

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.*

OCD Hobbs

5. Lease Serial No  
NMNM0392082A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No  
HALLERTAU 4 FEDERAL 4H9. API Well No.  
30-025-40475-00-X110. Field and Pool, or Exploratory  
WILDCAT G06 S263211. County or Parish, and State  
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

MAY 31 2012

RECEIVED

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

CIMAREX ENERGY COMPANY OF CO

Contact CELESTE DALE

E-Mail cdale@cimarex.com

3a. Address

600 NORTH MARIENFELD STREET, SUITE 600  
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432-620-1959

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

Sec 4 T26S R32E NENE 330FNL 660FEL

## 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<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, 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.)

Per the attached wellbore diagram; Cimarex requests approval to amend the originally approved APD Drilling Plan for the subject well. This request is in order to complete the well as a cased open-hole completion.

Changes include:

Cement plans for the 5-1/2" production casing string with 20-stage open-hole packer completion system to include Horizontal DV tool cementing the vertical, placement @ ~~4200'~~ 8200' TVD (min 50' into the Bone Spring) with est. TOC @ 3000'

Lead: 670sx HelCem "H", 11 5ppg, 2.76 yield, 16.31 gal/sk, 0.4% Halad-32, 0.3% HR-601

± 8675'

Per Operator

14. I hereby certify that the foregoing is true and correct

Electronic Submission #137292 verified by the BLM Well Information System

For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs

Committed to AFMSS for processing by DEBORAH MCKINNEY on 05/22/2012 (12DLM0558SE)

Name (Printed/Typed) CELESTE DALE

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 05/04/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ

Title PETROLEUM ENGINEER

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 Hobbs

APPROVED

MAY 29 2012

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

MAY 31 2012

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.

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

MAY 31 2012

**Additional data for EC transaction #137292 that would not fit on the form**

**32. Additional remarks, continued**

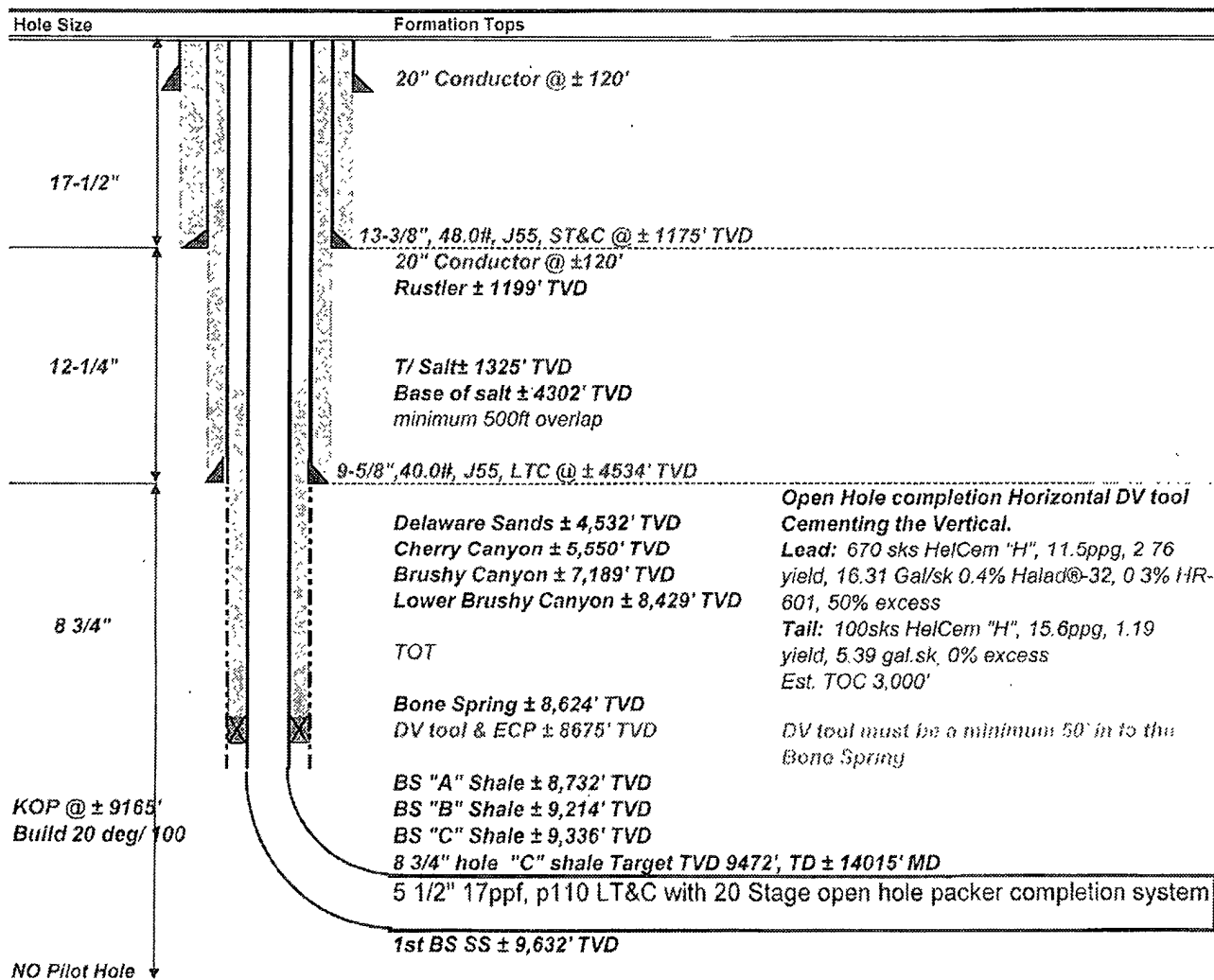
Tail: 100sx HelCem "H", 15.6ppg, 1.19yield, 5.39 gal/sk  
50% excess



# **DRILLING PROGNOSIS** Cimarex Energy Company

5/3/2012

Well:	Hallertau 4 Federal 4H	AFE:	252054
Location:	Sec 4, 26S-32E	API:	30-025-40475
County, State	Lea County, NM		
Lat / Long:	32° 04' 43.51" / 103° 40' 25.01"	Cimarex Property #:	309728-009.01
Surface Location:	330 FNL, 660 FEL	Objective:	<u>Avalon</u>
Bottomhole Loc:	330 FSL, 970 FEL	TVD/MD:	9436' / 14007'
Field:	Tres Equis	VS (dir & Length):	183.25° / 4694'
E-Mail:	<a href="mailto:welshite44@cimarex.com">welshite44@cimarex.com</a>	Elevation:	3312 ft
Wellhead:	SEC A: 13-5/8" 3M x 13-3/8" SOW	Cementing:	Halliburton
	SEC B: 13-5/8" 3M X 11" 5M	Mud:	M
	SEC C: 11" 5M X 7-1/16" 10M	Motors:	Phoenix / Baker
Xmas Tree	5M	OH Logs	Halliburton
Tubing:	2 7/8" L80 EUE	Rig:	Cactus 101
Superintendent:	Doug Mcquitty	Offset Wells:	
Engineer:	Art Metcalfe (432) - 269 - 9042		
Directions:	From the junction of HWY 128 and ORLA, go south for 8.8 miles to lease road, on lease road go west for 0.3 miles to lease road then go southerly for 0.2 miles to new lease road and follow to new location.		



## CONDITIONS OF APPROVAL

Sundry 05/04/2012

OPERATOR'S NAME:	Cimarex Energy Co of Colorado
LEASE NO.:	NM0392082A
WELL NAME & NO.:	4H Hallertau 4 Federal
SURFACE HOLE FOOTAGE:	330' FNL & 660' FEL
BOTTOM HOLE FOOTAGE:	330' FSL & 970' FEL
LOCATION:	Section 4, T.26 S., R.32 E., NMPM
COUNTY:	Lea County, New Mexico

### Original COA still applies with the following changes:

The minimum required fill of cement behind the 5-1/2 inch production casing is:

a. First stage:

☒ Cement not required; operator is using the 5-1/2" below ECP as a liner in Open hole completion system.

b. First stage to DV tool:

☒ Cement should tie-back at least 500 feet into previous casing string. Operator shall provide method of verification.

EGF 052912