

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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. NMNM0392082A
2. Name of Operator CIMAREX ENERGY COMPANY OF CO		6. If Indian, Allottee or Tribe Name
Contact: PAULA BRUNSON Email: pbrunson@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: 432-571-7848	8. Well Name and No. HALLERTAU 4 FEDERAL 3H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T26S R32E NWNE 330FNL 2180FEL		9. API Well No. 30-025-40474-00-X1
		10. Field and Pool, or Exploratory WILDCAT G06 S2632
		11. County or Parish, and State LEA 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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 respectfully requests a change to the permitted bottom hole location for the Hallertau 4 Federal 3H as shown below:

Permitted Location:
SHL 330 FNL & 2180 FEL
BHL 330 FSL & 2290 FEL
4-26S-32E
Lea County, NM

Proposed Location:
SHL 330 FNL & 2180 FEL
BHL 330 FSL & 1850 FEL

HOBBS OCD

AUG 14 2013

RECEIVED

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #215067 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs Committed to AFMSS for processing by JOHNNY DICKERSON on 07/31/2013 (13JLD0513SE)	
Name (Printed/Typed) PAULA BRUNSON	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 07/27/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS	Title PETROLEUM ENGINEER	Date 08/12/2013
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

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 **

AUG 29 2013

Additional data for EC transaction #215067 that would not fit on the form

32. Additional remarks, continued

4-26S-32E

Lea County, NM

Proposed Drilling Plan:

Pilot Hole TD: No pilot hole

KOP: 8963'

EOC: 9713'

Set surface and intermediate casing strings. Drill production hole to KOP. Continue drilling lateral through the curve to TD. Run production casing & cement.

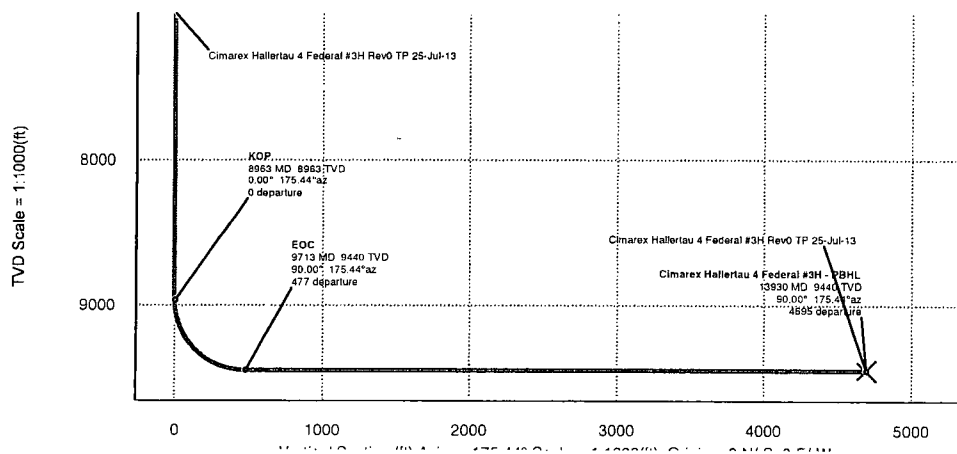
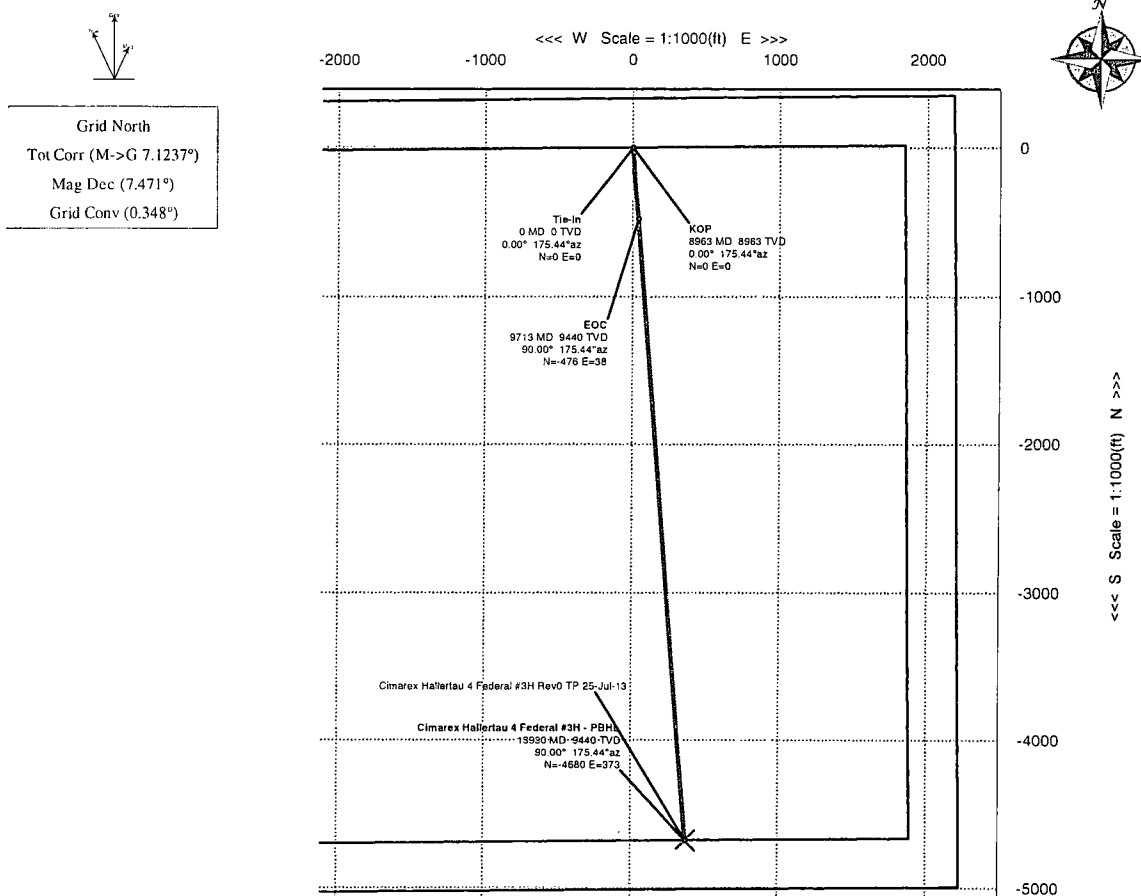
Please see attached revised C-102 and preliminary directional survey.



Cimarex Energy

PATHFINDER
A Schlumberger Company

WELL	Hallertau 4 Federal #3H		FIELD	NM Lea County (NAD 83)		STRUCTURE	Cimarex Hallertau 4 Federal #3	
Magnetic Parameters	Model	BGM 2012	Dip	59.833°	Date	July 25, 2013	Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet
	Mag Dec	7.471°			FS	482721n1	Lat	N 32 43 45.8
							Long	W 105 49 42.876
							North	392888.68 NUS
							East	744149.72 EUS
							Grid Conv	9.348"
							Scale Fact	0.9995620
Miscellaneous	Site	Hallertau 4 Federal #3H	TVD Ref	Unknown (3300ft above MSL)	Plan	Cimarex Hallertau 4 Federal #3H	Drawn	TR09-201-2013



Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+) / S(-)	E(+) / W(-)	DLS
Tie-In	0.00	0.00	175.44	0.00	0.00	0.00	0.00	
9 5/8 Casing Point	4530.00	0.00	175.44	4530.00	0.00	0.00	0.00	0.00
KOP	8962.50	0.00	175.44	8962.50	0.00	0.00	0.00	0.00
EOC	9712.56	90.00	175.44	9440.00	477.50	-475.99	37.96	12.00
Cimarex Hallertau 4 Federal #3H - PBHL	13930.33	90.00	175.44	9440.00	4695.27	-4680.41	373.29	0.00

Cimarex Hallertau 4 Federal #3H Rev0 TP 25-Jul-13 Proposal Report

(Def Plan)

Report Date: July 25, 2013 - 10:39 AM
Client: Cimarex Energy
Field: NM Lea County (NAD 83)
Structure / Slot: Cimarex Hallertau 4 Federal #3H / Hallertau 4 Federal #3H
Well: Hallertau 4 Federal #3H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Cimarex Hallertau 4 Federal #3H Rev0 TP 25-Jul-13
Survey Date: July 25, 2013
Tort / AHD / DDI / ERD Ratio: 90.000 ° / 4695.271 ft / 5.795 / 0.497
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 4' 43.46775", W 103° 40' 42.67631"
Location Grid N/E Y/X: N 392998.694 ftUS, E 744149.724 ftUS
CRS Grid Convergence Angle: 0.3478 °
Grid Scale Factor: 0.9999562

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 175.440 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: Unknown
TVD Reference Elevation: 3306.000 ft above MSL
Seabed / Ground Elevation: 3306.000 ft above MSL
Magnetic Declination: 7.471 °
Total Field Strength: 48273.146 nT
Magnetic Dip Angle: 59.933 °
Declination Date: July 25, 2013
Magnetic Declination Model: BGGM 2012
North Reference: Grid North
Grid Convergence Used: 0.3478 °
Total Corr Mag North->Grid North: 7.1237 °
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' '')	Longitude (E/W ° ' '')	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)
Tie-In	0.00	0.00	175.44	0.00	0.00	0.00	0.00	392998.69	744149.72	N 32 4 43.47	W 103 40 42.68	0.00	0.00	N/A
9 5/8 Casing Point	4530.00	0.00	175.44	4530.00	0.00	0.00	0.00	392998.69	744149.72	N 32 4 43.47	W 103 40 42.68	0.00	0.00	0.00
KOP	8962.50	0.00	175.44	8962.50	0.00	0.00	0.00	392998.69	744149.72	N 32 4 43.47	W 103 40 42.68	0.00	0.00	0.00
EOC	9712.56	90.00	175.44	9440.00	477.50	-475.99	37.96	392522.73	744187.68	N 32 4 38.76	W 103 40 42.27	477.50	175.44	12.00
Cimarex Hallertau 4 Federal #3H - PBHL	13930.33	90.00	175.44	9440.00	4695.27	-4680.41	373.29	388318.50	744523.00	N 32 3 57.13	W 103 40 38.67	4695.27	175.44	0.00

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	0.000	8962.000	1/100.000	30.000	30.000	SLB_NSG+MSHOT	Original Borehole / Cimarex Hallertau 4 Federal #3H Rev0 TP
	8962.000	13930.326	1/100.000	30.000	30.000	SLB_MWD-STD	Original Borehole / Cimarex Hallertau 4 Federal #3H Rev0 TP