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: Cimarex Energy Co. of Colorado Telephone: 972-401-3111 e-mail address: zfarris@cimarex.com
Address: PO Box 140907; Irving, TX 75014-0907
Facility or well name: Enterprise 11 State Com No. 2 API #: 30-005-28003 U/L or Qtr/Qtr L Sec 11 T 15S R 31E
County: Chaves Latitude 33 029421 N Longitude 103.799343 W NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☐ State ☒ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume _____ bbl closed system, cuttings buried	Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) 222'	Less than 50 feet 50 feet or more, but less than 100 feet (100 feet or more)	(20 points) (10 points) (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources)	Yes (No)	(20 points) (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet (1000 feet or more)	(20 points) (10 points) (0 points)
	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 your 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. SUP Signature Chris Williams Date: 1/04/08

State of New Mexico
Energy, Minerals and Natural Resources Department

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

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

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	Pool Code	Pool Name
30-005-28003	60615	Tulk; Wolfcamp, Southwest

Property Code	Property Name	Well Number
36906	ENTERPRISE 11 ST COM	2

OGRID No.	Operator Name	Elevation
162683	CIMAREX ENERGY COMPANY OF COLORADO	4402'

Surface Location

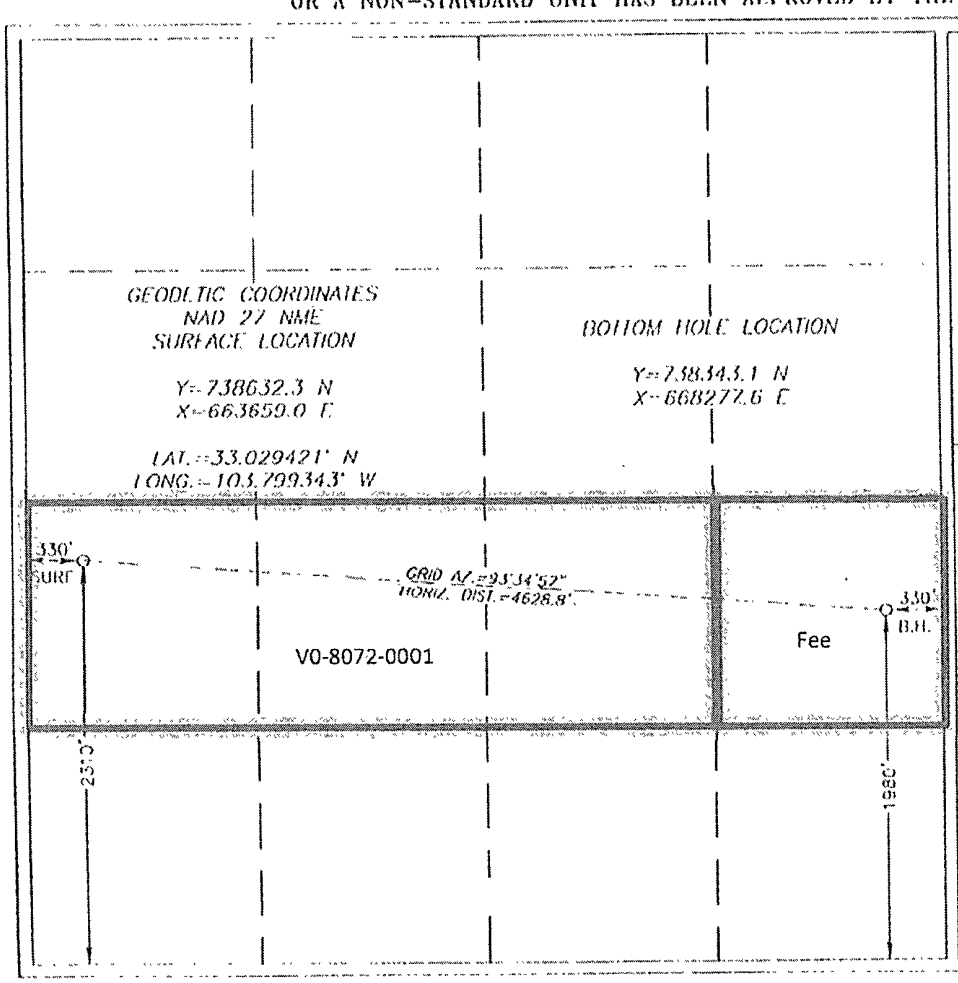
Ul. or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	11	15-S	31-E		2310	SOUTH	330	WEST	CHAVES

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
I	11	15-S	31-E		1980	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



OPERATOR CERTIFICATION

I hereby certify that the information herein 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.

Zeno Farris 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

Ronald J. Eidson 12/05/07
07.11.1594

Certificate No. GARY EIDSON 12641
RONALD J. EIDSON 3239

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"

30-005-28003

December 17, 2007

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. 2 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. 2
11-15S-31E
SHL 2310' FSL & 330' FWL
BHL 1980' 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

Zeno Farris
Manager, Operations Administration

Project Chaves Co , New Mexico
Site Enterprise 11 St Com #2H
Well Enterprise 11 St Com #2H
Wellbore Lateral #1
Plan Plan #1 (Enterprise 11 St Com #2H/Lateral #1)

30-005-28003

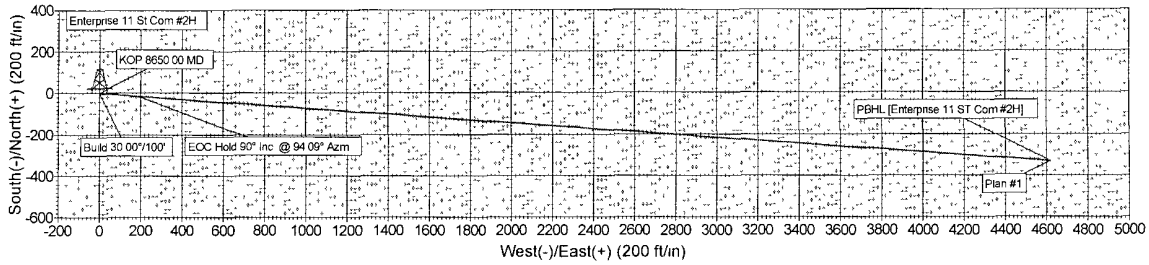
PROJECT DETAILS Chaves Co , New Mexico

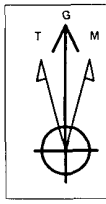
Geodetic System US State Plane 1927 (Exact solution)
Datum NAD 1927 (NADCON CONUS)
Ellipsoid Clarke 1866
Zone New Mexico East 3001

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 @ 94 09° Azm

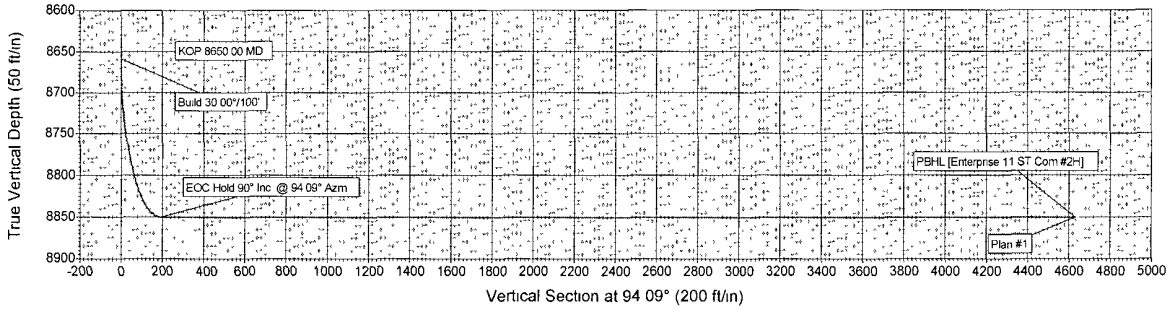




Azimuths to Grid North
True North -0 29°
Magnetic North 8 44°
Magnetic Field
Strength 49877 4nT
Dip Angle 61 14°
Date 12/31/2004
Model IGRF2000

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	94 09	8850 00	-13 61	190 50	30 00	94 09	-13 61	
4	13398 40	90 00	94 09	8850 00	-330 00	4618 60	0 00	0 00	-330 00	PBHL [Enterprise 11 ST Com #2H]



Plan Plan #1 (Enterprise 11 St Com #2H/Lateral #1)
Created By Heather Vannoy Date December 11 2007

30-005-28003

Cimarex Energy Co., Inc.

Chaves Co., New Mexico
Enterprise 11 St Com #2H
Enterprise 11 St Com #2H
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 #2H
Project:	Chaves Co , New Mexico	**TVD Reference:**	WELL @ 4402 00ft (Original Well Elev)
Site:	Enterprise 11 St Com #2H	**MD Reference:**	WELL @ 4402 00ft (Original Well Elev)
Well:	Enterprise 11 St Com #2H	**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 #2H

Site Position:		**Northing:**	738,632 30 ft	**Latitude:**	33° 1' 45 901 N
From:	Map	**Easting:**	663,659 00 ft	**Longitude:**	103° 47' 57 652 W
Position Uncertainty:	0 00 ft	**Slot Radius:**	"	**Grid Convergence:**	0 29 °

Well Enterprise 11 St Com #2H

Well Position	**+N/-S**	0 00 ft	**Northing:**	738,632 30 ft	**Latitude:**	33° 1' 45 901 N
	+E/-W	0 00 ft	**Easting:**	663,659 00 ft	**Longitude:**	103° 47' 57 652 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 (nT)
	IGRF2000	12/31/2004	8 73	61 14	49,877

Design Plan #1

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	8,650 00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0 00	0.00	0 00	94 09

Survey Tool Program **Date** 12/11/2007

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
8,650 00	13,398 40	Plan #1 (Lateral #1)	MWD	MWD - Standard

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)
8,650 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	94 09	8,669 99	-0 02	0 32	0 32	30 00	30 00	0 00
8,700 00	12 30	94 09	8,699 69	-0 31	4 37	4 38	30 00	30 00	0 00
8,730 00	21 30	94 09	8,728 38	-0 93	13 01	13 04	30 00	30 00	0 00
8,760 00	30 30	94 09	8,755 36	-1 86	26 02	26 08	30 00	30 00	0 00
8,790 00	39 30	94.09	8,779 97	-3 08	43 07	43 18	30 00	30 00	0 00
8,820 00	48 30	94 09	8,801 60	-4 56	63 76	63 93	30 00	30 00	0 00
8,850 00	57 30	94 09	8,819 72	-6 26	87 57	87 80	30 00	30 00	0 00
8,880 00	66 30	94 09	8,833 89	-8 14	113 92	114.21	30 00	30 00	0 00
8,910 00	75 30	94 09	8,843 74	-10 16	142 15	142.51	30 00	30 00	0 00

Black Viper Energy

Survey Report

Company:	Cimarex Energy Co , Inc	**Local Co-ordinate Reference:**	Well Enterprise 11 St Com #2H
Project:	Chaves Co , New Mexico	**TVD Reference:**	WELL @ 4402 00ft (Original Well Elev)
Site:	Enterprise 11 St Com #2H	**MD Reference:**	WELL @ 4402 00ft (Original Well Elev)
Well:	Enterprise 11 St Com #2H	**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)
8,940 00	84 30	94 09	8,849 05	-12 26	171 57	172 00	30 00	30 00	0 00
8,959 01	90 00	94 09	8,850 00	-13 61	190 50	190 99	30 00	30 00	0 00
EOC Hold 90° Inc. @ 94.09° Azm									
8,970 00	90 00	94 09	8,850 00	-14 39	201 46	201 97	0 00	0 00	0 00
9,000 00	90 00	94 09	8,850 00	-16 53	231 38	231 97	0 00	0 00	0 00
9,030 00	90 00	94 09	8,850 00	-18 67	261.31	261 97	0 00	0 00	0 00
9,060 00	90.00	94 09	8,850 00	-20 81	291 23	291.97	0 00	0 00	0 00
9,090 00	90 00	94 09	8,850 00	-22 95	321 15	321 97	0 00	0 00	0 00
9,120 00	90 00	94 09	8,850 00	-25 08	351 08	351 97	0 00	0 00	0 00
9,150 00	90 00	94 09	8,850 00	-27 22	381 00	381 97	0 00	0 00	0 00
9,180 00	90 00	94 09	8,850 00	-29 36	410 92	411 97	0 00	0 00	0 00
9,210 00	90 00	94 09	8,850 00	-31 50	440 85	441 97	0 00	0 00	0 00
9,240 00	90 00	94 09	8,850 00	-33 64	470 77	471 97	0 00	0 00	0 00
9,270 00	90 00	94 09	8,850 00	-35 77	500 70	501 97	0 00	0 00	0 00
9,300 00	90 00	94 09	8,850 00	-37 91	530 62	531 97	0 00	0 00	0 00
9,330 00	90 00	94 09	8,850 00	-40 05	560 54	561 97	0 00	0 00	0 00
9,360 00	90 00	94 09	8,850 00	-42 19	590 47	591 97	0 00	0 00	0 00
9,390 00	90 00	94 09	8,850 00	-44 33	620 39	621 97	0 00	0 00	0 00
9,420 00	90 00	94 09	8,850 00	-46 47	650 31	651 97	0 00	0 00	0 00
9,450 00	90 00	94 09	8,850 00	-48 60	680 24	681 97	0 00	0 00	0 00
9,480 00	90 00	94 09	8,850 00	-50 74	710 16	711 97	0 00	0 00	0 00
9,510 00	90 00	94 09	8,850 00	-52 88	740 09	741.97	0 00	0 00	0 00
9,540 00	90 00	94 09	8,850 00	-55 02	770 01	771 97	0 00	0 00	0 00
9,570 00	90 00	94 09	8,850 00	-57.16	799 93	801 97	0 00	0 00	0 00
9,600 00	90 00	94 09	8,850 00	-59 29	829 86	831 97	0 00	0 00	0.00
9,630 00	90 00	94 09	8,850 00	-61 43	859 78	861 97	0 00	0 00	0 00
9,660 00	90.00	94 09	8,850 00	-63 57	889 70	891 97	0 00	0 00	0 00
9,690 00	90 00	94 09	8,850 00	-65 71	919 63	921 97	0 00	0 00	0 00
9,720 00	90 00	94 09	8,850 00	-67 85	949 55	951 97	0 00	0 00	0 00
9,750 00	90 00	94.09	8,850 00	-69 98	979 48	981 97	0 00	0 00	0 00
9,780 00	90 00	94 09	8,850 00	-72 12	1,009 40	1,011 97	0 00	0 00	0 00
9,810 00	90 00	94 09	8,850 00	-74 26	1,039 32	1,041 97	0 00	0 00	0 00
9,840 00	90 00	94 09	8,850 00	-76 40	1,069.25	1,071 97	0 00	0.00	0 00
9,870 00	90 00	94 09	8,850 00	-78 54	1,099 17	1,101 97	0 00	0 00	0 00
9,900 00	90 00	94 09	8,850 00	-80 67	1,129.09	1,131 97	0 00	0 00	0 00
9,930 00	90 00	94 09	8,850 00	-82 81	1,159 02	1,161 97	0 00	0 00	0 00
9,960 00	90 00	94 09	8,850 00	-84 95	1,188 94	1,191 97	0 00	0 00	0 00
9,990 00	90 00	94 09	8,850 00	-87.09	1,218 86	1,221 97	0 00	0 00	0.00
10,020 00	90 00	94 09	8,850 00	-89 23	1,248 79	1,251 97	0 00	0 00	0 00
10,050 00	90 00	94 09	8,850 00	-91 36	1,278 71	1,281 97	0 00	0 00	0 00
10,080 00	90 00	94 09	8,850 00	-93 50	1,308 64	1,311 97	0 00	0 00	0 00
10,110 00	90 00	94.09	8,850 00	-95 64	1,338 56	1,341 97	0 00	0 00	0 00
10,140 00	90 00	94 09	8,850 00	-97 78	1,368 48	1,371 97	0 00	0 00	0.00
10,170 00	90 00	94.09	8,850 00	-99 92	1,398 41	1,401 97	0 00	0 00	0 00
10,200 00	90 00	94 09	8,850 00	-102 05	1,428.33	1,431 97	0 00	0 00	0 00
10,230 00	90 00	94 09	8,850 00	-104 19	1,458 25	1,461 97	0 00	0 00	0 00
10,260 00	90 00	94 09	8,850 00	-106 33	1,488 18	1,491 97	0 00	0 00	0 00
10,290 00	90 00	94 09	8,850 00	-108 47	1,518 10	1,521 97	0 00	0 00	0 00
10,320 00	90 00	94 09	8,850 00	-110 61	1,548 03	1,551.97	0 00	0 00	0 00
10,350 00	90 00	94 09	8,850 00	-112 74	1,577 95	1,581.97	0 00	0 00	0 00
10,380 00	90 00	94 09	8,850 00	-114 88	1,607 87	1,611 97	0 00	0 00	0 00
10,410 00	90 00	94 09	8,850 00	-117.02	1,637 80	1,641 97	0 00	0 00	0 00
10,440 00	90 00	94 09	8,850 00	-119 16	1,667 72	1,671 97	0 00	0.00	0 00
10,470 00	90 00	94 09	8,850 00	-121 30	1,697 64	1,701 97	0 00	0 00	0 00
10,500.00	90 00	94 09	8,850 00	-123 44	1,727.57	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 #2H
Project:	Chaves Co , New Mexico	**TVD Reference:**	WELL @ 4402 00ft (Original Well Elev)
Site:	Enterprise 11 St Com #2H	**MD Reference:**	WELL @ 4402 00ft (Original Well Elev)
Well:	Enterprise 11 St Com #2H	**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	94 09	8,850 00	-125 57	1,757 49	1,761 97	0 00	0 00	0 00
10,560 00	90 00	94 09	8,850 00	-127 71	1,787 42	1,791 97	0 00	0 00	0 00
10,590 00	90 00	94 09	8,850 00	-129 85	1,817 34	1,821 97	0 00	0 00	0 00
10,620 00	90 00	94 09	8,850 00	-131 99	1,847 26	1,851 97	0 00	0 00	0 00
10,650 00	90 00	94 09	8,850 00	-134 13	1,877 19	1,881 97	0 00	0 00	0 00
10,680 00	90 00	94 09	8,850 00	-136 26	1,907.11	1,911 97	0 00	0 00	0 00
10,710 00	90 00	94 09	8,850 00	-138 40	1,937 03	1,941 97	0 00	0 00	0 00
10,740 00	90 00	94 09	8,850.00	-140 54	1,966 96	1,971 97	0 00	0 00	0 00
10,770 00	90 00	94 09	8,850 00	-142 68	1,996 88	2,001 97	0 00	0 00	0 00
10,800 00	90 00	94 09	8,850 00	-144 82	2,026 81	2,031 97	0 00	0 00	0 00
10,830 00	90 00	94 09	8,850 00	-146 95	2,056 73	2,061 97	0 00	0 00	0 00
10,860 00	90 00	94 09	8,850 00	-149 09	2,086 65	2,091 97	0 00	0 00	0 00
10,890 00	90 00	94 09	8,850 00	-151 23	2,116 58	2,121 97	0 00	0 00	0 00
10,920 00	90 00	94 09	8,850 00	-153 37	2,146 50	2,151 97	0 00	0 00	0 00
10,950 00	90 00	94 09	8,850 00	-155 51	2,176 42	2,181 97	0 00	0 00	0 00
10,980 00	90 00	94 09	8,850 00	-157 64	2,206 35	2,211 97	0 00	0 00	0 00
11,010 00	90 00	94 09	8,850 00	-159 78	2,236 27	2,241 97	0 00	0 00	0 00
11,040 00	90 00	94 09	8,850 00	-161 92	2,266 19	2,271 97	0 00	0 00	0 00
11,070 00	90 00	94 09	8,850 00	-164 06	2,296 12	2,301 97	0 00	0 00	0 00
11,100 00	90 00	94.09	8,850 00	-166 20	2,326 04	2,331 97	0 00	0 00	0.00
11,130 00	90 00	94.09	8,850 00	-168 33	2,355 97	2,361 97	0 00	0 00	0 00
11,160 00	90 00	94 09	8,850 00	-170 47	2,385 89	2,391 97	0 00	0 00	0 00
11,190 00	90 00	94 09	8,850 00	-172 61	2,415 81	2,421 97	0 00	0 00	0 00
11,220 00	90 00	94 09	8,850 00	-174 75	2,445 74	2,451 97	0 00	0 00	0 00
11,250 00	90 00	94 09	8,850 00	-176 89	2,475.66	2,481 97	0 00	0 00	0 00
11,280 00	90 00	94 09	8,850 00	-179 02	2,505 58	2,511 97	0 00	0 00	0 00
11,310 00	90 00	94 09	8,850 00	-181.16	2,535 51	2,541 97	0 00	0 00	0 00
11,340 00	90 00	94 09	8,850 00	-183 30	2,565 43	2,571 97	0 00	0 00	0 00
11,370 00	90 00	94 09	8,850 00	-185 44	2,595 36	2,601 97	0 00	0 00	0 00
11,400 00	90.00	94 09	8,850 00	-187 58	2,625 28	2,631 97	0 00	0 00	0 00
11,430 00	90 00	94 09	8,850 00	-189 71	2,655 20	2,661 97	0 00	0 00	0 00
11,460 00	90 00	94 09	8,850 00	-191 85	2,685 13	2,691 97	0 00	0 00	0 00
11,490 00	90 00	94 09	8,850 00	-193.99	2,715 05	2,721 97	0 00	0 00	0 00
11,520 00	90 00	94 09	8,850 00	-196 13	2,744 97	2,751 97	0 00	0 00	0 00
11,550 00	90 00	94 09	8,850 00	-198 27	2,774 90	2,781 97	0 00	0 00	0 00
11,580 00	90 00	94 09	8,850 00	-200 41	2,804 82	2,811 97	0 00	0 00	0 00
11,610 00	90 00	94 09	8,850 00	-202 54	2,834 75	2,841 97	0 00	0 00	0 00
11,640 00	90 00	94.09	8,850 00	-204 68	2,864 67	2,871.97	0 00	0 00	0 00
11,670 00	90 00	94 09	8,850 00	-206 82	2,894 59	2,901 97	0 00	0 00	0 00
11,700 00	90 00	94 09	8,850 00	-208.96	2,924 52	2,931.97	0 00	0 00	0 00
11,730 00	90 00	94 09	8,850 00	-211 10	2,954 44	2,961 97	0 00	0 00	0 00
11,760 00	90 00	94 09	8,850 00	-213 23	2,984 36	2,991 97	0 00	0 00	0 00
11,790 00	90 00	94 09	8,850 00	-215 37	3,014 29	3,021 97	0 00	0 00	0 00
11,820 00	90 00	94 09	8,850 00	-217 51	3,044 21	3,051 97	0 00	0 00	0 00
11,850 00	90 00	94 09	8,850 00	-219 65	3,074 14	3,081 97	0 00	0 00	0 00
11,880 00	90 00	94 09	8,850 00	-221 79	3,104 06	3,111 97	0 00	0 00	0 00
11,910 00	90 00	94 09	8,850 00	-223 92	3,133 98	3,141 97	0 00	0 00	0 00
11,940 00	90 00	94 09	8,850 00	-226 06	3,163 91	3,171 97	0 00	0 00	0 00
11,970 00	90 00	94.09	8,850 00	-228 20	3,193 83	3,201 97	0 00	0 00	0 00
12,000 00	90 00	94 09	8,850 00	-230 34	3,223 75	3,231 97	0 00	0 00	0 00
12,030 00	90 00	94 09	8,850 00	-232 48	3,253 68	3,261 97	0 00	0 00	0 00
12,060 00	90 00	94 09	8,850 00	-234 61	3,283 60	3,291 97	0 00	0 00	0.00
12,090 00	90 00	94 09	8,850 00	-236 75	3,313 52	3,321.97	0 00	0 00	0 00
12,120 00	90 00	94.09	8,850.00	-238 89	3,343 45	3,351 97	0 00	0.00	0 00
12,150 00	90 00	94 09	8,850.00	-241.03	3,373 37	3,381 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 #2H
Project:	Chaves Co , New Mexico	**TVD Reference:**	WELL @ 4402 00ft (Original Well Elev)
Site:	Enterprise 11 St Com #2H	**MD Reference:**	WELL @ 4402 00ft (Original Well Elev)
Well:	Enterprise 11 St Com #2H	**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)
12,180 00	90 00	94 09	8,850 00	-243 17	3,403 30	3,411 97	0 00	0 00	0 00
12,210 00	90 00	94 09	8,850 00	-245 30	3,433 22	3,441 97	0 00	0 00	0 00
12,240 00	90 00	94 09	8,850.00	-247.44	3,463 14	3,471 97	0 00	0 00	0 00
12,270.00	90 00	94 09	8,850 00	-249 58	3,493 07	3,501 97	0 00	0 00	0 00
12,300 00	90 00	94 09	8,850 00	-251 72	3,522.99	3,531 97	0 00	0 00	0 00
12,330 00	90 00	94 09	8,850 00	-253 86	3,552.91	3,561.97	0 00	0 00	0 00
12,360 00	90 00	94 09	8,850 00	-255 99	3,582 84	3,591 97	0 00	0 00	0 00
12,390 00	90 00	94 09	8,850 00	-258 13	3,612 76	3,621 97	0 00	0 00	0 00
12,420 00	90 00	94 09	8,850 00	-260 27	3,642 69	3,651 97	0 00	0 00	0 00
12,450 00	90 00	94 09	8,850 00	-262 41	3,672 61	3,681 97	0 00	0 00	0 00
12,480 00	90 00	94 09	8,850 00	-264 55	3,702 53	3,711.97	0 00	0 00	0 00
12,510 00	90 00	94 09	8,850 00	-266 68	3,732.46	3,741 97	0 00	0 00	0 00
12,540 00	90 00	94 09	8,850 00	-268 82	3,762 38	3,771 97	0 00	0 00	0 00
12,570 00	90 00	94 09	8,850 00	-270 96	3,792 30	3,801 97	0 00	0 00	0 00
12,600 00	90 00	94 09	8,850 00	-273 10	3,822.23	3,831 97	0 00	0 00	0 00
12,630 00	90 00	94 09	8,850 00	-275 24	3,852 15	3,861 97	0 00	0 00	0 00
12,660 00	90 00	94 09	8,850 00	-277 38	3,882 08	3,891 97	0 00	0 00	0.00
12,690 00	90 00	94 09	8,850 00	-279 51	3,912 00	3,921 97	0 00	0 00	0 00
12,720 00	90 00	94 09	8,850 00	-281 65	3,941.92	3,951 97	0 00	0 00	0 00
12,750 00	90 00	94 09	8,850 00	-283 79	3,971 85	3,981 97	0 00	0 00	0 00
12,780 00	90 00	94 09	8,850 00	-285.93	4,001 77	4,011 97	0 00	0 00	0 00
12,810 00	90 00	94 09	8,850 00	-288 07	4,031 69	4,041 97	0 00	0 00	0 00
12,840 00	90 00	94 09	8,850 00	-290 20	4,061.62	4,071 97	0 00	0 00	0 00
12,870 00	90 00	94 09	8,850 00	-292.34	4,091 54	4,101 97	0 00	0 00	0 00
12,900 00	90 00	94 09	8,850 00	-294 48	4,121.47	4,131.97	0 00	0 00	0 00
12,930 00	90 00	94 09	8,850 00	-296 62	4,151 39	4,161 97	0 00	0 00	0 00
12,960 00	90 00	94 09	8,850 00	-298 76	4,181 31	4,191 97	0 00	0 00	0 00
12,990 00	90 00	94.09	8,850 00	-300 89	4,211 24	4,221 97	0 00	0 00	0 00
13,020 00	90 00	94 09	8,850 00	-303 03	4,241 16	4,251 97	0 00	0 00	0 00
13,050 00	90 00	94 09	8,850 00	-305 17	4,271 08	4,281 97	0 00	0 00	0 00
13,080 00	90 00	94 09	8,850 00	-307 31	4,301 01	4,311 97	0 00	0 00	0 00
13,110 00	90 00	94 09	8,850 00	-309 45	4,330 93	4,341 97	0 00	0 00	0 00
13,140 00	90 00	94 09	8,850 00	-311 58	4,360 85	4,371 97	0 00	0 00	0 00
13,170 00	90 00	94 09	8,850 00	-313 72	4,390 78	4,401 97	0 00	0 00	0 00
13,200 00	90 00	94 09	8,850 00	-315 86	4,420 70	4,431 97	0 00	0 00	0 00
13,230 00	90 00	94 09	8,850 00	-318 00	4,450 63	4,461 97	0 00	0 00	0 00
13,260 00	90 00	94 09	8,850 00	-320 14	4,480 55	4,491 97	0 00	0 00	0 00
13,290 00	90 00	94 09	8,850 00	-322 27	4,510 47	4,521 97	0 00	0 00	0 00
13,320 00	90 00	94 09	8,850 00	-324 41	4,540 40	4,551 97	0 00	0 00	0 00
13,350 00	90 00	94 09	8,850 00	-326 55	4,570 32	4,581 97	0 00	0 00	0 00
13,380 00	90 00	94 09	8,850 00	-328 69	4,600 24	4,611.97	0 00	0 00	0 00
13,398.40	90.00	94 09	8,850 00	-330 00	4,618 60	4,630 37	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 #2H
Project:	Chaves Co , New Mexico	**TVD Reference:**	WELL @ 4402 00ft (Original Well Elev)
Site:	Enterprise 11 St Com #2H	**MD Reference:**	WELL @ 4402 00ft (Original Well Elev)
Well:	Enterprise 11 St Com #2H	**North Reference:**	Grid
Wellbore:	Lateral #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	EDM 2003 14 Server Db

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL [Enterprise 11 ST - plan hits target - Point	0 00	0 00	8,850 00	-330 00	4,618 60	738,302 30	668,277 60	33° 1' 42 400 N	103° 47' 3 424 W

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
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	-13 61	190 50	EOC Hold 90° Inc @ 94 09° Azm

Checked By: _____ Approved By: _____ Date: _____

Cimarex Energy Co., Inc.
Enterprise 11 St Com #2H - Plan #1

30-005-28003

Chaves Co., New Mexico
Enterprise 11 St Com #2H

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	94.087	8669.99	0.02 S	0.32 E	0.32	30.00
8700.00	12.296	94.087	8699.69	0.31 S	4.37 E	4.38	30.00
8730.00	21.296	94.087	8728.38	0.93 S	13.01 E	13.04	30.00
8760.00	30.296	94.087	8755.36	1.86 S	26.02 E	26.08	30.00
8790.00	39.296	94.087	8779.97	3.08 S	43.07 E	43.18	30.00
8820.00	48.296	94.087	8801.60	4.56 S	63.76 E	63.93	30.00
8850.00	57.296	94.087	8819.72	6.26 S	87.57 E	87.80	30.00
8880.00	66.296	94.087	8833.89	8.14 S	113.92 E	114.21	30.00
8910.00	75.296	94.087	8843.74	10.16 S	142.15 E	142.51	30.00
8940.00	84.296	94.087	8849.05	12.26 S	171.57 E	172.00	30.00
8959.01	90.000	94.087	8850.00	13.61 S	190.50 E	190.99	30.00
8970.00	90.000	94.087	8850.00	14.39 S	201.46 E	201.97	0.00
9000.00	90.000	94.087	8850.00	16.53 S	231.38 E	231.97	0.00
9030.00	90.000	94.087	8850.00	18.67 S	261.31 E	261.97	0.00
9060.00	90.000	94.087	8850.00	20.81 S	291.23 E	291.97	0.00
9090.00	90.000	94.087	8850.00	22.95 S	321.15 E	321.97	0.00
9120.00	90.000	94.087	8850.00	25.08 S	351.08 E	351.97	0.00
9150.00	90.000	94.087	8850.00	27.22 S	381.00 E	381.97	0.00
9180.00	90.000	94.087	8850.00	29.36 S	410.92 E	411.97	0.00
9210.00	90.000	94.087	8850.00	31.50 S	440.85 E	441.97	0.00
9240.00	90.000	94.087	8850.00	33.64 S	470.77 E	471.97	0.00
9270.00	90.000	94.087	8850.00	35.77 S	500.70 E	501.97	0.00
9300.00	90.000	94.087	8850.00	37.91 S	530.62 E	531.97	0.00
9330.00	90.000	94.087	8850.00	40.05 S	560.54 E	561.97	0.00
9360.00	90.000	94.087	8850.00	42.19 S	590.47 E	591.97	0.00
9390.00	90.000	94.087	8850.00	44.33 S	620.39 E	621.97	0.00
9420.00	90.000	94.087	8850.00	46.47 S	650.31 E	651.97	0.00
9450.00	90.000	94.087	8850.00	48.60 S	680.24 E	681.97	0.00
9480.00	90.000	94.087	8850.00	50.74 S	710.16 E	711.97	0.00
9510.00	90.000	94.087	8850.00	52.88 S	740.09 E	741.97	0.00
9540.00	90.000	94.087	8850.00	55.02 S	770.01 E	771.97	0.00
9570.00	90.000	94.087	8850.00	57.16 S	799.93 E	801.97	0.00
9600.00	90.000	94.087	8850.00	59.29 S	829.86 E	831.97	0.00
9630.00	90.000	94.087	8850.00	61.43 S	859.78 E	861.97	0.00
9660.00	90.000	94.087	8850.00	63.57 S	889.70 E	891.97	0.00
9690.00	90.000	94.087	8850.00	65.71 S	919.63 E	921.97	0.00
9720.00	90.000	94.087	8850.00	67.85 S	949.55 E	951.97	0.00
9750.00	90.000	94.087	8850.00	69.98 S	979.48 E	981.97	0.00
9780.00	90.000	94.087	8850.00	72.12 S	1009.40 E	1011.97	0.00
9810.00	90.000	94.087	8850.00	74.26 S	1039.32 E	1041.97	0.00
9840.00	90.000	94.087	8850.00	76.40 S	1069.25 E	1071.97	0.00
9870.00	90.000	94.087	8850.00	78.54 S	1099.17 E	1101.97	0.00
9900.00	90.000	94.087	8850.00	80.67 S	1129.09 E	1131.97	0.00
9930.00	90.000	94.087	8850.00	82.81 S	1159.02 E	1161.97	0.00
9960.00	90.000	94.087	8850.00	84.95 S	1188.94 E	1191.97	0.00
9990.00	90.000	94.087	8850.00	87.09 S	1218.86 E	1221.97	0.00
10020.00	90.000	94.087	8850.00	89.23 S	1248.79 E	1251.97	0.00
10050.00	90.000	94.087	8850.00	91.36 S	1278.71 E	1281.97	0.00
10080.00	90.000	94.087	8850.00	93.50 S	1308.64 E	1311.97	0.00
10110.00	90.000	94.087	8850.00	95.64 S	1338.56 E	1341.97	0.00
10140.00	90.000	94.087	8850.00	97.78 S	1368.48 E	1371.97	0.00
10170.00	90.000	94.087	8850.00	99.92 S	1398.41 E	1401.97	0.00
10200.00	90.000	94.087	8850.00	102.05 S	1428.33 E	1431.97	0.00
10230.00	90.000	94.087	8850.00	104.19 S	1458.25 E	1461.97	0.00
10260.00	90.000	94.087	8850.00	106.33 S	1488.18 E	1491.97	0.00
10290.00	90.000	94.087	8850.00	108.47 S	1518.10 E	1521.97	0.00
10320.00	90.000	94.087	8850.00	110.61 S	1548.03 E	1551.97	0.00
10350.00	90.000	94.087	8850.00	112.74 S	1577.95 E	1581.97	0.00
10380.00	90.000	94.087	8850.00	114.88 S	1607.87 E	1611.97	0.00
10410.00	90.000	94.087	8850.00	117.02 S	1637.80 E	1641.97	0.00
10440.00	90.000	94.087	8850.00	119.16 S	1667.72 E	1671.97	0.00
10470.00	90.000	94.087	8850.00	121.30 S	1697.64 E	1701.97	0.00
10500.00	90.000	94.087	8850.00	123.44 S	1727.57 E	1731.97	0.00

10530.00	90.000	94.087	8850.00	125.57 S	1757.49 E	1761.97	0.00
10560.00	90.000	94.087	8850.00	127.71 S	1787.42 E	1791.97	0.00
10590.00	90.000	94.087	8850.00	129.85 S	1817.34 E	1821.97	0.00
10620.00	90.000	94.087	8850.00	131.99 S	1847.26 E	1851.97	0.00
10650.00	90.000	94.087	8850.00	134.13 S	1877.19 E	1881.97	0.00
10680.00	90.000	94.087	8850.00	136.26 S	1907.11 E	1911.97	0.00
10710.00	90.000	94.087	8850.00	138.40 S	1937.03 E	1941.97	0.00
10740.00	90.000	94.087	8850.00	140.54 S	1966.96 E	1971.97	0.00
10770.00	90.000	94.087	8850.00	142.68 S	1996.88 E	2001.97	0.00
10800.00	90.000	94.087	8850.00	144.82 S	2026.81 E	2031.97	0.00
10830.00	90.000	94.087	8850.00	146.95 S	2056.73 E	2061.97	0.00
10860.00	90.000	94.087	8850.00	149.09 S	2086.65 E	2091.97	0.00
10890.00	90.000	94.087	8850.00	151.23 S	2116.58 E	2121.97	0.00
10920.00	90.000	94.087	8850.00	153.37 S	2146.50 E	2151.97	0.00
10950.00	90.000	94.087	8850.00	155.51 S	2176.42 E	2181.97	0.00
10980.00	90.000	94.087	8850.00	157.64 S	2206.35 E	2211.97	0.00
11010.00	90.000	94.087	8850.00	159.78 S	2236.27 E	2241.97	0.00
11040.00	90.000	94.087	8850.00	161.92 S	2266.19 E	2271.97	0.00
11070.00	90.000	94.087	8850.00	164.06 S	2296.12 E	2301.97	0.00
11100.00	90.000	94.087	8850.00	166.20 S	2326.04 E	2331.97	0.00
11130.00	90.000	94.087	8850.00	168.33 S	2355.97 E	2361.97	0.00
11160.00	90.000	94.087	8850.00	170.47 S	2385.89 E	2391.97	0.00
11190.00	90.000	94.087	8850.00	172.61 S	2415.81 E	2421.97	0.00
11220.00	90.000	94.087	8850.00	174.75 S	2445.74 E	2451.97	0.00
11250.00	90.000	94.087	8850.00	176.89 S	2475.66 E	2481.97	0.00
11280.00	90.000	94.087	8850.00	179.02 S	2505.58 E	2511.97	0.00
11310.00	90.000	94.087	8850.00	181.16 S	2535.51 E	2541.97	0.00
11340.00	90.000	94.087	8850.00	183.30 S	2565.43 E	2571.97	0.00
11370.00	90.000	94.087	8850.00	185.44 S	2595.36 E	2601.97	0.00
11400.00	90.000	94.087	8850.00	187.58 S	2625.28 E	2631.97	0.00
11430.00	90.000	94.087	8850.00	189.71 S	2655.20 E	2661.97	0.00
11460.00	90.000	94.087	8850.00	191.85 S	2685.13 E	2691.97	0.00
11490.00	90.000	94.087	8850.00	193.99 S	2715.05 E	2721.97	0.00
11520.00	90.000	94.087	8850.00	196.13 S	2744.97 E	2751.97	0.00
11550.00	90.000	94.087	8850.00	198.27 S	2774.90 E	2781.97	0.00
11580.00	90.000	94.087	8850.00	200.41 S	2804.82 E	2811.97	0.00
11610.00	90.000	94.087	8850.00	202.54 S	2834.75 E	2841.97	0.00
11640.00	90.000	94.087	8850.00	204.68 S	2864.67 E	2871.97	0.00
11670.00	90.000	94.087	8850.00	206.82 S	2894.59 E	2901.97	0.00
11700.00	90.000	94.087	8850.00	208.96 S	2924.52 E	2931.97	0.00
11730.00	90.000	94.087	8850.00	211.10 S	2954.44 E	2961.97	0.00
11760.00	90.000	94.087	8850.00	213.23 S	2984.36 E	2991.97	0.00
11790.00	90.000	94.087	8850.00	215.37 S	3014.29 E	3021.97	0.00
11820.00	90.000	94.087	8850.00	217.51 S	3044.21 E	3051.97	0.00
11850.00	90.000	94.087	8850.00	219.65 S	3074.14 E	3081.97	0.00
11880.00	90.000	94.087	8850.00	221.79 S	3104.06 E	3111.97	0.00
11910.00	90.000	94.087	8850.00	223.92 S	3133.98 E	3141.97	0.00
11940.00	90.000	94.087	8850.00	226.06 S	3163.91 E	3171.97	0.00
11970.00	90.000	94.087	8850.00	228.20 S	3193.83 E	3201.97	0.00
12000.00	90.000	94.087	8850.00	230.34 S	3223.75 E	3231.97	0.00
12030.00	90.000	94.087	8850.00	232.48 S	3253.68 E	3261.97	0.00
12060.00	90.000	94.087	8850.00	234.61 S	3283.60 E	3291.97	0.00
12090.00	90.000	94.087	8850.00	236.75 S	3313.52 E	3321.97	0.00
12120.00	90.000	94.087	8850.00	238.89 S	3343.45 E	3351.97	0.00
12150.00	90.000	94.087	8850.00	241.03 S	3373.37 E	3381.97	0.00
12180.00	90.000	94.087	8850.00	243.17 S	3403.30 E	3411.97	0.00
12210.00	90.000	94.087	8850.00	245.30 S	3433.22 E	3441.97	0.00
12240.00	90.000	94.087	8850.00	247.44 S	3463.14 E	3471.97	0.00
12270.00	90.000	94.087	8850.00	249.58 S	3493.07 E	3501.97	0.00
12300.00	90.000	94.087	8850.00	251.72 S	3522.99 E	3531.97	0.00
12330.00	90.000	94.087	8850.00	253.86 S	3552.91 E	3561.97	0.00
12360.00	90.000	94.087	8850.00	255.99 S	3582.84 E	3591.97	0.00
12390.00	90.000	94.087	8850.00	258.13 S	3612.76 E	3621.97	0.00
12420.00	90.000	94.087	8850.00	260.27 S	3642.69 E	3651.97	0.00
12450.00	90.000	94.087	8850.00	262.41 S	3672.61 E	3681.97	0.00
12480.00	90.000	94.087	8850.00	264.55 S	3702.53 E	3711.97	0.00
12510.00	90.000	94.087	8850.00	266.68 S	3732.46 E	3741.97	0.00
12540.00	90.000	94.087	8850.00	268.82 S	3762.38 E	3771.97	0.00
12570.00	90.000	94.087	8850.00	270.96 S	3792.30 E	3801.97	0.00
12600.00	90.000	94.087	8850.00	273.10 S	3822.23 E	3831.97	0.00
12630.00	90.000	94.087	8850.00	275.24 S	3852.15 E	3861.97	0.00
12660.00	90.000	94.087	8850.00	277.38 S	3882.08 E	3891.97	0.00
12690.00	90.000	94.087	8850.00	279.51 S	3912.00 E	3921.97	0.00
12720.00	90.000	94.087	8850.00	281.65 S	3941.92 E	3951.97	0.00
12750.00	90.000	94.087	8850.00	283.79 S	3971.85 E	3981.97	0.00

12780.00	90.000	94.087	8850.00	285.93 S	4001.77 E	4011.97	0.00
12810.00	90.000	94.087	8850.00	288.07 S	4031.69 E	4041.97	0.00
12840.00	90.000	94.087	8850.00	290.20 S	4061.62 E	4071.97	0.00
12870.00	90.000	94.087	8850.00	292.34 S	4091.54 E	4101.97	0.00
12900.00	90.000	94.087	8850.00	294.48 S	4121.47 E	4131.97	0.00
12930.00	90.000	94.087	8850.00	296.62 S	4151.39 E	4161.97	0.00
12960.00	90.000	94.087	8850.00	298.76 S	4181.31 E	4191.97	0.00
12990.00	90.000	94.087	8850.00	300.89 S	4211.24 E	4221.97	0.00
13020.00	90.000	94.087	8850.00	303.03 S	4241.16 E	4251.97	0.00
13050.00	90.000	94.087	8850.00	305.17 S	4271.08 E	4281.97	0.00
13080.00	90.000	94.087	8850.00	307.31 S	4301.01 E	4311.97	0.00
13110.00	90.000	94.087	8850.00	309.45 S	4330.93 E	4341.97	0.00
13140.00	90.000	94.087	8850.00	311.58 S	4360.85 E	4371.97	0.00
13170.00	90.000	94.087	8850.00	313.72 S	4390.78 E	4401.97	0.00
13200.00	90.000	94.087	8850.00	315.86 S	4420.70 E	4431.97	0.00
13230.00	90.000	94.087	8850.00	318.00 S	4450.63 E	4461.97	0.00
13260.00	90.000	94.087	8850.00	320.14 S	4480.55 E	4491.97	0.00
13290.00	90.000	94.087	8850.00	322.27 S	4510.47 E	4521.97	0.00
13320.00	90.000	94.087	8850.00	324.41 S	4540.40 E	4551.97	0.00
13350.00	90.000	94.087	8850.00	326.55 S	4570.32 E	4581.97	0.00
13380.00	90.000	94.087	8850.00	328.69 S	4600.24 E	4611.97	0.00
13398.40	90.000	94.087	8850.00	330.00 S	4618.60 E	4630.37	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 94.087° (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 13398.40ft.,
the Bottom Hole Displacement is 4630.37ft., in the Direction of 94.087° (Grid).

Casing, Cementing, BOP, and Mud Details

Cimarex Energy Co. of Colorado

Enterprise 11 State Com No. 2

Unit Letter L Section 11

T15S – R31E Chaves County, NM 30-005-28003

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 13398.' 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 nippled 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. 2

Unit Letter L 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' – 13398'
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.