

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to
appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe
office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: <u>Cimarex Energy Co. of Colorado</u> Telephone: <u>972-401-3111</u> e-mail address: <u>zfarris@cimarex.com</u>		
Address: <u>PO Box 140907, Irving, TX 75014-0907</u>		
Facility or well name: <u>Enterprise 11 State Com No. 1</u> API #: <u>30-005-28002</u> U/I. or Qtr/Qtr <u>M</u> Sec <u>11</u> T <u>15S</u> R <u>31E</u>		
County: <u>Chaves</u> Latitude <u>33.024104 N</u> Longitude <u>103.799344 W</u> NAD: 1927 ☒ 1983 ☐		
Surface Owner. Federal ☐ State ☒ Private ☐ Indian ☐		
Pit Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness <u>12</u> mil Clay ☐ Pit Volume <u> </u> bbl closed system, cuttings buried	Below-grade tank Volume: <u> </u> bbl Type of fluid: <u> </u> Construction material: <u> </u> Double-walled, with leak detection? Yes ☐ If not, explain why not <u> </u>	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) <u>220'</u>	Less than 50 feet	(20 points)
	50 feet or more, but less than 100 feet	(10 points)
	<u>100 feet or more</u>	<u>(0 points)</u>
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes	(20 points)
	<u>No</u>	<u>(0 points)</u>
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)
	200 feet or more, but less than 1000 feet	(10 points)
	<u>1000 feet or more</u>	<u>(0 points)</u>
Ranking Score (Total Points)		0

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility . (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 12.17.07

Printed Name/Title Zeno Farris - Manager Operations Administration Signature Zeno Farris

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title CHRIS WILLIAMS / DIST. SUR. Signature Chris Williams

Date: 1/4/08

DISTRICT I
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DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-005-28002	Pool Code 60615	Pool Name Tulk; Wolfcamp, Southwest
Property Code 36906	Property Name ENTERPRISE 11 ST COM	Well Number 1
OGRID No. 162683	Operator Name CIMAREX ENERGY COMPANY OF COLORADO	Elevation 4395'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	11	15-S	31-E		375	SOUTH	330	WEST	CHAVES

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	11	15-S	31-E		375	SOUTH	330	EAST	CHAVES

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160		P	

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=736697.9 N X=663668.6 E LAT.=33.024104° N LONG.=103.799344° W		BOTTOM HOLE LOCATION Y=736738.6 N X=668286.2 E		OPERATOR CERTIFICATION I hereby certify that the information hereon is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Zeno Farris</i> 12-17-07 Signature Date Zeno Farris Printed Name	
				SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. NOVEMBER 16 2007 Date Surveyed AR Signature & Seal of Professional Surveyor <i>Ronald J. Eidson</i> 12/05/07 07.11.1593 Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239	
V0-8072-0001		Fee			
330' SURF. 375'		GRID AZ = 89°29'39" HORIZ. DIST. = 4618.9'		330' B.H. 375'	



Cimarex Energy Co. of Colorado

5215 North O'Connor Blvd. ♦ Suite 1500 ♦ Irving, TX 75039 ♦ (972) 401-3111 ♦ Fax (972) 443-6486

Mailing Address: P.O. Box 140907 ♦ Irving, TX 75014-0907

A subsidiary of Cimarex Energy Co. • A NYSE Listed Company • "XEC"

December 17, 2007

3D-005-28002

Oil Conservation Division
District II Office
1301 W. Grand Ave.
Artesia, New Mexico 88210
Attn: Mr. Bryan Arrant

Re: Statewide Rule 118
Hydrogen Sulfide Gas Contingency Plan
Proposed Enterprise 11 State Com No. 1 Well

Dear Mr. Arrant:

In accordance with NMAC 19.15.3.118 C. (1) governing the determination of the hydrogen sulfide concentration in gaseous mixtures in each of its operations, Cimarex Energy Co. of Colorado does not anticipate that there will be enough H₂S from the surface to the Wolfcamp formations to meet the OCD's minimum requirements for the submission of a contingency plan for the drilling and completion of the following test(s):

Enterprise 11 State Com No. 1
11-15S-31E
SHL 375' FSL & 330' FWL
BHL 375' FSL & 330' FEL
Chaves County, NM

If anything further is needed regarding this issue, or if you have any questions, please feel free to contact the undersigned at 972-443-6489.

Yours truly,

Zeno Farris
Manager, Operations Administration



Project Chaves Co., New Mexico
 Site Enterprise 11 St Com #1H
 Well Enterprise 11 St Com #1H
 Wellbore Lateral #1
 Plan Plan #1 (Enterprise 11 St Com #1H/Lateral #1)

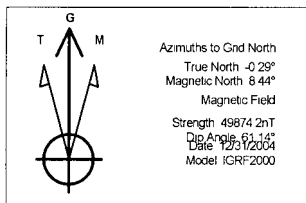
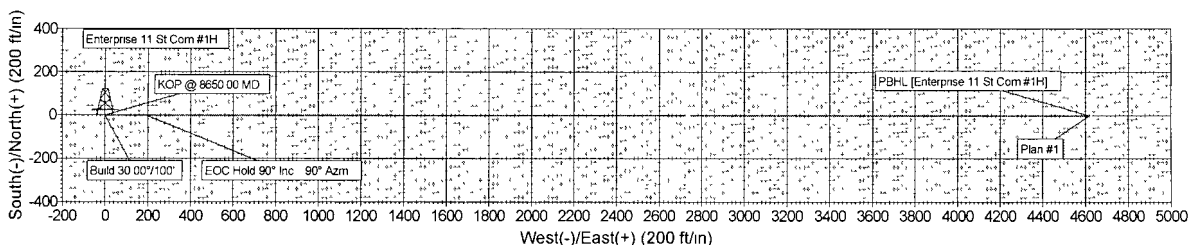


30-005-28002

PROJECT DETAILS Chaves Co., New Mexico
 Geodetic System US State Plane 1927 (Exact solution)
 Datum NAD 1927 (NADCON CONUS)
 Ellipsoid Clarke 1866
 Zone New Mexico East 3001
 System Datum Mean Sea Level

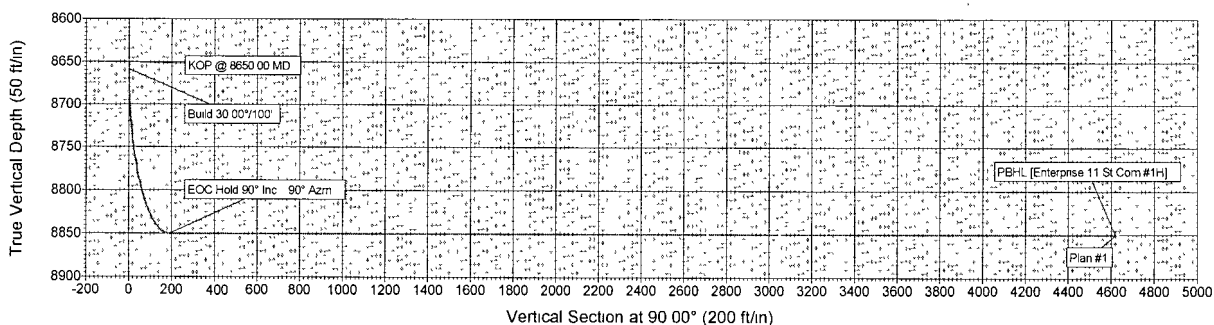
ANNOTATIONS

TVD	MD	Annotation
8650 00	8650 00	KOP @ 8650 00 MD
8659 01	8659 01	Build 30 00°/100'
8850 00	8959 01	EOC Hold 90° Inc 90° Azm



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8650 00	0 00	0 00	8650 00	0 00	0 00	0 00	0 00	0 00	
2	8659 01	0 00	0 00	8659 01	0 00	0 00	0 00	0 00	0 00	
3	8959 01	90 00	90 00	8850 00	0 00	190 99	30 00	90 00	190 99	
4	13388 93	90 00	90 00	8850 00	0 00	4618 90	0 00	0 00	4618 90	PBHL [Enterprise 11 St Com #1H]



Plan Plan #1 (Enterprise 11 St Com #1H/Lateral #1)
 Created By Heather Vannoy Date December 11 2007

30.005.28002

Cimarex Energy Co., Inc.

Chaves Co., New Mexico
Enterprise 11 St Com #1H
Enterprise 11 St Com #1H
Lateral #1

Plan: Plan #1

Standard Survey Report

11 December, 2007

Black Viper Energy

Survey Report

Company:	Cimarex Energy Co., Inc	Local Co-ordinate Reference:	Well Enterprise-11 St Com #1H
Project:	Chaves Co., New Mexico	TVD Reference:	WELL @ 4395 00ft (Original Well Elev)
Site:	Enterprise 11 St Com #1H	MD Reference:	WELL @ 4395 00ft (Original Well Elev)
Well:	Enterprise 11 St Com #1H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 2003 14 Server Db

Project:	Chaves Co., New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Enterprise 11 St Com #1H				
Site Position:		Northing:	736,697 90 ft	Latitude:	33° 1' 26 760 N
From:	Map	Easting:	663,668 60 ft	Longitude:	103° 47' 57 655 W
Position Uncertainty:	0 00 ft	Slot Radius:	"	Grid Convergence:	0 29 °

Well:	Enterprise 11 St Com #1H					
Well Position	+N/-S	0 00 ft	Northing:	736,697 90 ft	Latitude:	33° 1' 26 760 N
	+E/-W	0 00 ft	Easting:	663,668 60 ft	Longitude:	103° 47' 57 655 W
Position Uncertainty		0 00 ft	Wellhead Elevation:	ft	Ground Level:	0 00 ft

Wellbore:	Lateral #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2000	12/31/2004	(°)	(°)	(nT)
			8 73	61 14	49,874

Design:	Plan #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE		Tie On Depth:	8,650 00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0 00	0 00	0 00	90 00	

Survey Tool Program	Date	12/11/2007			
From	To	Survey (Wellbore)	Tool Name	Description	
(ft)	(ft)				
8,650 00	13,386 93	Plan #1 (Lateral #1)	MWD	MWD - Standard	

Planned Survey										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn	
Depth	(°)	(°)	Depth	(ft)	(ft)	Section	Rate	Rate	Rate	
(ft)			(ft)			(ft)	(°/100ft)	(°/100ft)	(°/100ft)	
8,650 00	0 00	0 00	8,650 00	0 00	0 00	0 00	0 00	0 00	0 00	
KOP @ 8650.00 MD										
8,659 01	0 00	0 00	8,659 01	0 00	0 00	0 00	0 00	0 00	0 00	
Build 30.00°/100'										
8,670 00	3 30	90 00	8,669 99	0 00	0 32	0 32	30 00	30 00	0 00	
8,700 00	12 30	90 00	8,699 69	0 00	4 38	4 38	30 00	30 00	0 00	
8,730 00	21 30	90 00	8,728 38	0 00	13 04	13 04	30 00	30 00	0 00	
8,760 00	30 30	90 00	8,755 36	0 00	26 08	26 08	30 00	30 00	0 00	
8,790 00	39 30	90 00	8,779 97	0 00	43 18	43 18	30 00	30 00	0 00	
8,820 00	48 30	90 00	8,801 60	0 00	63 93	63 93	30 00	30 00	0 00	
8,850 00	57 30	90 00	8,819 72	0 00	87 80	87 80	30 00	30 00	0 00	
8,880 00	66 30	90 00	8,833 89	0 00	114 21	114 21	30 00	30 00	0 00	
8,910 00	75 30	90 00	8,843 74	0 00	142 51	142 51	30 00	30 00	0 00	

Black Viper Energy

Survey Report

Company: Cimarex Energy Co., Inc
Project: Chaves Co ; New Mexico
Site: Enterprise 11 St Com #1H
Well: Enterprise 11 St Com #1H
Wellbore: Lateral #1
Design: Plan #1

Local Co-ordinate Reference: Well Enterprise 11 St Com #1H
TVD Reference: WELL @ 4395 00ft (Original Well Elev)
MD Reference: WELL @ 4395 00ft (Original Well Elev)
North Reference: Grd
Survey Calculation Method: Minimum Curvature
Database: EDM 2003 14 Server Db

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,940 00	84 30	90 00	8,849 05	0 00	172 00	172 00	30 00	30 00	0 00
8,959.01	90.00	90 00	8,850 00	0 00	190 99	190 99	30 00	30 00	0 00
EOC Hold 90° Inc :: 90° Azm.									
8,970 00	90 00	90 00	8,850 00	0 00	201 97	201 97	0 00	0 00	0 00
9,000 00	90 00	90 00	8,850 00	0 00	231 97	231 97	0 00	0 00	0 00
9,030 00	90 00	90 00	8,850 00	0 00	261 97	261 97	0 00	0 00	0 00
9,060 00	90 00	90 00	8,850 00	0 00	291 97	291 97	0 00	0 00	0 00
9,090 00	90 00	90 00	8,850 00	0 00	321 97	321 97	0 00	0 00	0 00
9,120 00	90 00	90 00	8,850 00	0 00	351 97	351 97	0 00	0 00	0 00
9,150 00	90 00	90 00	8,850 00	0 00	381 97	381 97	0 00	0 00	0 00
9,180 00	90 00	90 00	8,850 00	0 00	411 97	411 97	0 00	0 00	0 00
9,210 00	90 00	90 00	8,850 00	0 00	441 97	441 97	0 00	0 00	0 00
9,240 00	90 00	90 00	8,850 00	0 00	471 97	471 97	0 00	0 00	0 00
9,270 00	90 00	90 00	8,850 00	0 00	501 97	501 97	0 00	0 00	0 00
9,300 00	90 00	90 00	8,850 00	0 00	531 97	531 97	0 00	0 00	0 00
9,330 00	90 00	90 00	8,850 00	0 00	561 97	561 97	0 00	0 00	0 00
9,360 00	90 00	90 00	8,850 00	0 00	591 97	591 97	0 00	0 00	0 00
9,390 00	90 00	90 00	8,850 00	0 00	621 97	621 97	0 00	0 00	0 00
9,420 00	90 00	90 00	8,850 00	0 00	651 97	651 97	0 00	0 00	0 00
9,450 00	90 00	90 00	8,850 00	0 00	681 97	681 97	0 00	0 00	0 00
9,480 00	90 00	90 00	8,850 00	0 00	711 97	711 97	0 00	0 00	0 00
9,510 00	90 00	90 00	8,850 00	0 00	741 97	741 97	0 00	0 00	0 00
9,540 00	90 00	90 00	8,850 00	0 00	771 97	771 97	0 00	0 00	0 00
9,570 00	90 00	90 00	8,850 00	0 00	801 97	801 97	0 00	0 00	0 00
9,600 00	90 00	90 00	8,850 00	0 00	831 97	831 97	0 00	0 00	0 00
9,630 00	90 00	90 00	8,850 00	0 00	861 97	861 97	0 00	0 00	0 00
9,660 00	90 00	90 00	8,850 00	0 00	891 97	891 97	0 00	0 00	0 00
9,690 00	90 00	90 00	8,850 00	0 00	921 97	921 97	0 00	0 00	0 00
9,720 00	90 00	90 00	8,850 00	0 00	951 97	951 97	0 00	0 00	0 00
9,750 00	90 00	90 00	8,850 00	0 00	981 97	981 97	0 00	0 00	0 00
9,780 00	90 00	90 00	8,850 00	0 00	1,011 97	1,011 97	0 00	0 00	0 00
9,810 00	90 00	90 00	8,850 00	0 00	1,041 97	1,041 97	0 00	0 00	0 00
9,840 00	90 00	90 00	8,850 00	0 00	1,071 97	1,071 97	0 00	0 00	0 00
9,870 00	90 00	90 00	8,850 00	0 00	1,101 97	1,101 97	0 00	0 00	0 00
9,900 00	90 00	90 00	8,850 00	0 00	1,131 97	1,131 97	0 00	0 00	0 00
9,930 00	90 00	90 00	8,850 00	0 00	1,161 97	1,161 97	0 00	0 00	0 00
9,960 00	90 00	90 00	8,850 00	0 00	1,191 97	1,191 97	0 00	0 00	0 00
9,990 00	90 00	90 00	8,850 00	0 00	1,221 97	1,221 97	0 00	0 00	0 00
10,020 00	90 00	90 00	8,850 00	0 00	1,251 97	1,251 97	0 00	0 00	0 00
10,050 00	90 00	90 00	8,850 00	0 00	1,281 97	1,281 97	0 00	0 00	0 00
10,080 00	90 00	90 00	8,850 00	0 00	1,311 97	1,311 97	0 00	0 00	0 00
10,110 00	90 00	90 00	8,850 00	0 00	1,341 97	1,341 97	0 00	0 00	0 00
10,140 00	90 00	90 00	8,850 00	0 00	1,371 97	1,371 97	0 00	0 00	0 00
10,170 00	90 00	90 00	8,850 00	0 00	1,401 97	1,401 97	0 00	0 00	0 00
10,200 00	90 00	90 00	8,850 00	0 00	1,431 97	1,431 97	0 00	0 00	0 00
10,230 00	90 00	90 00	8,850 00	0 00	1,461 97	1,461 97	0 00	0 00	0 00
10,260 00	90 00	90 00	8,850 00	0 00	1,491 97	1,491 97	0 00	0 00	0 00
10,290 00	90 00	90 00	8,850 00	0 00	1,521 97	1,521 97	0 00	0 00	0 00
10,320 00	90 00	90 00	8,850 00	0 00	1,551 97	1,551 97	0 00	0 00	0 00
10,350 00	90 00	90 00	8,850 00	0 00	1,581 97	1,581 97	0 00	0 00	0 00
10,380 00	90 00	90 00	8,850 00	0 00	1,611 97	1,611 97	0 00	0 00	0 00
10,410 00	90 00	90 00	8,850 00	0 00	1,641 97	1,641 97	0 00	0 00	0 00
10,440 00	90 00	90 00	8,850 00	0 00	1,671 97	1,671 97	0 00	0 00	0 00
10,470 00	90 00	90 00	8,850 00	0 00	1,701 97	1,701 97	0 00	0 00	0 00
10,500 00	90 00	90 00	8,850 00	0 00	1,731 97	1,731 97	0 00	0 00	0 00

Black Viper Energy

Survey Report

Company:	Cimarex Energy Co., Inc.	Local Co-ordinate Reference:	Well Enterprise 11 St Com #1H
Project:	Chaves Co., New Mexico	TVD Reference:	WELL @ 4395.00ft (Original Well Elev)
Site:	Enterprise 11 St Com #1H	MD Reference:	WELL @ 4395.00ft (Original Well Elev)
Well:	Enterprise 11 St Com #1H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 2003.14 Server Db

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,530.00	90.00	90.00	8,850.00	0.00	1,761.97	1,761.97	0.00	0.00	0.00
10,560.00	90.00	90.00	8,850.00	0.00	1,791.97	1,791.97	0.00	0.00	0.00
10,590.00	90.00	90.00	8,850.00	0.00	1,821.97	1,821.97	0.00	0.00	0.00
10,620.00	90.00	90.00	8,850.00	0.00	1,851.97	1,851.97	0.00	0.00	0.00
10,650.00	90.00	90.00	8,850.00	0.00	1,881.97	1,881.97	0.00	0.00	0.00
10,680.00	90.00	90.00	8,850.00	0.00	1,911.97	1,911.97	0.00	0.00	0.00
10,710.00	90.00	90.00	8,850.00	0.00	1,941.97	1,941.97	0.00	0.00	0.00
10,740.00	90.00	90.00	8,850.00	0.00	1,971.97	1,971.97	0.00	0.00	0.00
10,770.00	90.00	90.00	8,850.00	0.00	2,001.97	2,001.97	0.00	0.00	0.00
10,800.00	90.00	90.00	8,850.00	0.00	2,031.97	2,031.97	0.00	0.00	0.00
10,830.00	90.00	90.00	8,850.00	0.00	2,061.97	2,061.97	0.00	0.00	0.00
10,860.00	90.00	90.00	8,850.00	0.00	2,091.97	2,091.97	0.00	0.00	0.00
10,890.00	90.00	90.00	8,850.00	0.00	2,121.97	2,121.97	0.00	0.00	0.00
10,920.00	90.00	90.00	8,850.00	0.00	2,151.97	2,151.97	0.00	0.00	0.00
10,950.00	90.00	90.00	8,850.00	0.00	2,181.97	2,181.97	0.00	0.00	0.00
10,980.00	90.00	90.00	8,850.00	0.00	2,211.97	2,211.97	0.00	0.00	0.00
11,010.00	90.00	90.00	8,850.00	0.00	2,241.97	2,241.97	0.00	0.00	0.00
11,040.00	90.00	90.00	8,850.00	0.00	2,271.97	2,271.97	0.00	0.00	0.00
11,070.00	90.00	90.00	8,850.00	0.00	2,301.97	2,301.97	0.00	0.00	0.00
11,100.00	90.00	90.00	8,850.00	0.00	2,331.97	2,331.97	0.00	0.00	0.00
11,130.00	90.00	90.00	8,850.00	0.00	2,361.97	2,361.97	0.00	0.00	0.00
11,160.00	90.00	90.00	8,850.00	0.00	2,391.97	2,391.97	0.00	0.00	0.00
11,190.00	90.00	90.00	8,850.00	0.00	2,421.97	2,421.97	0.00	0.00	0.00
11,220.00	90.00	90.00	8,850.00	0.00	2,451.97	2,451.97	0.00	0.00	0.00
11,250.00	90.00	90.00	8,850.00	0.00	2,481.97	2,481.97	0.00	0.00	0.00
11,280.00	90.00	90.00	8,850.00	0.00	2,511.97	2,511.97	0.00	0.00	0.00
11,310.00	90.00	90.00	8,850.00	0.00	2,541.97	2,541.97	0.00	0.00	0.00
11,340.00	90.00	90.00	8,850.00	0.00	2,571.97	2,571.97	0.00	0.00	0.00
11,370.00	90.00	90.00	8,850.00	0.00	2,601.97	2,601.97	0.00	0.00	0.00
11,400.00	90.00	90.00	8,850.00	0.00	2,631.97	2,631.97	0.00	0.00	0.00
11,430.00	90.00	90.00	8,850.00	0.00	2,661.97	2,661.97	0.00	0.00	0.00
11,460.00	90.00	90.00	8,850.00	0.00	2,691.97	2,691.97	0.00	0.00	0.00
11,490.00	90.00	90.00	8,850.00	0.00	2,721.97	2,721.97	0.00	0.00	0.00
11,520.00	90.00	90.00	8,850.00	0.00	2,751.97	2,751.97	0.00	0.00	0.00
11,550.00	90.00	90.00	8,850.00	0.00	2,781.97	2,781.97	0.00	0.00	0.00
11,580.00	90.00	90.00	8,850.00	0.00	2,811.97	2,811.97	0.00	0.00	0.00
11,610.00	90.00	90.00	8,850.00	0.00	2,841.97	2,841.97	0.00	0.00	0.00
11,640.00	90.00	90.00	8,850.00	0.00	2,871.97	2,871.97	0.00	0.00	0.00
11,670.00	90.00	90.00	8,850.00	0.00	2,901.97	2,901.97	0.00	0.00	0.00
11,700.00	90.00	90.00	8,850.00	0.00	2,931.97	2,931.97	0.00	0.00	0.00
11,730.00	90.00	90.00	8,850.00	0.00	2,961.97	2,961.97	0.00	0.00	0.00
11,760.00	90.00	90.00	8,850.00	0.00	2,991.97	2,991.97	0.00	0.00	0.00
11,790.00	90.00	90.00	8,850.00	0.00	3,021.97	3,021.97	0.00	0.00	0.00
11,820.00	90.00	90.00	8,850.00	0.00	3,051.97	3,051.97	0.00	0.00	0.00
11,850.00	90.00	90.00	8,850.00	0.00	3,081.97	3,081.97	0.00	0.00	0.00
11,880.00	90.00	90.00	8,850.00	0.00	3,111.97	3,111.97	0.00	0.00	0.00
11,910.00	90.00	90.00	8,850.00	0.00	3,141.97	3,141.97	0.00	0.00	0.00
11,940.00	90.00	90.00	8,850.00	0.00	3,171.97	3,171.97	0.00	0.00	0.00
11,970.00	90.00	90.00	8,850.00	0.00	3,201.97	3,201.97	0.00	0.00	0.00
12,000.00	90.00	90.00	8,850.00	0.00	3,231.97	3,231.97	0.00	0.00	0.00
12,030.00	90.00	90.00	8,850.00	0.00	3,261.97	3,261.97	0.00	0.00	0.00
12,060.00	90.00	90.00	8,850.00	0.00	3,291.97	3,291.97	0.00	0.00	0.00
12,090.00	90.00	90.00	8,850.00	0.00	3,321.97	3,321.97	0.00	0.00	0.00
12,120.00	90.00	90.00	8,850.00	0.00	3,351.97	3,351.97	0.00	0.00	0.00
12,150.00	90.00	90.00	8,850.00	0.00	3,381.97	3,381.97	0.00	0.00	0.00

Black Viper Energy

Survey Report

Company: Cimarex Energy Co., Inc.
Project: Chaves Co. New Mexico
Site: Enterprise 11 St Com #1H
Well: Enterprise 11 St Com #1H
Wellbore: Lateral #1
Design: Plan #1

Local Co-ordinate Reference: Well Enterprise 11 St Com #1H
TVD Reference: WELL @ 4395.00ft (Original Well Elev)
MD Reference: WELL @ 4395.00ft (Original Well Elev)
North Reference: Gnd
Survey Calculation Method: Minimum Curvature
Database: EDM:2003.14 Server Db

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
12,180.00	90.00	90.00	8,850.00	0.00	3,411.97	3,411.97	0.00	0.00	0.00
12,210.00	90.00	90.00	8,850.00	0.00	3,441.97	3,441.97	0.00	0.00	0.00
12,240.00	90.00	90.00	8,850.00	0.00	3,471.97	3,471.97	0.00	0.00	0.00
12,270.00	90.00	90.00	8,850.00	0.00	3,501.97	3,501.97	0.00	0.00	0.00
12,300.00	90.00	90.00	8,850.00	0.00	3,531.97	3,531.97	0.00	0.00	0.00
12,330.00	90.00	90.00	8,850.00	0.00	3,561.97	3,561.97	0.00	0.00	0.00
12,360.00	90.00	90.00	8,850.00	0.00	3,591.97	3,591.97	0.00	0.00	0.00
12,390.00	90.00	90.00	8,850.00	0.00	3,621.97	3,621.97	0.00	0.00	0.00
12,420.00	90.00	90.00	8,850.00	0.00	3,651.97	3,651.97	0.00	0.00	0.00
12,450.00	90.00	90.00	8,850.00	0.00	3,681.97	3,681.97	0.00	0.00	0.00
12,480.00	90.00	90.00	8,850.00	0.00	3,711.97	3,711.97	0.00	0.00	0.00
12,510.00	90.00	90.00	8,850.00	0.00	3,741.97	3,741.97	0.00	0.00	0.00
12,540.00	90.00	90.00	8,850.00	0.00	3,771.97	3,771.97	0.00	0.00	0.00
12,570.00	90.00	90.00	8,850.00	0.00	3,801.97	3,801.97	0.00	0.00	0.00
12,600.00	90.00	90.00	8,850.00	0.00	3,831.97	3,831.97	0.00	0.00	0.00
12,630.00	90.00	90.00	8,850.00	0.00	3,861.97	3,861.97	0.00	0.00	0.00
12,660.00	90.00	90.00	8,850.00	0.00	3,891.97	3,891.97	0.00	0.00	0.00
12,690.00	90.00	90.00	8,850.00	0.00	3,921.97	3,921.97	0.00	0.00	0.00
12,720.00	90.00	90.00	8,850.00	0.00	3,951.97	3,951.97	0.00	0.00	0.00
12,750.00	90.00	90.00	8,850.00	0.00	3,981.97	3,981.97	0.00	0.00	0.00
12,780.00	90.00	90.00	8,850.00	0.00	4,011.97	4,011.97	0.00	0.00	0.00
12,810.00	90.00	90.00	8,850.00	0.00	4,041.97	4,041.97	0.00	0.00	0.00
12,840.00	90.00	90.00	8,850.00	0.00	4,071.97	4,071.97	0.00	0.00	0.00
12,870.00	90.00	90.00	8,850.00	0.00	4,101.97	4,101.97	0.00	0.00	0.00
12,900.00	90.00	90.00	8,850.00	0.00	4,131.97	4,131.97	0.00	0.00	0.00
12,930.00	90.00	90.00	8,850.00	0.00	4,161.97	4,161.97	0.00	0.00	0.00
12,960.00	90.00	90.00	8,850.00	0.00	4,191.97	4,191.97	0.00	0.00	0.00
12,990.00	90.00	90.00	8,850.00	0.00	4,221.97	4,221.97	0.00	0.00	0.00
13,020.00	90.00	90.00	8,850.00	0.00	4,251.97	4,251.97	0.00	0.00	0.00
13,050.00	90.00	90.00	8,850.00	0.00	4,281.97	4,281.97	0.00	0.00	0.00
13,080.00	90.00	90.00	8,850.00	0.00	4,311.97	4,311.97	0.00	0.00	0.00
13,110.00	90.00	90.00	8,850.00	0.00	4,341.97	4,341.97	0.00	0.00	0.00
13,140.00	90.00	90.00	8,850.00	0.00	4,371.97	4,371.97	0.00	0.00	0.00
13,170.00	90.00	90.00	8,850.00	0.00	4,401.97	4,401.97	0.00	0.00	0.00
13,200.00	90.00	90.00	8,850.00	0.00	4,431.97	4,431.97	0.00	0.00	0.00
13,230.00	90.00	90.00	8,850.00	0.00	4,461.97	4,461.97	0.00	0.00	0.00
13,260.00	90.00	90.00	8,850.00	0.00	4,491.97	4,491.97	0.00	0.00	0.00
13,290.00	90.00	90.00	8,850.00	0.00	4,521.97	4,521.97	0.00	0.00	0.00
13,320.00	90.00	90.00	8,850.00	0.00	4,551.97	4,551.97	0.00	0.00	0.00
13,350.00	90.00	90.00	8,850.00	0.00	4,581.97	4,581.97	0.00	0.00	0.00
13,380.00	90.00	90.00	8,850.00	0.00	4,611.97	4,611.97	0.00	0.00	0.00
13,386.93	90.00	90.00	8,850.00	0.00	4,618.90	4,618.90	0.00	0.00	0.00

Black Viper Energy

Survey Report

Company:	Cimarex Energy Co., Inc.	Local Co-ordinate Reference:	Well Enterprise 11 St Com #1H
Project:	Chaves Co., New Mexico	TVD Reference:	WELL @ 4395.00ft (Original Well Elev)
Site:	Enterprise 11 St Com #1H	MD Reference:	WELL @ 4395.00ft (Original Well Elev)
Well:	Enterprise 11 St Com #1H	North Reference:	Gnd
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 2003 14 Server Db

Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
PBHL (Enterprise 11 St Com #1H)	0 00	0 00	8,850 00	0.00	4,618 90	736,697 90	668,287 50	33° 1' 26 525 N	103° 47' 3 406 W
- plan hits target									
- Point									

Plan Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N-S (ft)	+E-W (ft)	
8,650 00	8,650 00	0 00	0 00	KOP @ 8650 00 MD
8,659 01	8,659 01	0 00	0 00	Build 30 00°/100'
8,959 01	8,850 00	0 00	190 99	EOC Hold 90° Inc 90° Azm

Checked By: _____	Approved By: _____	Date: _____
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Cimarex Energy Co., Inc.
Enterprise 11 St Com #1H - Plan #1

30-005-28002

Chaves Co., New Mexico
Enterprise 11 St Com #1H

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
8650.00	0.000	0.000	8650.00	0.00 N	0.00 E	0.00	0.00
8659.01	0.000	0.000	8659.01	0.00 N	0.00 E	0.00	0.00
8670.00	3.296	90.000	8669.99	0.00 N	0.32 E	0.32	30.00
8700.00	12.296	90.000	8699.69	0.00 N	4.38 E	4.38	30.00
8730.00	21.296	90.000	8728.38	0.00 N	13.04 E	13.04	30.00
8760.00	30.296	90.000	8755.36	0.00 N	26.08 E	26.08	30.00
8790.00	39.296	90.000	8779.97	0.00 N	43.18 E	43.18	30.00
8820.00	48.296	90.000	8801.60	0.00 N	63.93 E	63.93	30.00
8850.00	57.296	90.000	8819.72	0.00 N	87.80 E	87.80	30.00
8880.00	66.296	90.000	8833.89	0.00 N	114.21 E	114.21	30.00
8910.00	75.296	90.000	8843.74	0.00 N	142.51 E	142.51	30.00
8940.00	84.296	90.000	8849.05	0.00 N	172.00 E	172.00	30.00
8959.01	90.000	90.000	8850.00	0.00 N	190.99 E	190.99	30.00
8970.00	90.000	90.000	8850.00	0.00 N	201.97 E	201.97	0.00
9000.00	90.000	90.000	8850.00	0.00 N	231.97 E	231.97	0.00
9030.00	90.000	90.000	8850.00	0.00 N	261.97 E	261.97	0.00
9060.00	90.000	90.000	8850.00	0.00 N	291.97 E	291.97	0.00
9090.00	90.000	90.000	8850.00	0.00 N	321.97 E	321.97	0.00
9120.00	90.000	90.000	8850.00	0.00 N	351.97 E	351.97	0.00
9150.00	90.000	90.000	8850.00	0.00 N	381.97 E	381.97	0.00
9180.00	90.000	90.000	8850.00	0.00 N	411.97 E	411.97	0.00
9210.00	90.000	90.000	8850.00	0.00 N	441.97 E	441.97	0.00
9240.00	90.000	90.000	8850.00	0.00 N	471.97 E	471.97	0.00
9270.00	90.000	90.000	8850.00	0.00 N	501.97 E	501.97	0.00
9300.00	90.000	90.000	8850.00	0.00 N	531.97 E	531.97	0.00
9330.00	90.000	90.000	8850.00	0.00 N	561.97 E	561.97	0.00
9360.00	90.000	90.000	8850.00	0.00 N	591.97 E	591.97	0.00
9390.00	90.000	90.000	8850.00	0.00 N	621.97 E	621.97	0.00
9420.00	90.000	90.000	8850.00	0.00 N	651.97 E	651.97	0.00
9450.00	90.000	90.000	8850.00	0.00 N	681.97 E	681.97	0.00
9480.00	90.000	90.000	8850.00	0.00 N	711.97 E	711.97	0.00
9510.00	90.000	90.000	8850.00	0.00 N	741.97 E	741.97	0.00
9540.00	90.000	90.000	8850.00	0.00 N	771.97 E	771.97	0.00
9570.00	90.000	90.000	8850.00	0.00 N	801.97 E	801.97	0.00
9600.00	90.000	90.000	8850.00	0.00 N	831.97 E	831.97	0.00
9630.00	90.000	90.000	8850.00	0.00 N	861.97 E	861.97	0.00
9660.00	90.000	90.000	8850.00	0.00 N	891.97 E	891.97	0.00
9690.00	90.000	90.000	8850.00	0.00 N	921.97 E	921.97	0.00
9720.00	90.000	90.000	8850.00	0.00 N	951.97 E	951.97	0.00
9750.00	90.000	90.000	8850.00	0.00 N	981.97 E	981.97	0.00
9780.00	90.000	90.000	8850.00	0.00 N	1011.97 E	1011.97	0.00
9810.00	90.000	90.000	8850.00	0.00 N	1041.97 E	1041.97	0.00
9840.00	90.000	90.000	8850.00	0.00 N	1071.97 E	1071.97	0.00
9870.00	90.000	90.000	8850.00	0.00 N	1101.97 E	1101.97	0.00
9900.00	90.000	90.000	8850.00	0.00 N	1131.97 E	1131.97	0.00
9930.00	90.000	90.000	8850.00	0.00 N	1161.97 E	1161.97	0.00
9960.00	90.000	90.000	8850.00	0.00 N	1191.97 E	1191.97	0.00
9990.00	90.000	90.000	8850.00	0.00 N	1221.97 E	1221.97	0.00
10020.00	90.000	90.000	8850.00	0.00 N	1251.97 E	1251.97	0.00
10050.00	90.000	90.000	8850.00	0.00 N	1281.97 E	1281.97	0.00
10080.00	90.000	90.000	8850.00	0.00 N	1311.97 E	1311.97	0.00
10110.00	90.000	90.000	8850.00	0.00 N	1341.97 E	1341.97	0.00
10140.00	90.000	90.000	8850.00	0.00 N	1371.97 E	1371.97	0.00
10170.00	90.000	90.000	8850.00	0.00 N	1401.97 E	1401.97	0.00
10200.00	90.000	90.000	8850.00	0.00 N	1431.97 E	1431.97	0.00
10230.00	90.000	90.000	8850.00	0.00 N	1461.97 E	1461.97	0.00
10260.00	90.000	90.000	8850.00	0.00 N	1491.97 E	1491.97	0.00
10290.00	90.000	90.000	8850.00	0.00 N	1521.97 E	1521.97	0.00
10320.00	90.000	90.000	8850.00	0.00 N	1551.97 E	1551.97	0.00
10350.00	90.000	90.000	8850.00	0.00 N	1581.97 E	1581.97	0.00
10380.00	90.000	90.000	8850.00	0.00 N	1611.97 E	1611.97	0.00
10410.00	90.000	90.000	8850.00	0.00 N	1641.97 E	1641.97	0.00
10440.00	90.000	90.000	8850.00	0.00 N	1671.97 E	1671.97	0.00
10470.00	90.000	90.000	8850.00	0.00 N	1701.97 E	1701.97	0.00
10500.00	90.000	90.000	8850.00	0.00 N	1731.97 E	1731.97	0.00

10530.00	90.000	90.000	8850.00	0.00 N	1761.97 E	1761.97	0.00
10560.00	90.000	90.000	8850.00	0.00 N	1791.97 E	1791.97	0.00
10590.00	90.000	90.000	8850.00	0.00 N	1821.97 E	1821.97	0.00
10620.00	90.000	90.000	8850.00	0.00 N	1851.97 E	1851.97	0.00
10650.00	90.000	90.000	8850.00	0.00 N	1881.97 E	1881.97	0.00
10680.00	90.000	90.000	8850.00	0.00 N	1911.97 E	1911.97	0.00
10710.00	90.000	90.000	8850.00	0.00 N	1941.97 E	1941.97	0.00
10740.00	90.000	90.000	8850.00	0.00 N	1971.97 E	1971.97	0.00
10770.00	90.000	90.000	8850.00	0.00 N	2001.97 E	2001.97	0.00
10800.00	90.000	90.000	8850.00	0.00 N	2031.97 E	2031.97	0.00
10830.00	90.000	90.000	8850.00	0.00 N	2061.97 E	2061.97	0.00
10860.00	90.000	90.000	8850.00	0.00 N	2091.97 E	2091.97	0.00
10890.00	90.000	90.000	8850.00	0.00 N	2121.97 E	2121.97	0.00
10920.00	90.000	90.000	8850.00	0.00 N	2151.97 E	2151.97	0.00
10950.00	90.000	90.000	8850.00	0.00 N	2181.97 E	2181.97	0.00
10980.00	90.000	90.000	8850.00	0.00 N	2211.97 E	2211.97	0.00
11010.00	90.000	90.000	8850.00	0.00 N	2241.97 E	2241.97	0.00
11040.00	90.000	90.000	8850.00	0.00 N	2271.97 E	2271.97	0.00
11070.00	90.000	90.000	8850.00	0.00 N	2301.97 E	2301.97	0.00
11100.00	90.000	90.000	8850.00	0.00 N	2331.97 E	2331.97	0.00
11130.00	90.000	90.000	8850.00	0.00 N	2361.97 E	2361.97	0.00
11160.00	90.000	90.000	8850.00	0.00 N	2391.97 E	2391.97	0.00
11190.00	90.000	90.000	8850.00	0.00 N	2421.97 E	2421.97	0.00
11220.00	90.000	90.000	8850.00	0.00 N	2451.97 E	2451.97	0.00
11250.00	90.000	90.000	8850.00	0.00 N	2481.97 E	2481.97	0.00
11280.00	90.000	90.000	8850.00	0.00 N	2511.97 E	2511.97	0.00
11310.00	90.000	90.000	8850.00	0.00 N	2541.97 E	2541.97	0.00
11340.00	90.000	90.000	8850.00	0.00 N	2571.97 E	2571.97	0.00
11370.00	90.000	90.000	8850.00	0.00 N	2601.97 E	2601.97	0.00
11400.00	90.000	90.000	8850.00	0.00 N	2631.97 E	2631.97	0.00
11430.00	90.000	90.000	8850.00	0.00 N	2661.97 E	2661.97	0.00
11460.00	90.000	90.000	8850.00	0.00 N	2691.97 E	2691.97	0.00
11490.00	90.000	90.000	8850.00	0.00 N	2721.97 E	2721.97	0.00
11520.00	90.000	90.000	8850.00	0.00 N	2751.97 E	2751.97	0.00
11550.00	90.000	90.000	8850.00	0.00 N	2781.97 E	2781.97	0.00
11580.00	90.000	90.000	8850.00	0.00 N	2811.97 E	2811.97	0.00
11610.00	90.000	90.000	8850.00	0.00 N	2841.97 E	2841.97	0.00
11640.00	90.000	90.000	8850.00	0.00 N	2871.97 E	2871.97	0.00
11670.00	90.000	90.000	8850.00	0.00 N	2901.97 E	2901.97	0.00
11700.00	90.000	90.000	8850.00	0.00 N	2931.97 E	2931.97	0.00
11730.00	90.000	90.000	8850.00	0.00 N	2961.97 E	2961.97	0.00
11760.00	90.000	90.000	8850.00	0.00 N	2991.97 E	2991.97	0.00
11790.00	90.000	90.000	8850.00	0.00 N	3021.97 E	3021.97	0.00
11820.00	90.000	90.000	8850.00	0.00 N	3051.97 E	3051.97	0.00
11850.00	90.000	90.000	8850.00	0.00 N	3081.97 E	3081.97	0.00
11880.00	90.000	90.000	8850.00	0.00 N	3111.97 E	3111.97	0.00
11910.00	90.000	90.000	8850.00	0.00 N	3141.97 E	3141.97	0.00
11940.00	90.000	90.000	8850.00	0.00 N	3171.97 E	3171.97	0.00
11970.00	90.000	90.000	8850.00	0.00 N	3201.97 E	3201.97	0.00
12000.00	90.000	90.000	8850.00	0.00 N	3231.97 E	3231.97	0.00
12030.00	90.000	90.000	8850.00	0.00 N	3261.97 E	3261.97	0.00
12060.00	90.000	90.000	8850.00	0.00 N	3291.97 E	3291.97	0.00
12090.00	90.000	90.000	8850.00	0.00 N	3321.97 E	3321.97	0.00
12120.00	90.000	90.000	8850.00	0.00 N	3351.97 E	3351.97	0.00
12150.00	90.000	90.000	8850.00	0.00 N	3381.97 E	3381.97	0.00
12180.00	90.000	90.000	8850.00	0.00 N	3411.97 E	3411.97	0.00
12210.00	90.000	90.000	8850.00	0.00 N	3441.97 E	3441.97	0.00
12240.00	90.000	90.000	8850.00	0.00 N	3471.97 E	3471.97	0.00
12270.00	90.000	90.000	8850.00	0.00 N	3501.97 E	3501.97	0.00
12300.00	90.000	90.000	8850.00	0.00 N	3531.97 E	3531.97	0.00
12330.00	90.000	90.000	8850.00	0.00 N	3561.97 E	3561.97	0.00
12360.00	90.000	90.000	8850.00	0.00 N	3591.97 E	3591.97	0.00
12390.00	90.000	90.000	8850.00	0.00 N	3621.97 E	3621.97	0.00
12420.00	90.000	90.000	8850.00	0.00 N	3651.97 E	3651.97	0.00
12450.00	90.000	90.000	8850.00	0.00 N	3681.97 E	3681.97	0.00
12480.00	90.000	90.000	8850.00	0.00 N	3711.97 E	3711.97	0.00
12510.00	90.000	90.000	8850.00	0.00 N	3741.97 E	3741.97	0.00
12540.00	90.000	90.000	8850.00	0.00 N	3771.97 E	3771.97	0.00
12570.00	90.000	90.000	8850.00	0.00 N	3801.97 E	3801.97	0.00
12600.00	90.000	90.000	8850.00	0.00 N	3831.97 E	3831.97	0.00
12630.00	90.000	90.000	8850.00	0.00 N	3861.97 E	3861.97	0.00
12660.00	90.000	90.000	8850.00	0.00 N	3891.97 E	3891.97	0.00
12690.00	90.000	90.000	8850.00	0.00 N	3921.97 E	3921.97	0.00
12720.00	90.000	90.000	8850.00	0.00 N	3951.97 E	3951.97	0.00
12750.00	90.000	90.000	8850.00	0.00 N	3981.97 E	3981.97	0.00

12780.00	90.000	90.000	8850.00	0.00 N	4011.97 E	4011.97	0.00
12810.00	90.000	90.000	8850.00	0.00 N	4041.97 E	4041.97	0.00
12840.00	90.000	90.000	8850.00	0.00 N	4071.97 E	4071.97	0.00
12870.00	90.000	90.000	8850.00	0.00 N	4101.97 E	4101.97	0.00
12900.00	90.000	90.000	8850.00	0.00 N	4131.97 E	4131.97	0.00
12930.00	90.000	90.000	8850.00	0.00 N	4161.97 E	4161.97	0.00
12960.00	90.000	90.000	8850.00	0.00 N	4191.97 E	4191.97	0.00
12990.00	90.000	90.000	8850.00	0.00 N	4221.97 E	4221.97	0.00
13020.00	90.000	90.000	8850.00	0.00 N	4251.97 E	4251.97	0.00
13050.00	90.000	90.000	8850.00	0.00 N	4281.97 E	4281.97	0.00
13080.00	90.000	90.000	8850.00	0.00 N	4311.97 E	4311.97	0.00
13110.00	90.000	90.000	8850.00	0.00 N	4341.97 E	4341.97	0.00
13140.00	90.000	90.000	8850.00	0.00 N	4371.97 E	4371.97	0.00
13170.00	90.000	90.000	8850.00	0.00 N	4401.97 E	4401.97	0.00
13200.00	90.000	90.000	8850.00	0.00 N	4431.97 E	4431.97	0.00
13230.00	90.000	90.000	8850.00	0.00 N	4461.97 E	4461.97	0.00
13260.00	90.000	90.000	8850.00	0.00 N	4491.97 E	4491.97	0.00
13290.00	90.000	90.000	8850.00	0.00 N	4521.97 E	4521.97	0.00
13320.00	90.000	90.000	8850.00	0.00 N	4551.97 E	4551.97	0.00
13350.00	90.000	90.000	8850.00	0.00 N	4581.97 E	4581.97	0.00
13380.00	90.000	90.000	8850.00	0.00 N	4611.97 E	4611.97	0.00
13386.93	90.000	90.000	8850.00	0.00 N	4618.90 E	4618.90	0.00

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North. Vertical depths are relative to WELL. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from Site and calculated along an Azimuth of 90.000° (Grid).

Coordinate System is NAD 1927 (NADCON CONUS) US State Plane 1927 (Exact solution), New Mexico East 3001.

Central meridian is -104.333°.

Grid Convergence at Surface is 0.291°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 13386.93ft., the Bottom Hole Displacement is 4618.90ft., in the Direction of 90.000° (Grid).

Casing, Cementing, BOP, and Mud Details

Cimarex Energy Co. of Colorado

Enterprise 11 State Com No. 1

Unit Letter M Section 11

T15S – R31E Chaves County, NM

30-005-28002

1. Cementing & Setting Depth:

13-3/8" Surface

In 17-1/2" hole, run 13-3/8" 48# H-40 STC casing to 340.' Cement with lead of 115 sx Light Premium Plus + 0.125# Poly-E-Flake + 1% CaCl (wt 14.2, yld 1.64) and tail of 225 sx Premium Plus + 2% CaCl (wt 14.8, yld 1.35)

8-5/8" Intermediate

In 11" hole, run 8-5/8" 24# J-55 LTC casing to 1800.' Cement with lead of 371 sx Interfill C + 0.25# Flocele (wt 11.9, yld 2.45) and tail of 201 sx Premium Plus + 1% CaCl₂ (wt 14.8, yld 1.33)

5-1/2" Production

In 7-7/8" hole, run 5-1/2" 17# N-80 LTC to 11387.' Cement with lead of 650 sx Interfill H + 0.25% HR-7 + 5# Gilsonite + 0.25# Flocele (wt 11.9, yld 2.47) and tail of 370 sx Super H + 0.5% Halad-344 + 0.4% CFR-3 + 1# Salt + 5# Gilsonite + 0.125# Poly-E-Flake + 0.35% HR-7 (wt 13.0, yld 1.67)

2. Pressure control Equipment:

A 13-3/8" 5000 PSI working pressure B.O.P. consisting of one set of blind rams and one set of pipe rams and a 5000# annular type preventor. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system. Rotating head below 6000'. A kelly cock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor. BOP unit will be hydraulically operated. BOP will be nipped up on the 9 5/8" casing and will be operated at least once a day while drilling and the blind rams will be operated when out of hole during trips. No abnormal pressure or temperature is expected while drilling.

3. Proposed Mud Circulating System:

Depth 0 – 340'

Mud Wt: 8.4-8.6

Viscosity: 28-29

Fluid Loss: May lose Circ

Type: Mud Fresh water spud mud; add paper to control seepage; high viscosity sweeps to clean hole.

Casing, Cementing, BOP, and Mud Details

Cimarex Energy Co. of Colorado

Enterprise 11 State Com No. 1

Unit Letter M Section 11

T15S – R31E Chaves County, NM

Depth: 340' – 1800'

Mud Wt: 10.0

Viscosity: 28 – 29

Fluid Loss: May lose circ.

Type: Brine water. Add paper as needed to control seepage and add lime to control pH (9-10). Use high viscosity sweeps to clean hole.

Depth: 1800' - 8300'

Mud Weight: 8.4 - 9.9

Viscosity: 28 – 29

Fluid Loss: NC

Type: Fresh water. Paper for seepage. Lime for pH (9 - 9.5)

Depth: 8300' – 10000'

Mud Wt: 8.45 - 8.9

Viscosity: 28 – 29

Fluid Loss: NC

Type: Cut brine. Caustic for pH control.

Depth: 10000' – 11387'

Mud Wt: 8.9 – 9.7

Viscosity: 29 – 45

Fluid Loss: NC

Type: Cut Brine. Caustic for pH control.

Sufficient mud materials will be kept on location at all times in order to combat lost circulation or unexpected kicks. In order to run DSTs, open hole logs, and casing, the viscosity and water loss may have to be adjusted in order to meet these needs. Mud system monitoring equipment with derrick floor indicators and visual/audio alarms shall be installed and operative prior to drilling into the Wolfcamp formation. This equipment will remain in use until production casing is run and cemented.