

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. NMNM92167
2. Name of Operator CIMAREX ENERGY COMPANY OF CO Contact: DEYSI FAVELA E-Mail: dfavela@cimarex.com		6. If Indian, Allottee or Tribe Name
3a. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1964	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 7 T25S R27E SWSW 300FSL 330FWL 32.081687 N Lat, 104.131281 W Lon		8. Well Name and No. DA VINCI 7 FEDERAL COM 5H
		9. API Well No. 30-015-41621-00-X1
		10. Field and Pool, or Exploratory WILDCAT Cottonwood Draw; B.S.
		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 checked="" type="checkbox"/> Other Change to Original A PD
	<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, 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 respectfully requests changes to the APD as follows,

Approved:
12487' MD
7902' TVD
7616' KOP
8065' EOC

Changed to:
11578' MD
7172' TVD
6516' KOP

Accepted for record
NMOCD
10/12/13



14. I hereby certify that the foregoing is true and correct. Electronic Submission #227016 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad Committed to AFMSS for processing by CHRISTOPHER WALLS on 11/18/2013 (14CRW0154SE)	
Name (Printed/Typed) DEYSI FAVELA	Title DRILLING TECHNICIAN
Signature (Electronic Submission)	Date 11/15/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>CHRISTOPHER WALLS</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>11/25/2013</u>
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 <u>Carlsbad</u>

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 ****

Additional data for EC transaction #227016 that would not fit on the form

32. Additional remarks, continued

7512' EOC



Cimarex Da Vinci 7 Federal Com #5H Rev0 WEB 13-Nov-13 Proposal Report



(Non-Def Plan)

Report Date: November 14, 2013 - 06:24 PM
 Client: Cimarex
 Field: NM Eddy County (NAD 83)
 Structure / Slot: Cactus 116 / Cimarex Da Vinci 7 Federal Com #5H
 Well: Cimarex Da Vinci 7 Federal Com #5H
 Borehole: Original Borehole
 UWI / API#: Unknown / Unknown
 Survey Name: Cimarex Da Vinci 7 Federal Com #5H Rev0 WEB 13-Nov-13
 Survey Date: November 13, 2013
 Tort / AHD / DDI / ERD Ratio: 89.754 ° / 4698.644 ft / 5.833 / 0.655
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: N 32° 8' 16.86990", W 104° 14' 12.80537"
 Location Grid N/E Y/X: N 413960.500 RUS, E 571188.800 RUS
 CRS Grid Convergence Angle: 0.0513 °
 Grid Scale Factor: 0.99991011

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 7.039 ° (Grid North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 3227.000 ft above
 Seabed / Ground Elevation: 3209.000 ft above
 Magnetic Declination: 7.703 °
 Total Gravity Field Strength: 998.4983mgn (9.80665 Based)
 Total Magnetic Field Strength: 48227.269 nT
 Magnetic Dip Angle: 59.914 °
 Declination Date: November 13, 2013
 Magnetic Declination Model: BGGM 2013
 North Reference: Grid North
 Grid Convergence Used: 0.0513 °
 Total Corr Mag North->Grid North: 7.6513 °
 Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (°)	DLS (°/100ft)	TF (°)
SHL Cimarex Da Vinci 7 Federal Com #5H	0.00	0.00	7.04	0.00	0.00	0.00	0.00	0.00	0.00	N/A	7.04M
KOP - Build 9°/100ft	6515.50	0.00	7.04	6515.50	0.00	0.00	0.00	0.00	0.00	0.00	7.04M
DLS	7512.32	89.73	7.04	7152.00	633.51	628.73	77.64	633.51	7.04	9.00	174.78L
Landing Point											
Cimarex Da Vinci 7 Federal Com #5H	11577.51	89.71	7.04	7172.00	4698.64	4663.23	575.80	4698.64	7.04	0.00	
PBHL											

Survey Type: Non-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	18.000	1/100.000	30.000	30.000	SLB_MWD-POOR-Depth Only	Original Borehole / Cimarex Da Vinci 7 Federal Com #5H Rev0
	18.000	6674.000	1/100.000	30.000	30.000	SLB_MWD-POOR	Original Borehole / Cimarex Da Vinci 7 Federal Com #5H Rev0
	6674.000	11577.510	1/100.000	30.000	30.000	SLB_MWD-STD	Original Borehole / Cimarex Da Vinci 7 Federal Com #5H Rev0



Cactus 116

Cimarex

Rev0

PATHFINDER
A Schlumberger Company

WELL	Da Vinci 7 Federal Com #5H			FIELD	NM Eddy County			STRUCTURE	Cactus 116		
Mapsheet Parameters	Model	Block/M 2011	Page	54 934	Date	November 13, 2011	Section Location	Survey Location	Mapsheet	Plan	Survey Date
			Map Dec	7.703°		PS	48227.34T	Lat	N 32 8 16.870	Long	W 104 14 12.805
								Lon	W 104 14 12.805	Easting	571138.80
								Scale	0.0000001		
								Mapsheet	Da Vinci 7 Federal Com #5H	Plan	Survey Date
									Nov 13, 2011		

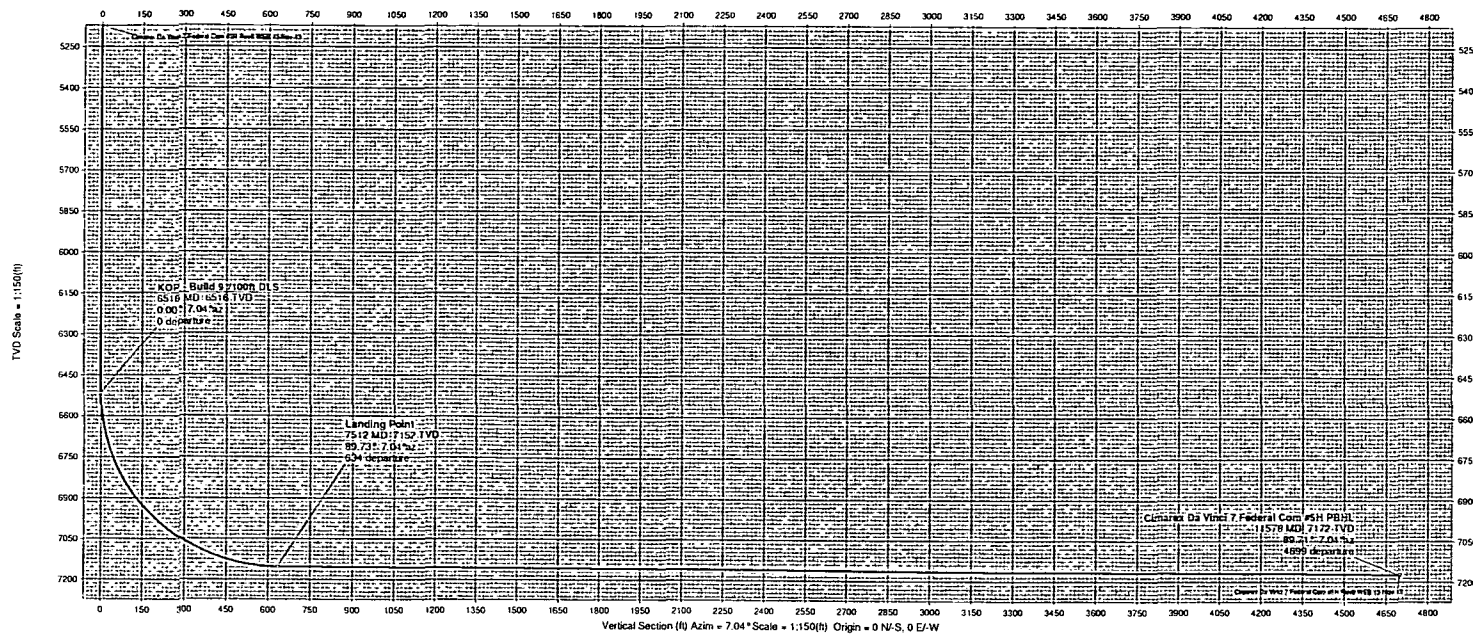
Legend

Cimarex Da Vinci 7 Federal Com #5H Landing Point
Cimarex Da Vinci 7 Federal Com #5H KOP
Cimarex Da Vinci 7 Federal Com #5H PBHL
Cimarex Da Vinci 7 Federal Com #5H PBHL
Cimarex Da Vinci 7 Federal Com #5H PBHL

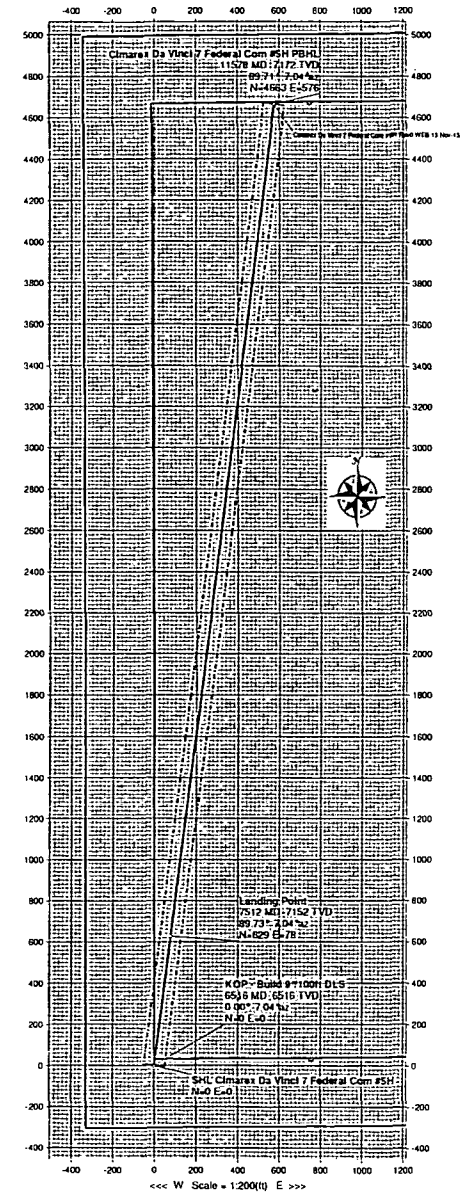
Grid North
Tot Corr (M->G 7.6513°)
Mag Dec (7.703°)
Grid Conv (0.051°)

Critical Points

Comments	Survey MD(ft)	Inclination(deg)	Azimuth(deg)	TVD(ft)	Sub-Sea TVD	VS(ft)	NS(ft)	EW(ft)	Latitude(deg)	Longitude(deg)	Easting(ftUS)	Northing(ftUS)	Closure(ft)	Closure Azimuth(deg)	DLS(ft/100ft)	Tool Face(deg)
SHL Cimarex Da Vinci 7 Federal Com #5H	0.00	0.00	7.04	0.00	-3227.00	0.00	0.00	0.00	N 32 8 16.870	W 104 14 12.805	571138.80	413960.50	0.00	0.00		7.04
KOP - Build 99100ft DLS	6515.50	0.00	7.04	6515.50	3288.50	0.00	0.00	0.00	N 32 8 16.870	W 104 14 12.805	571138.80	413960.50	0.00	0.00	0.00	7.04
Landing Point	7512.32	89.73	7.04	7152.00	3925.00	633.51	628.73	77.64	N 32 8 23.091	W 104 14 11.896	571266.44	414589.17	633.51	7.04	9.00	-174.78
Cimarex Da Vinci 7 Federal Com #5H PBHL	11577.51	89.71	7.04	7172.00	3945.00	4698.64	4663.23	575.80	N 32 9 3.009	W 104 14 6.059	571764.55	418623.30	4698.64	7.04	0.00	



<<< S Scale = 1:200(ft) N >>>



Drawn By: Current User
Date Created: November 14, 2013 06:25:38 PM
Checked By:
Approved By:
Approved Date: