INGRAM PETROLEUM ENGINEER	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 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.			

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

**Burton 6 Fed #1**  
**Return well to Production**

Well Data:

TD 11,795' (MD) & 8410' (TVD)  
PBSD 11,749' (MD)

Casing 16" 65# H-40 BTC @ 330'.  
11 3/4" @ 1605'.  
8 5/8" 32# J-55 & K-55 @ 3502'.  
5 1/2" 17# P-110 BT&C @ 11,784'.

KOP's 8080' (OH), 2<sup>nd</sup> lateral window 8007-8017

Perfs 8454-9111, 9330-9987, 10206-10863, & 11080 – 11739.

Open Hole 7 7/8" hole drilled to 8555' TD.

Procedure:

- See COA
1. Set rig anchors. MIRU PU. Offload 8300' 2 7/8 L-80 work string. NUBOP.
  2. TIH w/ retrieving tool for Weatherford RBP. Release RBP @ 7805' & pooh.
  3. MU & RIH w/ fishing assembly for whipstock. POOH w/ whipstock.
  4. RIH w/ tbg and spot cement plug in & out of window 8007-8017'.
  5. MU and RIH w/ bit, stiff string centralizers, and collars for 5 1/2" 17# csg. MIRU reverse unit. Drill out CIBP and cement. Monitor returns at 7950' for cement quality. Continue to drill out across window carefully to stay in vertical hole section. Test cement squeeze to 1000 psi for 30 minutes. Report results to office. Repeat squeeze if needed.
  6. Continue in hole to CIBP @ 8020'. Drill out CIBP. Pooh and lay down stiff string centralizers. RIH w/ bit and collars (note KOP of original lateral @ 8080' – plug set at 39 deg Incl). Tag cement @ 8278' and drill down to top of next CIBP @ 8330'. Pooh w/ bit. RIH w/ shoe w/ diamonds and wires (or pkr plucker design). Cut over CIBP attempting to catch it in the shoe. Pooh laying down BHA.
  7. MU and RIH w/ 3800' of 2 3/8 Hydril tbg (bit or mill to be determined on success of retrieving CIBP @ 8330'), crossover, & 2 7/8 L-80 tbg. MIRU foam air unit. Clean out horizontal section of 5 1/2 csg to PBSD of 11,749'. Short trip as needed to maintain circulation and prevent sand from collecting in curve.
  8. Pooh laying down 2 7/8 & 2 3/8 Hydril work strings. PU & RIH w/ production tbg and rods as originally pulled prior to plugging back. Restore well to production.

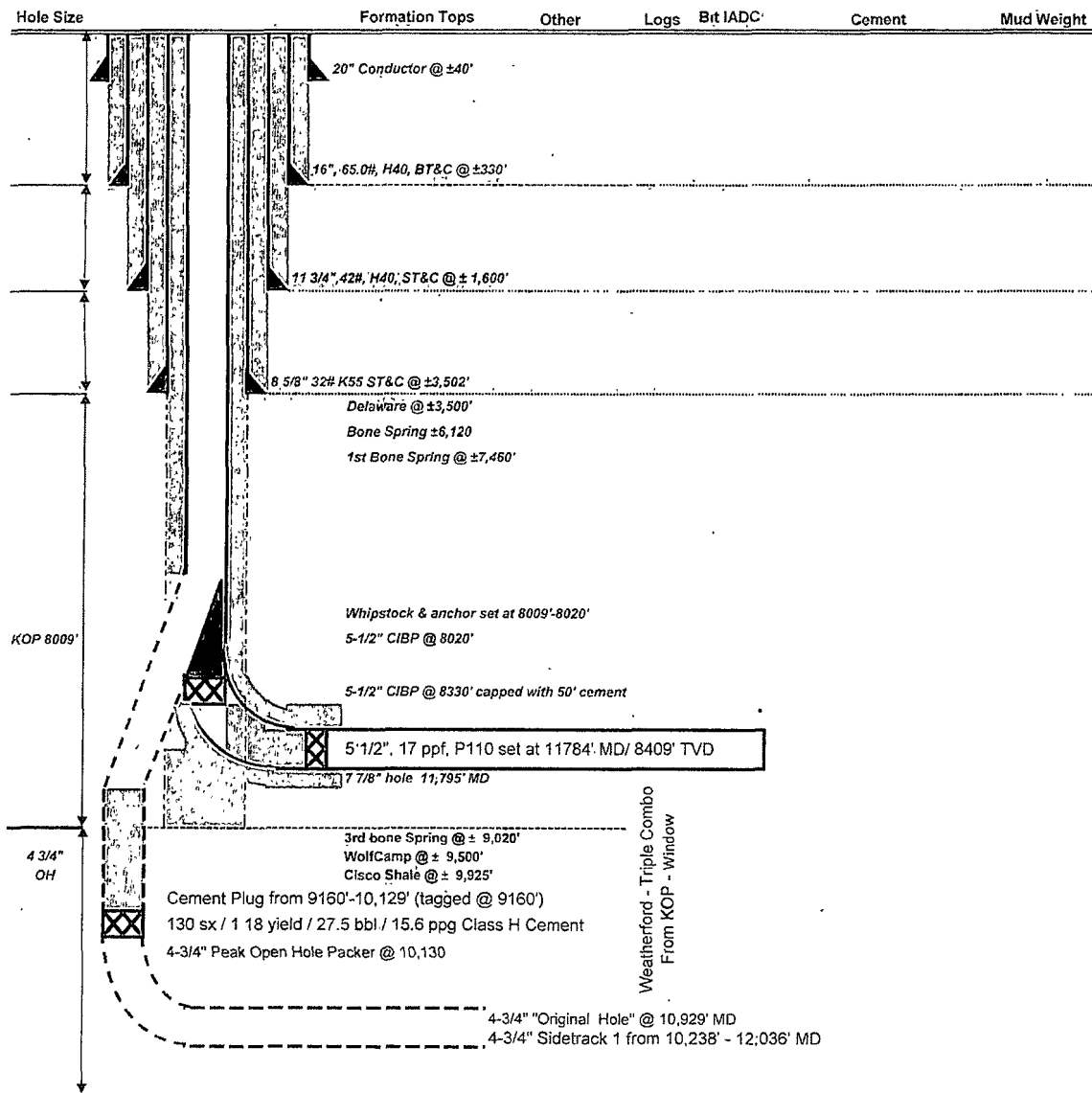


# DRILLING PROGNOSIS Cimarex Energy Company

4/18/2012

Well: Burton 6 Federal #1H Reentry  
Location: Sec 6, T20S-R30E  
County, State: Eddy County, NM  
Lat / Long: N32° 36' 33.38" W104° 01' 03.69"  
Surface Location: 150 FNL, 660 FWL  
Bottomhole Loc: 660 FSL 690 FWL  
E-Mail:  
Wellhead: SEC A: 11" 5M x 8-5/8" SOW  
SEC B: 11" 5M X 7-1/16" 10M  
Xmas Tree  
Tubing:  
Superintendent:  
Engineer:

AFE#  
API: 30-015-38226  
Field: Burton  
Objective:  
TVD/MD:  
Ground Elevation: 3323'  
Cementing:  
Mud:  
Motors:  
OH Logs  
Liner Hanger  
Rig:  
Offset Wells:



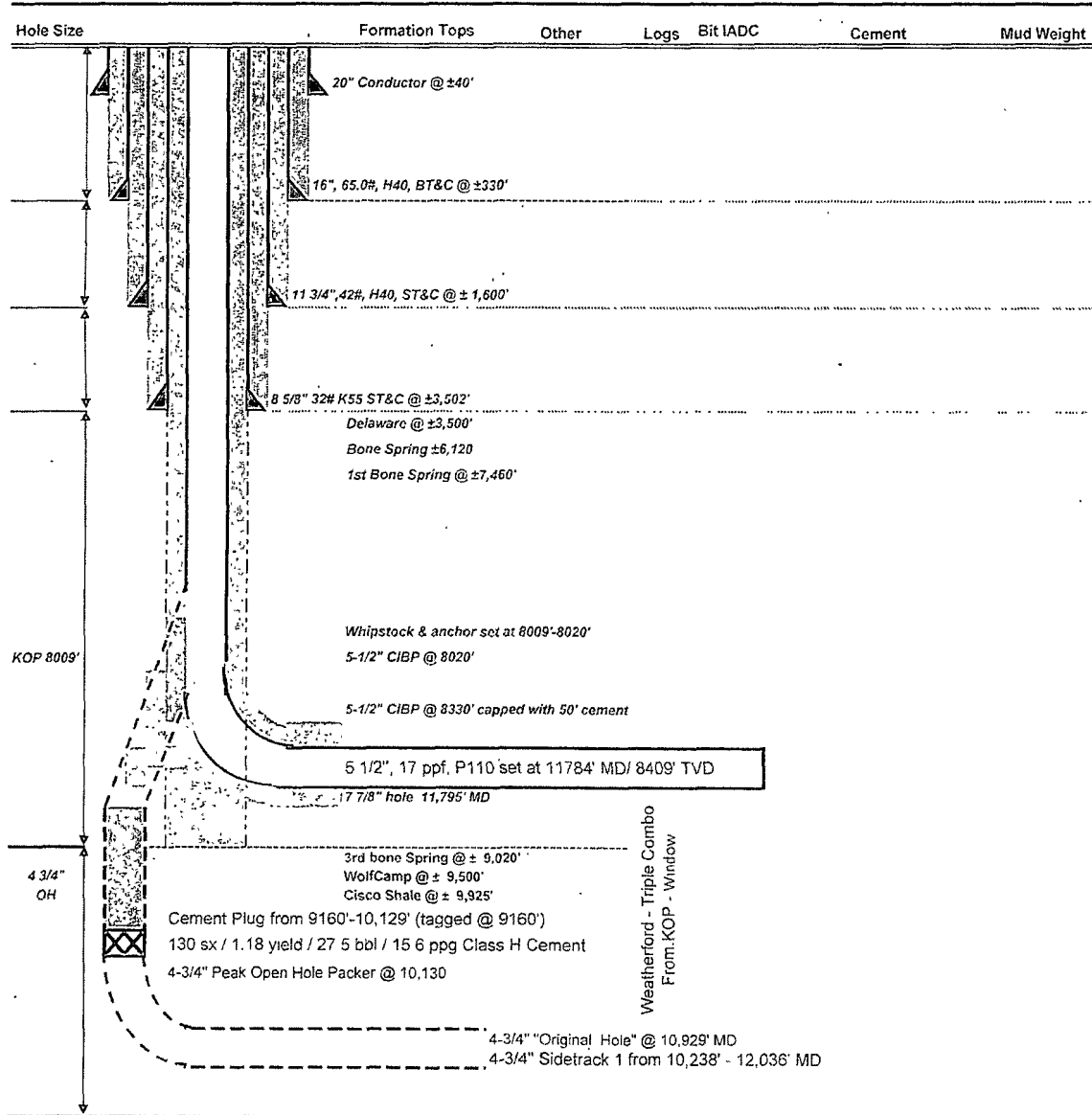


# DRILLING PROGNOSIS Cimarex Energy Company

4/18/2012

Well: **Burton 6 Federal #1H Reentry**  
Location: **Sec 6, T20S-R30E**  
County, State: **Eddy County, NM**  
Lat / Long: **N32° 36' 33 38" W104° 01' 03.69"**  
Surface Location: **150 FNL, 660 FWL**  
Bottomhole Loc: **660 FSL 690 FWL**  
E-Mail:  
Wellhead: **SEC A: 11" 5M x 8-5/8" SOW**  
**SEC B: 11" 5M X 7-1/16" 10M**  
Xmas Tree  
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Superintendent:  
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AFE#  
API: **30-015-38226**  
Field: **Burton**  
Objective:  
TVD/MD:  
Ground Elevation: **3323'**  
Cementing:  
Mud:  
Motors:  
OH Logs  
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Rig:  
Offset Wells:



## Conditions of Approval

**Cimarex Energy Company**

**Burton 6 Federal 1**

**API 3001538226**

May 17, 2012

1. **Notify BLM 575-361-2822 a minimum of 24 hours prior to commencing plug back procedures.** The procedures are to be witnessed. If no answer, leave a voice mail with the API#, workover purpose and a call back phone number. Note the contact, time and date in your subsequent report.
2. Surface disturbance beyond the existing pad shall have prior approval.
3. A closed loop system is required. The operator shall properly dispose of drilling/circulating contents at an authorized disposal site. Tanks are required for all operations, no excavated pits.
4. Functional H<sub>2</sub>S monitoring equipment shall be on location.
5. A minimum of 3000 (3M) BOPE is to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (3M) Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
6. All waste (i.e. trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
7. Minimum requirement for mud placed between plugs is 25 sacks of salt water gel per 100 barrels in 9 lb/gal brine.
8. The BLM PET witness is to run tbg tally and agree to cement placement. Sample each plug for cement curing time and tag and/or pressure test (WOC time of 4 hours recommended) as requested by BLM PET witness.
9. **Modify Step 4 of operator's procedure: RIH and set CICR at 7950'. Pump sufficient Class H cement mixed 15.6lb/gal, 1.18ft<sup>3</sup>/sx, and 5.2g/sx to squeeze cement outside of the window from 8007-8017'.**
10. **Addition to Step 5 – pressure test to be witnessed by a BLM PET and charted.**
11. File a **subsequent sundry** Form 3160-5 within 30 days of the plug back describing the Cisco abandonment. Include an updated wellbore diagram.

12. Submit the BLM Form 3160-4 **Recompletion Report** within 30 days of the date all BLM approved procedures are complete.
13. Workover approval is good for 90 days (completion to be within 90 days of approval). A legitimate request is necessary for extension of that date.

PRS / WWI 051712

**NM Fed Regs & Forms - [http://www.blm.gov/nm/st/en/prog/energy/oil\\_and\\_gas.html](http://www.blm.gov/nm/st/en/prog/energy/oil_and_gas.html)**

Use of Form 3160-5 "Sundry Notices and Reports on Wells"

**§ 43 CFR 3162.3-2 Subsequent Well Operations.**

**§ 43 CFR 3160.0-9 (c)(1) Information collection.**

**§ 3162.4-1 (c) Well records and reports.**