New Mexico Oil Conservation Division, District I
1625 N. French Drive
Hobbs, NM 88240

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HOBBS OCD

Form 3160-3
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a Type of Work [X] DRILL [ ] REENTER	5. Lease Serial No. NM-105886
	6. If Indian, Allotee or Tribe Name
	7. If Unit or CA Agreement, Name and No. Pending
1b. Type of Well. [X] Oil Well [ ] Gas Well [ ] Other [X] Single Zone [ ] Multiple Zone	8 Lease Name and Well No. Enterprise 11 Federal Com No. 3 36906
2 Name of Operator Cimarex Energy Co. of Colorado 162683	9. API Well No. 30-005- 29057
3a. Address PO Box 140907 Irving, TX 75014 / 3b. Phone No (include area code) 972-401-3111	10 Field and Pool, or Exploratory Abo; Wildcat
4 Location of Well (Report location clearly and in accordance with any State requirements.*) At Surface 1980' FNL & 330' FWL; At proposed prod. Zone 1980' FNL & 330' FEL Proposed Horizontal Abo Test	11. Sec., T. R. M. or Blk. and Survey or Area 11-15S-31E
14 Distance in miles and direction from nearest town or post office*	12 County or Parish Chaves / 13. State NM

15 Distance from proposed* location to nearest property or lease line, ft (Also to nearest drig. unit line if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
330'	560	S2N2 160
18 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	**19. Proposed Depth**	**20 BLM/BIA Bond No. on File**
NA	9250' Pilot Hole MD 13386' TVD 8850'	NM-2575
21 Elevations (Show whether DF, KDB, RT, GL, etc.)	**22. Approximate date work will start***	**23. Estimated duration**
4404' GR	1/31/2008	35-45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form

1. Well plat certified by a registered surveyor
2. A Drilling Plan
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above)
5. Operator Certification
6. Such other site specific information and/or plans as may be required by the authorized officer

25 Signature	Name (Printed/Typed)	Date
Natalie Krueger	Natalie Krueger	12.28.07
Title: Regulatory Analyst		
Approved By (Signature) /S/ Angel Mayes	Name (Printed/Typed) /S/ Angel Mayes	Date 8.19.08
Title: Assistant Field Manager, Lands And Minerals	Office ROSWELL FIELD OFFICE	APPROVED FOR 2 YEARS

Application approval 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.
Conditions of approval, if any, are attached.

Title 18 U.S.S. 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.

* (Instructions on page 2)

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

ROSWELL CONTROLLED WATER BASIN

APPROVED FOR 2 YEARS

WITNESS SURFACE CASING

Application to Drill
Cimarex Energy Co. of Colorado
Enterprise 11 Federal Com No. 3
Unit E Section 11
T15S R31E Chaves County, NM

In response to questions asked under Section II B of Bulletin NTL-6, the following information is provided for your consideration:

1 Location: SHL 1980' FNL & 330' FWL
BHL 1980' FNL & 330' FEL *Proposed Horizontal Wolfcamp Test*

2 Elevation above sea level: 4404' GR

3 Geologic name of surface formation: Quaternery Alluvium Deposits

4 Drilling tools and associated equipment: Conventional rotary drilling rig using fluid as a circulating medium for solids removal.

5 Proposed drilling depth: 9250' Pilot Hole□MD 13386'□TVD 8850'

6 Estimated tops of geological markers:

Yates	2,450'
Queen	3,060'
SanAndres	3,940'
Abo Shale	7,515'
Lower Abo Dolomite	8,760'
Wolfcamp LS	8,950'

7 Possible mineral bearing formation:

Abo Oil

8 Proposed Mud Circulating System:

Depth	Mud Wt	Visc	Fluid Loss	Type Mud
0 to 340	8.4 - 8.6	30-32	May lose circ	Fresh water spud mud
340 to 3,950	10.0	28-29	May lose circ	Brine Water
3,950 to 9,250	8.6 - 9.5	28-29	NC	Fresh water and brine, use hi-vis sweeps to keep hole clean

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.

8a Drill pilot hole to 9250.' Set KO Plug @ 8850.' Kick off horizontal leg @ 8650' and drill 6-1/8" hole to 11386' MD & 8850' TVD. Run 4-1/2" 11.6# P-110 LTC Peak Systems liner, which will not require cementing.

Application to Drill
Cimarex Energy Co. of Colorado
Enterprise 11 Federal Com No. 3
Unit E Section 11
T15S R31E Chaves County, NM

9 Casing & Cementing Program:

Hole Size	Depth			Casing OD		Weight	Thread	Collar	Grade
17-1/2"	0	to	340'	New	13-3/8"	48#	8-R	STC	H-40
12-1/4"	0	to	3,950'	New	9-5/8"	40#	8-R	LTC	J/K-55
8-3/4"	0	to	9,250'	New	7"	26#	8-R	LTC	P-110
6-1/8"	0	to	13,386'	New	4-1/2"	11.6#	8-R	LTC	P-110

10 Cementing & Setting Depth:

13-3/8" Surface
WITNESS

Set 340 of 13-3/8" 48# H-40 STC
Lead: 171 sx Light Premium Plus + 0.125 lb/sk Poly-E-Flake + 1% CaCl (wt 14.2, yld 1.64)
Tail: 220 sk Premium Plus + 2% CaCl (wt 14.8, yld 1.35)
TOC Surface

9-5/8" Intermediate

Set 3,950 of 9-5/8" 40# J/K-55 LTC
Lead: 344 sks Interfill C + 0.125 lb/sk Poly-E-Flake (wt 11.9, yld 2.45)
Tail: 200 sks Premium Plus + 1% CaCl (wt 14.8, yld 1.33)
TOC Surface

7" Production

Set 9,250 of 7" 26# P-110 LTC
1437 sx Super H + 0.5% Halad-344 + 0.4% CFR-3 + 1lbm/sk Salt + 5 lb/sk Gilsonite + 0.125 lb/sk Poly-E-Flake + 0.35% HR-7 (wt 13.0, yld 1.67)
TOC 1,300

4-1/2" Liner

Peak Systems Iso-Pack Liner, will not require cementing.

Fresh water will be protected by setting 13-3/8" casing at 340' and cementing to Surface
Hydrocarbon zones will be protected by setting 9-5/8" casing at 3,950' and cementing to Surface
and by setting 7" casing at 9,250' and cementing to 1300'

Cimarex uses the following minimum safety factors:

Burst	Collapse	Tension
1.125	1.0	1.80

Application to Drill
Cimarex Energy Co. of Colorado
Enterprise 11 Federal Com No. 3
Unit E Section 11
T15S R31E Chaves County, NM

11 Pressure control Equipment:

Exhibit "E-1" - Surface Casing - A 13 5/8" 3000 PSI working pressure B.O.P. consisting of a 3000# annular type preventer. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system. 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. Annular preventor to be function-tested once per day. Annular preventor will be tested to 250 psi low and 2000 psi high.

Exhibit "E-2" - Intermediate & Production Casing - An 11" 5000 PSI working pressure B.O.P. consisting of one set of blind rams and one set of pipe rams and a 5000# hydril. 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. Below intermediate casing shoe, BOP 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. From the base of the surface pipe through the running of production casing, the well will be equipped with a 5000 psi BOP system.

The BOPs will be tested by an independent service company. Ram type BOPs to 250 psi low and 5000 psi high. Annular BOP 250 psi low and 3000 psi high.

12 Testing, Logging and Coring Program:

A. Mud logging program: 2 man unit from 3950' to TD
B. Electric logging program: CNL / LDT / CAL / GR, DLL / CAL / GR
C. No DSTs or cores are planned at this time.

13 Potential Hazards:

No abnormal pressures or temperatures are expected. The area has a potiential H2S hazard. An H2S drilling plan is attached. Adequate flare lines will be installed off the mud / gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used.

Estimated BHP **4000 psi** Estimated BHT **175**

14 Road and location construction will begin after BLM approval of APD. Anticipated spud date as soon as approved.

Drilling expected to take 35-45 days
If production casing is run an additional 30 days will be required to complete and construct surface facilities.

15 Other Facets of Operations:

After running casing, cased hole gamma ray neutron collar logs will be run from total depth over possible pay intervals.

Abo pay will be perforated and stimulated.
The proposed well will be tested and potentialed as **an oil well.**

Hydrogen Sulfide Drilling Operations Plan
Cimarex Energy Co. of Colorado
Enterprise 11 Federal Com No. 3
Unit E Section 11
T15S R31E Chaves County, NM

1 All Company and Contract personnel admitted on location must be trained by a qualified H2S safety instructor to the following:

A. Characteristics of H2S
B. Physical effects and hazards
C. Proper use of safety equipment and life support systems.
D. Principle and operation of H2S detectors, warning system and briefing areas.
E. Evacuation procedure, routes and first aid.
F. Proper use of 30 minute pressure demand air pack.

2 H2S Detection and Alarm Systems

A. H2S detectors and audio alarm system to be located at bell nipple, end of flow line (mud pit) and on derrick floor or doghouse.

3 Windsock and/or wind streamers

A. Windsock at mudpit area should be high enough to be visible.
B. Windsock at briefing area should be high enough to be visible.

4 Condition Flags and Signs

A. Warning sign on access road to location.
B. Flags to be displayed on sign at entrance to location. Green flag indicates normal safe condition. Yellow flag indicates potential pressure and danger. Red flag indicates danger (H2S present in dangerous concentration). Only emergency personnel admitted to location.

5 Well control equipment

A. See exhibit "E"

6 Communication

A. While working under masks chalkboards will be used for communication.
B. Hand signals will be used where chalk board is inappropriate.
C. Two way radio will be used to communicate off location in case of emergency help is required. In most cases cellular telephones will be available at most drilling foreman's trailer or living quarters.

7 Drillstem Testing
No DSTs or cores are planned at this time.

8 Drilling contractor supervisor will be required to be familiar with the effects H2S has on tubular goods and other mechanical equipment.

9 If H2S is encountered, mud system will be altered if necessary to maintain control of formation. A mud gas seperator will be brought into service along with H2S scavengers if necessary.

Surface Use Plan
Cimarex Energy Co. of Colorado
Enterprise 11 Federal Com No. 3
Unit E Section 11
T15S R31E Chaves County, NM

1 Existing Roads: Area maps, Exhibit "B" is a reproduction of Eddy Co. General Highway Map. Exhibit "C" is a reproduction of a USGS Topographic Map, showing existing roads and proposed roads. All existing roads will be maintained in a condition equal to or better than current conditions. Any new roads will be constructed to BLM specifications.

A. Exhibit "A" shows the proposed well site as staked.

B. From the intersection of St Hwy #249 and St Hwy # 172, go North on St Hwy #172 approx 1 mile. Turn right on County Road #152 for approx 250.' Take proposed access road North to well pad.

2 PLANNED ACCESS ROADS: 1750' of new access road is proposed. The road is on-lease on state surface and will require neither a State nor a Federal ROW.

3 LOCATION OF EXISTING WELLS IN A ONE-MILE RADIUS EXHIBIT "A"

A. Water wells - None known

B. Disposal wells - None known

C. Drilling wells - None known

D. Producing wells - As shown on Exhibit "A"

E. Abandoned wells - As shown on Exhibit "A"

4 If on completion this well is a producer, Cimarex Energy Co. of Colorado will furnish maps and/or plats showing on site facilities or off site facilities if needed. This will be accompanied by a Sundry Notice.

5 Location and Type of Water Supply
Water will be purchased locally from a commercial source and trucked over the access roads or piped in flexible lines laid on top of the ground.

6 Source of Construction Material
If possible, construction will be obtained from the excavation of drill site. If additional material is needed, it will be purchased from a local source and transported over the access route as shown on Exhibit "C".

7 Methods of Handling Waste Material
- A. Drill cuttings will be disposed of in the reserve pit and hauled to a State-approved disposal facility.
- B. All trash, junk and other waste material will be contained in trash cages or bins to prevent scattering. When the job is completed all contents will be removed and disposed of in an approved sanitary land fill.
- C. Salts remaining after completion of well will be picked up by supplier including broken sacks.
- D. Sewage from living quarters will drain into holding tanks and be cleaned out periodically. A Porta-John will be provided for the rig crews. This equipment will be properly maintained during the drilling operations and removed upon completion of the well.
- E. Remaining drilling fluids will be hauled off by transports and be disposed of at a State approved disposal facility. Water produced during drilling will be put in reserve pit. Any oil or condensate produced will be stored in test tanks until sold and hauled from the site.

8 Ancillary Facilities
- A. No camps or airstrips to be constructed.

9 Well Site Layout

A. Exhibit "D" shows location and rig layout.
B. This exhibit indicates proposed location of reserve and trash pits and living facilities.
C. Mud pits in the active circulating system will be steel pits and the reserve pit is proposed to be lined with PVC or polyethylene liner. The pit liner will be 12 mils thick. Pit liner will extend a minimum, 2'00" over the reserve pits dikes where the liner will be anchored down.
D. The reserve pit will be fenced on three sides with four strands of barbed wire during drilling and completion phases. The fourth side will be fenced after all drilling operations have ceased. If the well is a producer, the reserve pit fence will be torn down. The reserve pit and those areas of the location not essential to production facilities will be reclaimed and seeded per BLM requirements.

10 Plans for Restoration of Surface

Rehabilitation of the location and reserve pit will start in a timely manner after all drilling operations cease. The type of reclamation will depend on whether the well is a producer or a dry hole.

However, in either event, fluid and cuttings will be removed and disposed of in accordance with Article 7.B as previously noted. The pit area will then be leveled and contoured to conform to the original and surrounding area. Drainage systems, if any, will be reshaped to the original configuration with provisions made to alleviate erosion. These may need to be modified in certain circumstances to prevent inundation of the location's pad and surface facilities. After the area has been shaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible. Revegetation procedures will comply with BLM standards.

If the well is a dry hole, the pad and road area will be recountoured to match the existing terrain. Topsoil will be spread to the extent possible. Revegetation will comply with BLM standards.

Should the well be a producer, the previously noted procedures will apply to those areas which are not required for production facilities.

11 OTHER INFORMATION:

A. Topography consists of a sloping plane with loose tan sands. Vegetation is mainly yucca, mesquite and shin oak.
B. The wellsite is on surface owned by the State of New Mexico. The land is used mainly for farming, cattle ranching, recreational use, and oil and gas production.
C. An Archaeological survey will be conducted on the location and proposed roads, and this report will be filed with the Bureau of Land Management in the Roswell BLM office.
D. There are no know dwellings within 1 1/2 miles of this location.

Operator Certification Statement
Cimarex Energy Co. of Colorado
Enterprise 11 Federal Com No. 3
Unit E Section 11
T15S R31E Chaves County, NM

Operator's Representative

Cimarex Energy Co. of Colorado
P.O. Box 140907
Irving, TX 75014
Office Phone: (972) 443-6489
Zeno Farris

CERTIFICATION: I hereby certify that the statements and plans made in this APD are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Cimarex Energy Co. of Colorado and/or its contractors/subcontractors and is in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provision of U.S.C. 1001 for the filing of a false statement.

NAME: Natalie Krueger
Natalie Krueger

DATE: December 28, 2007

TITLE: Regulatory Analyst

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

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	Pool Code	Pool Name
		Abo; Wildcat

Property Code	Property Name	Well Number
	ENTERPRISE 11 FED COM	3

OGRID No.	Operator Name	Elevation
162683	CIMAREX ENERGY COMPANY OF COLORADO	4404'

Surface Location

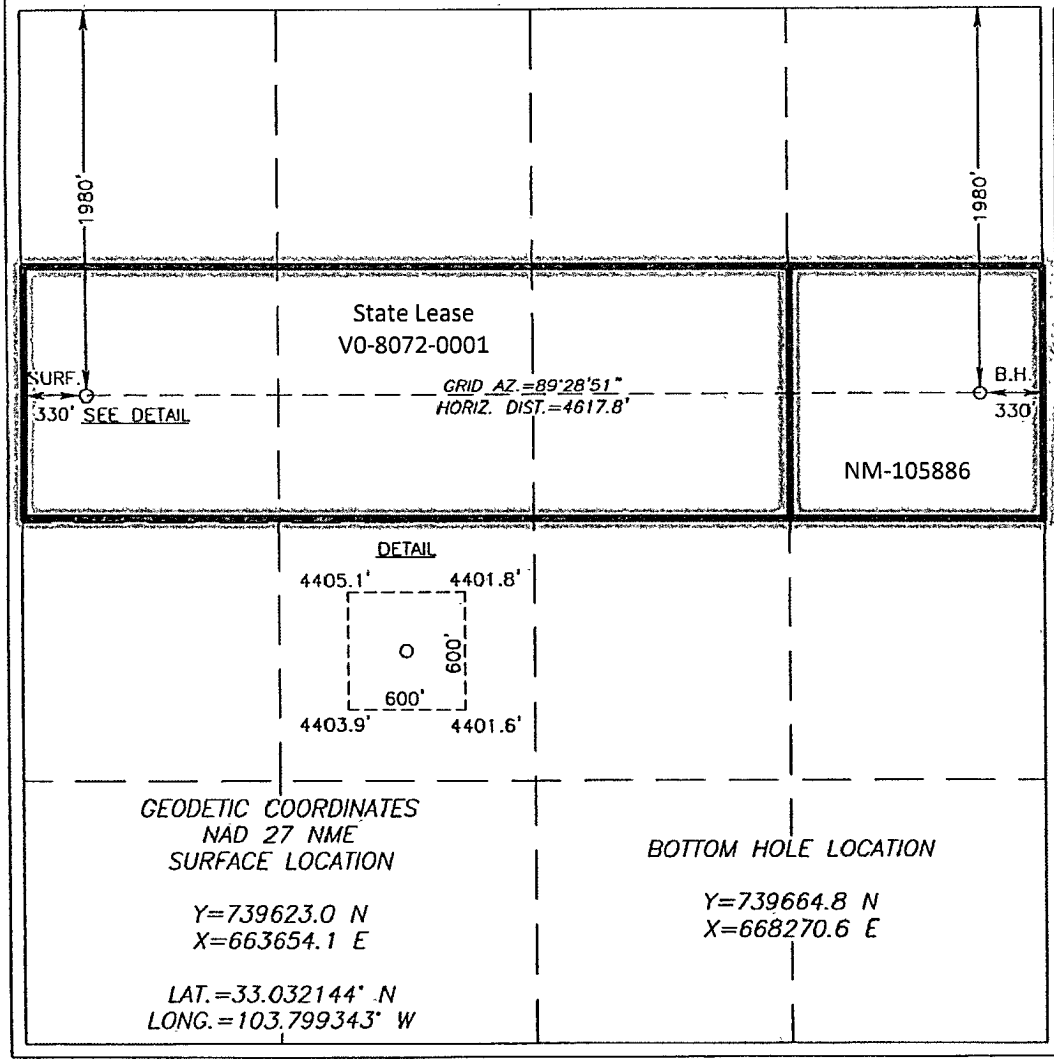
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	11	15-S	31-E		1980	NORTH	330	WEST	CHAVES

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
H	11	15-S	31-E		1980	NORTH	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=739623.0 N
X=663654.1 E

LAT.=33.032144° N
LONG.=103.799343° W

BOTTOM HOLE LOCATION

Y=739664.8 N
X=668270.6 E

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.

Natalie Krueger 12-28-07
Signature Date

Natalie Krueger
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.

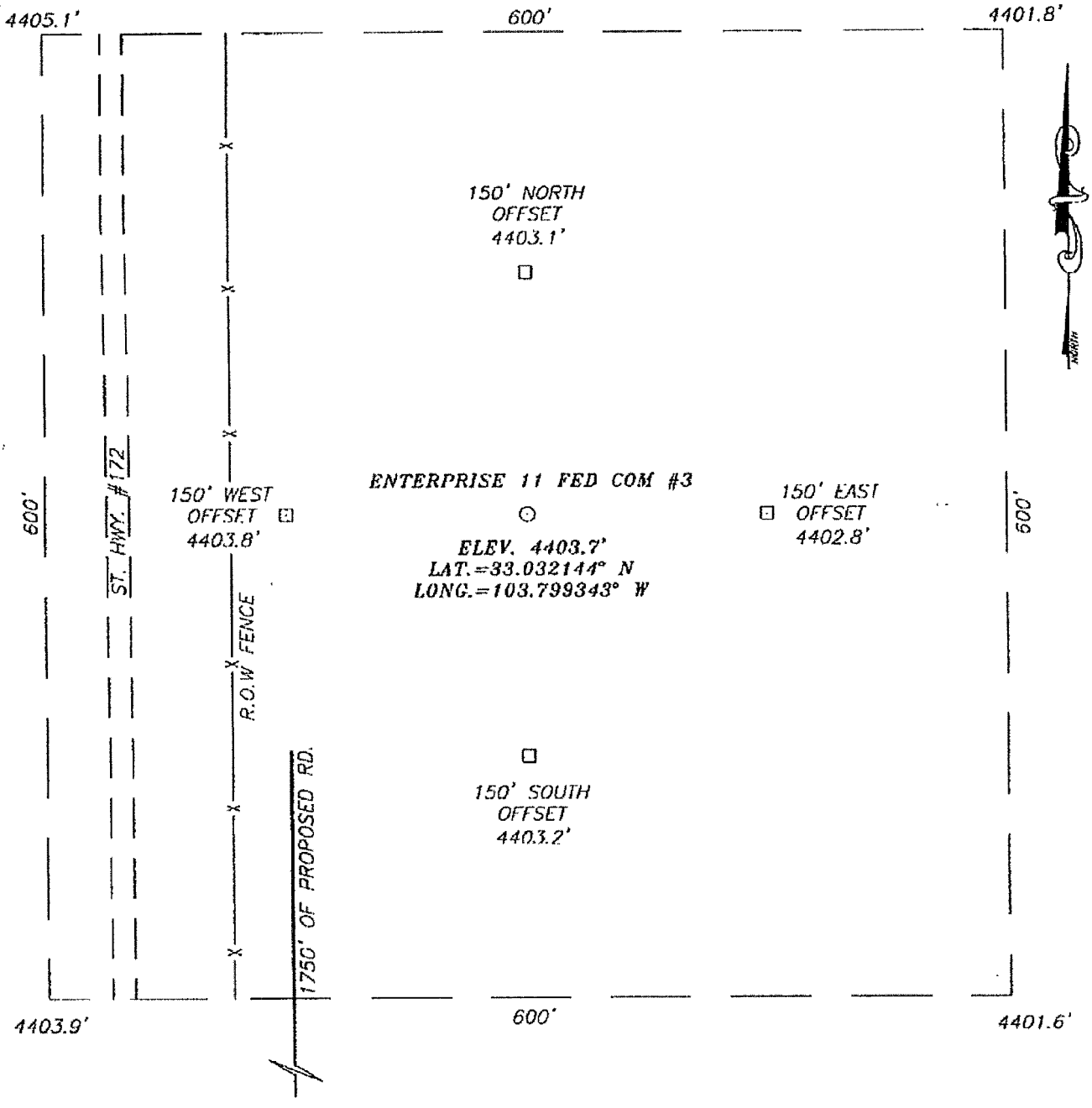
NOVEMBER 14, 2007
Date Surveyed

Signature & Seal of Professional Surveyor
3239
12/5/07

Certificate No. GARY EIDSON 12641
RONALD J. EIDSON 3239

SECTION 11, TOWNSHIP 15 SOUTH, RANGE 31 EAST, N.M.P.M.,

CHAVES COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

From the intersection of St Hwy #249 and St Hwy # 172, go North on St Hwy #172 approx 1 mile. Turn right on County Road #152 for approx 250.' Take proposed access road North to well pad.

100 0 100 200 Feet

Scale: 1"=100'

PROVIDING SURVEYING SERVICES SINCE 1946

JOHN WEST SURVEYING COMPANY

412 N. DAL PASO

HOBBS, N.M. 88240

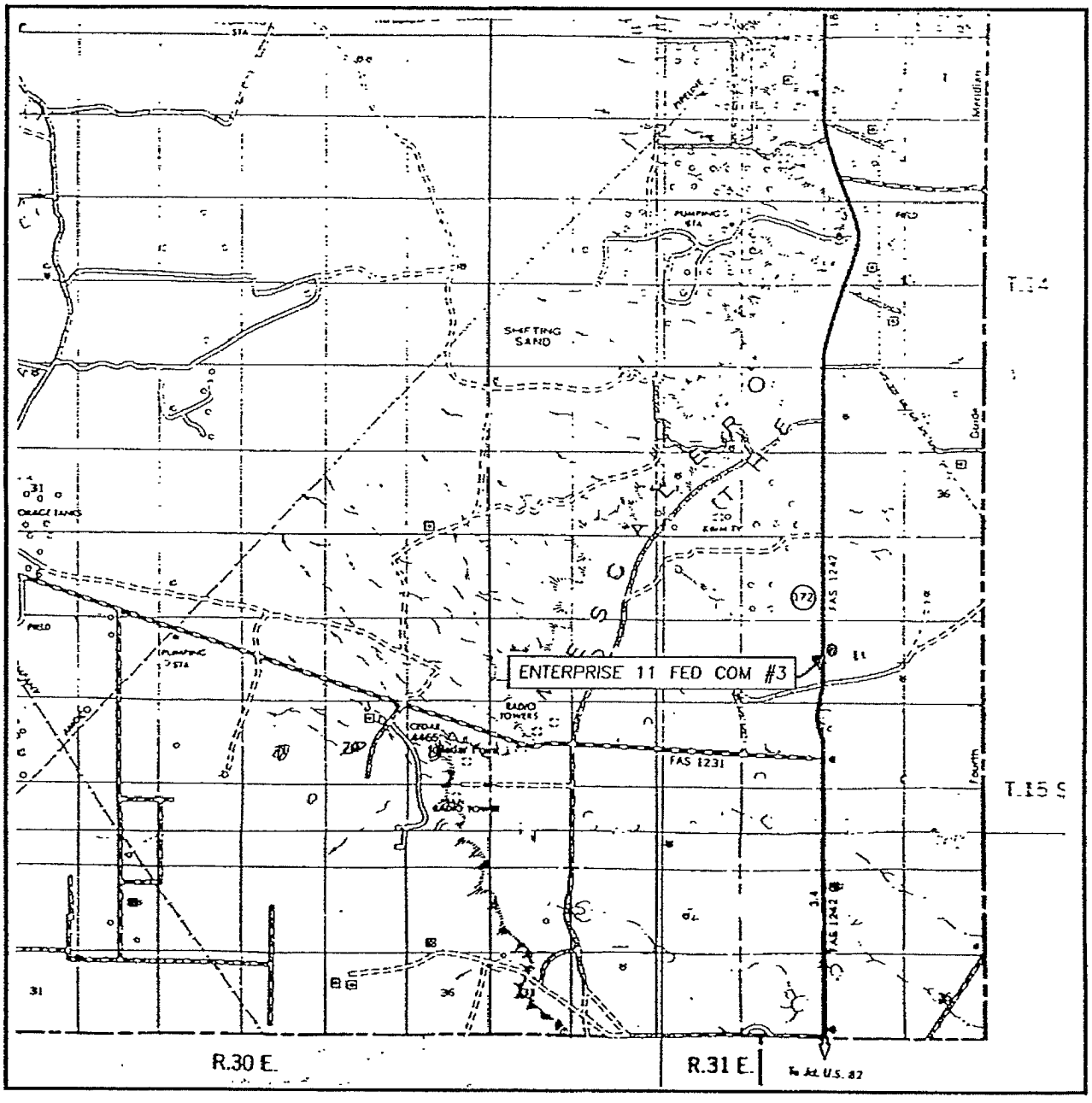
(505) 393-3117

CIMAREX ENERGY COMPANY OF COLORADO

ENTERPRISE 11 FED COM #3 WELL
LOCATED 1980 FEET FROM THE NORTH LINE
AND 330 FEET FROM THE WEST LINE OF SECTION 11,
TOWNSHIP 15 SOUTH, RANGE 31 EAST, N.M.P.M.,
CHAVES COUNTY, NEW MEXICO.

Survey Date: 11/14/07	Sheet 1 of 1 Sheets		
W.O. Number: 07.11.1595	Dr By: AR		Rev 1:N/A
Date: 11/30/07	Disk:	07111595	Scale: 1"=100'

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 11 TWP. 15-S RGE. 31-E

SURVEY N.M.P.M.

COUNTY CHAVES STATE NEW MEXICO

DESCRIPTION 1980' FNL & 330' FWL

ELEVATION 4404'

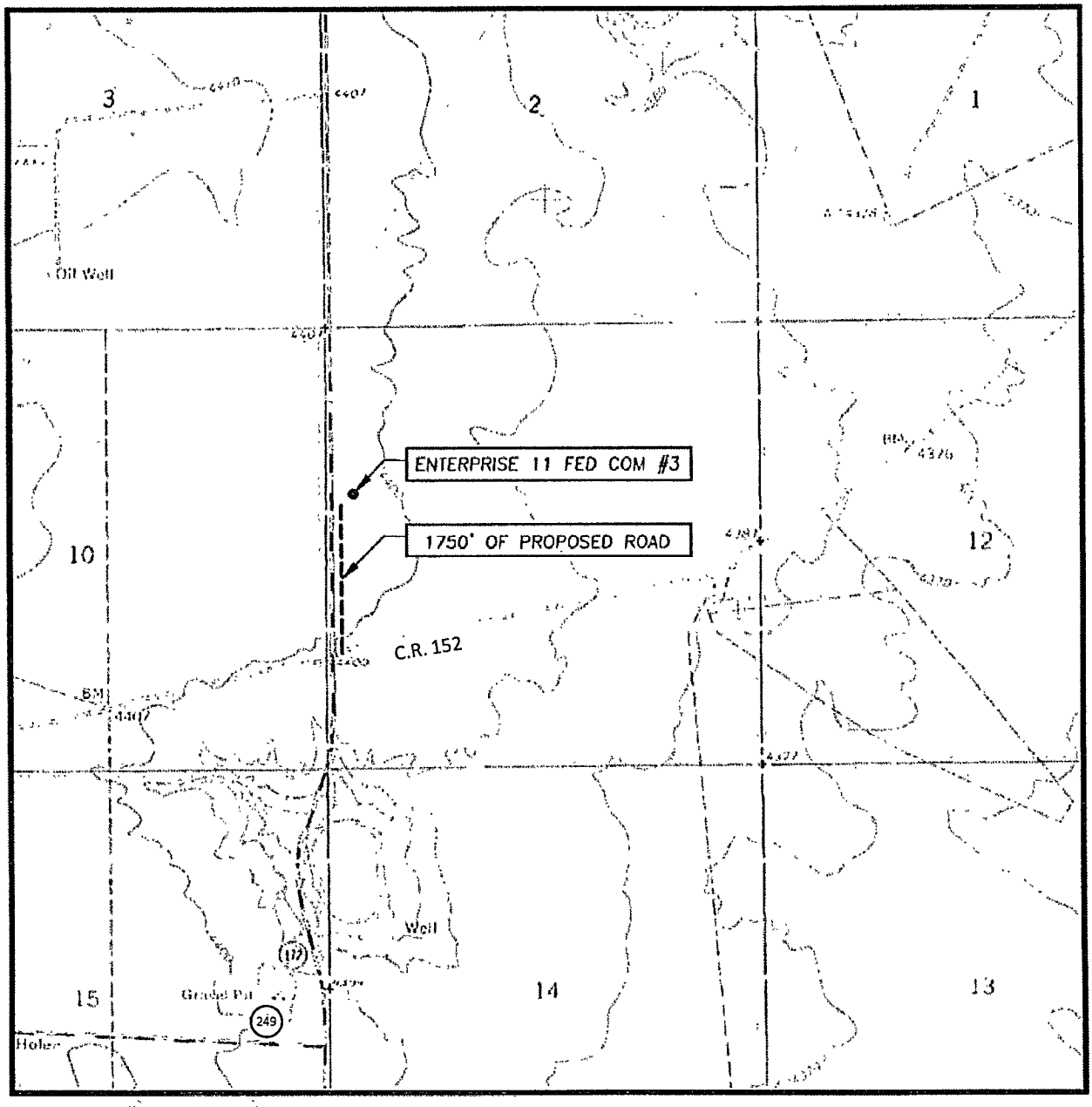
OPERATOR CIMAREX ENERGY COMPANY OF COLORADO

LEASE ENTERPRISE 11 FED COM

PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

Exhibit B

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
CEDAR POINT SE, N.M. – 10'

SEC. 11 TWP. 15-S RGE. 31-E

SURVEY N.M.P.M.

COUNTY CHAVES STATE NEW MEXICO

DESCRIPTION 1980' FNL & 330' FWL

ELEVATION 4404'

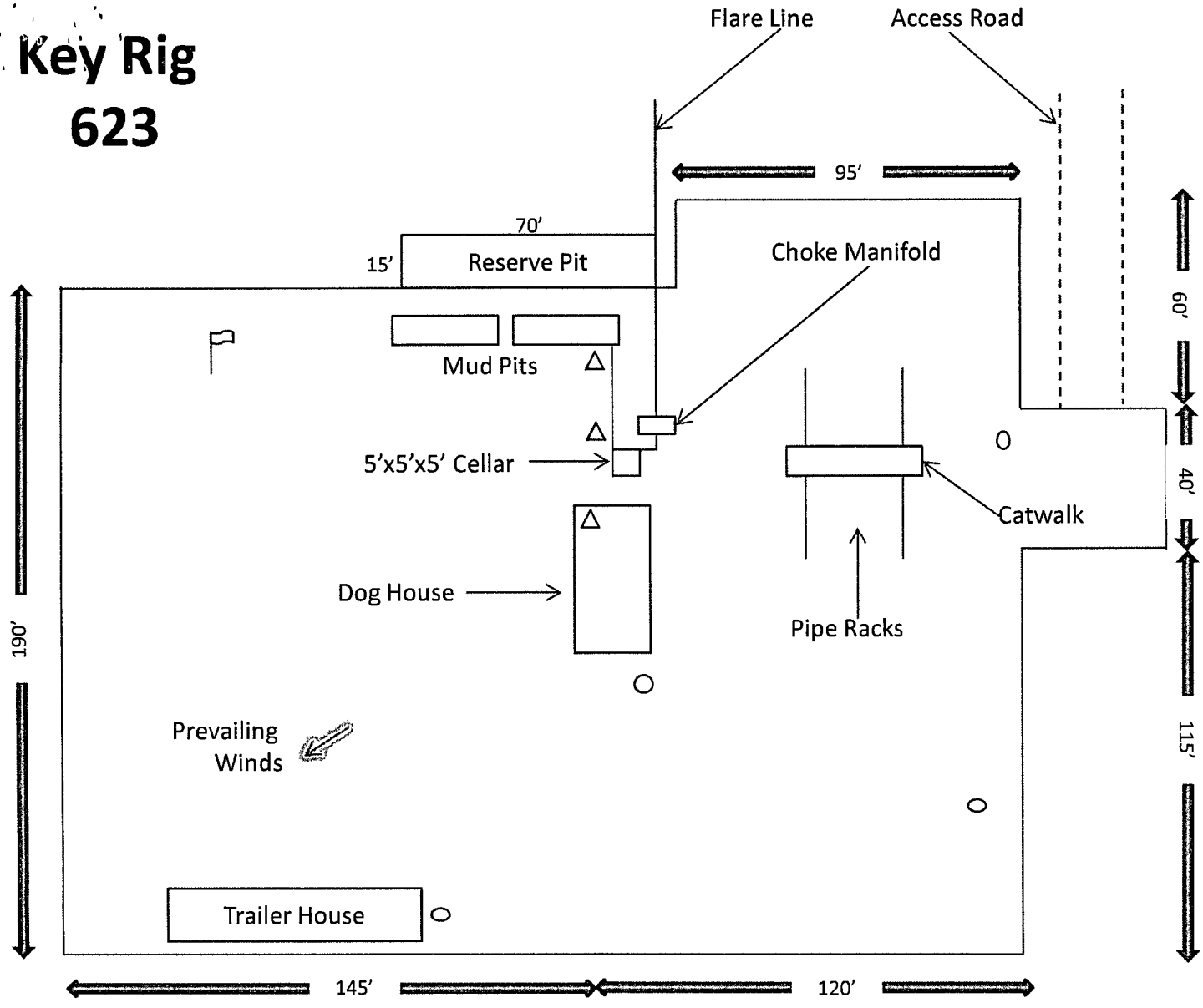
OPERATOR CIMAREX ENERGY COMPANY OF COLORADO

LEASE ENTERPRISE 11 FED COM

U.S.G.S. TOPOGRAPHIC MAP
CEDAR POINT SE, N.M.

PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

Key Rig 623



Wind Direction Indicators
(wind sock or streamers)

△ H2S Monitors
(alarms at bell nipple and shale shaker)

○ Briefing Areas

○ Remote BOP Closing Unit

Exhibit D – Rig Diagram
Enterprise 11 Federal Com No. 3
Cimarex Energy Co. of Colorado
SHL 1980' FNL & 330' FWL
BHL 1980' FNL & 330' FEL
11-15S-31E
Chaves County, NM

SR & A

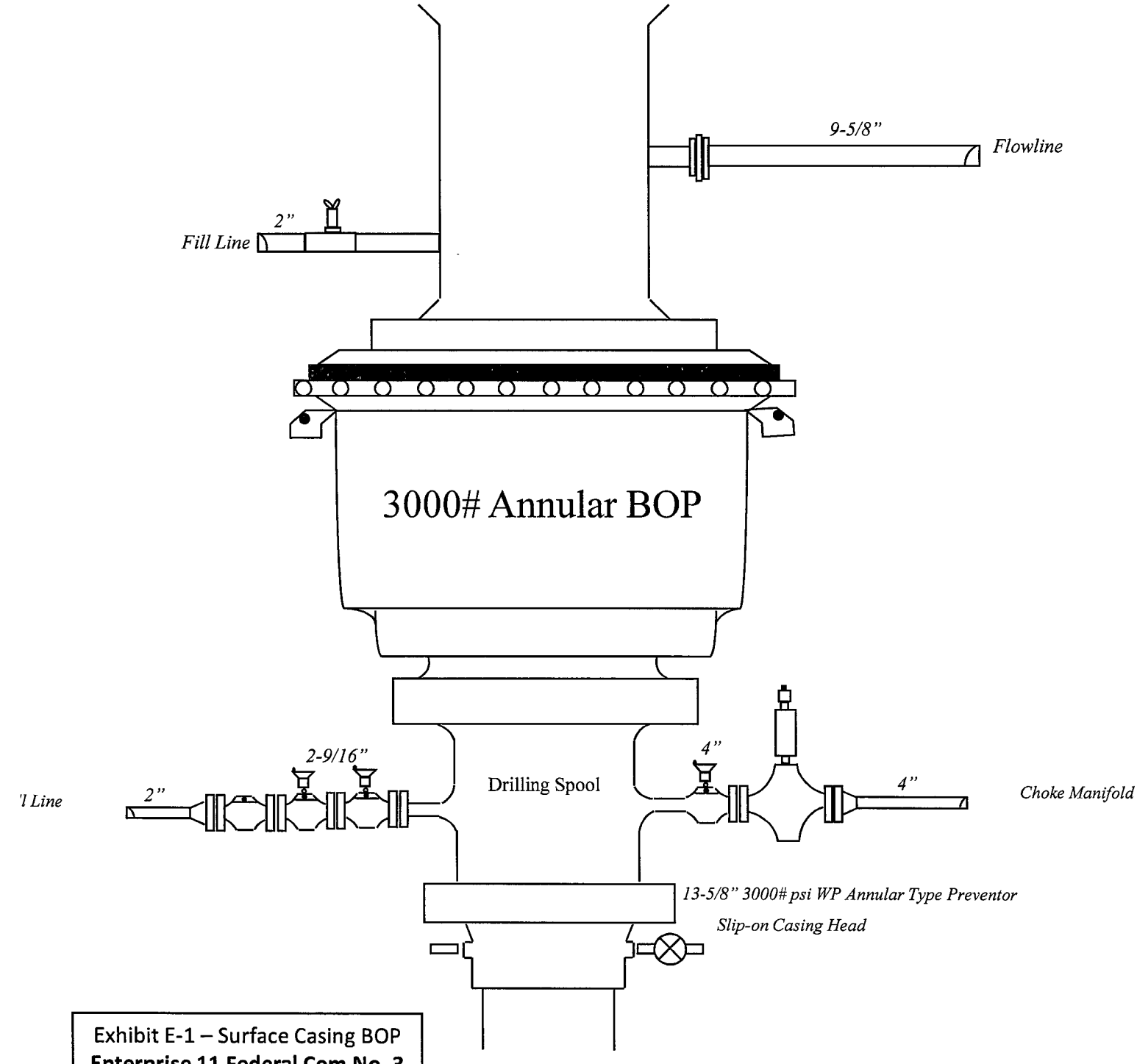


Exhibit E-1 – Surface Casing BOP
Enterprise 11 Federal Com No. 3
Cimarex Energy Co. of Colorado
SHL 1980' FNL & 330' FWL
BHL 1980' FNL & 330' FEL
11-15S-31E
Chaves County, NM

SR & A

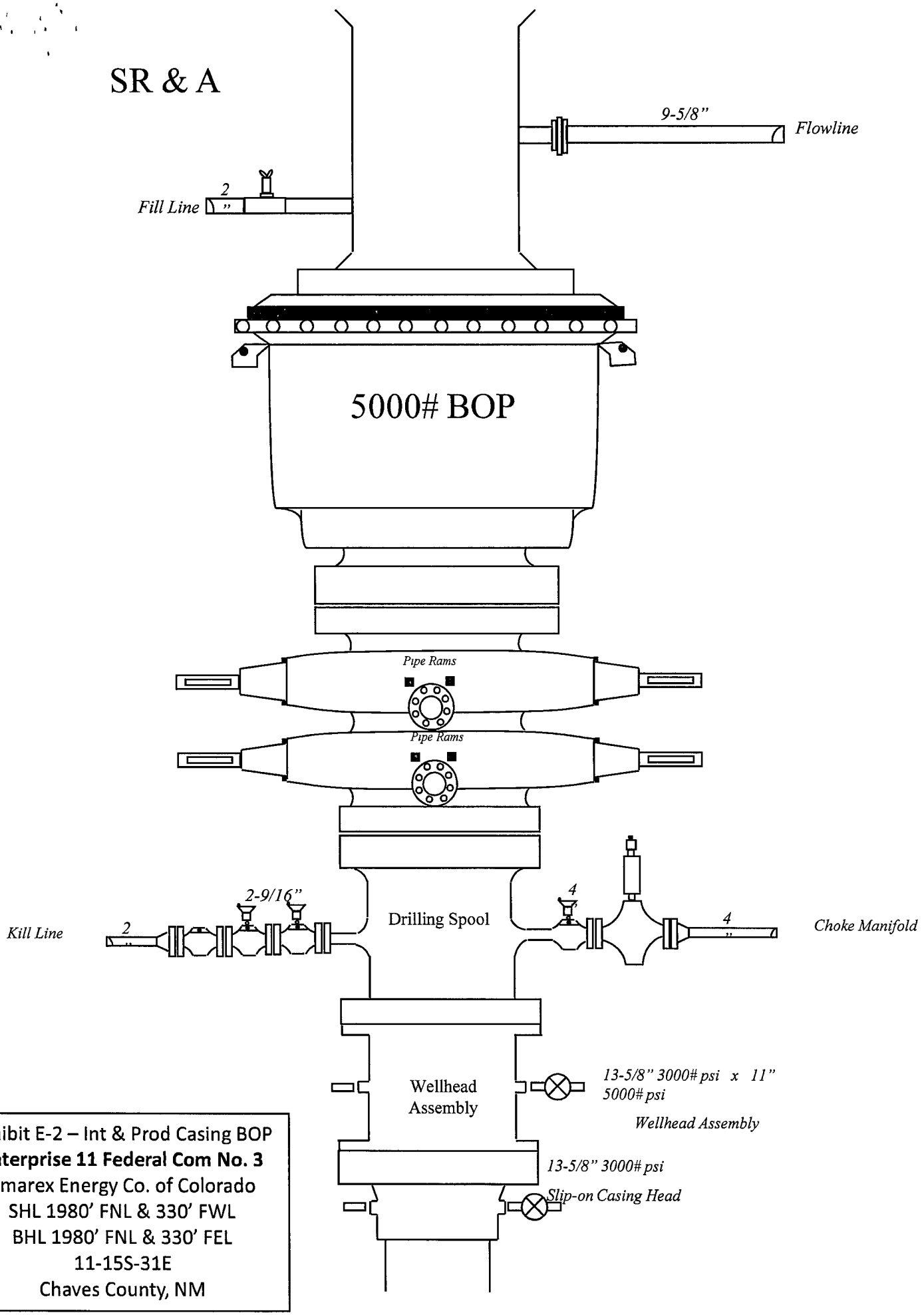


Exhibit E-2 – Int & Prod Casing BOP
Enterprise 11 Federal Com No. 3
Cimarex Energy Co. of Colorado
SHL 1980' FNL & 330' FWL
BHL 1980' FNL & 330' FEL
11-15S-31E
Chaves County, NM

DRILLING OPERATIONS
CHOKE MANIFOLD
5M SERVICE

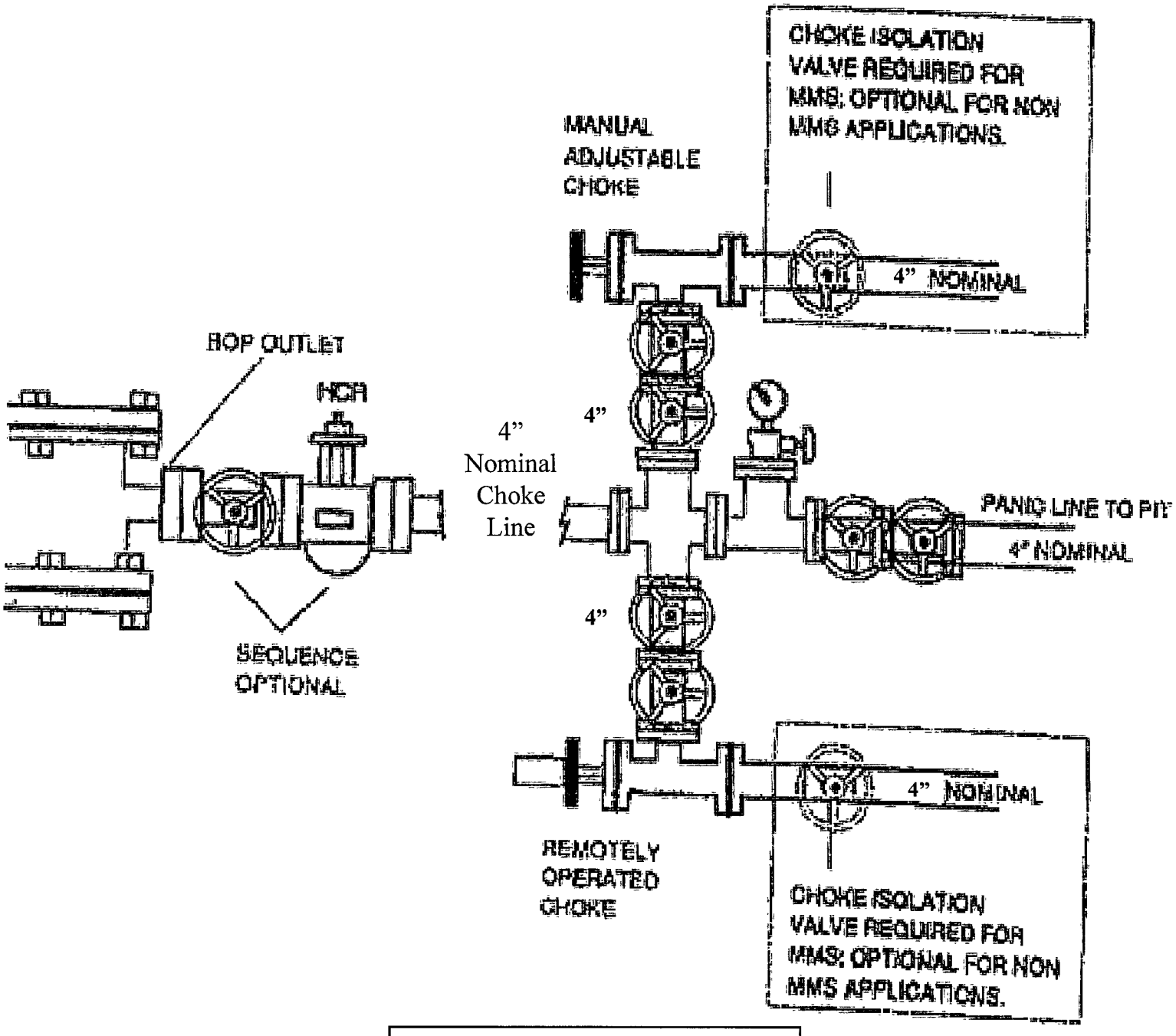


Exhibit E-1 – Choke Manifold Diagram
Enterprise 11 Federal Com No. 3
Cimarex Energy Co. of Colorado
SHL 1980' FNL & 330' FWL
BHL 1980' FNL & 330' FEL
11-15S-31E
Chaves County, NM

CIMAREX

Project: Chaves Co , New Mexico
Site Enterpnse 11 Fed Com #3H
Well. Enterpnse 11 Fed Com #3H
Wellbore Lateral #1
Plan. Plan #1 (Enterpnse 11 Fed Com #3H/Lateral #1)

BLACK VIPER ENERGY SERVICES, LTD.

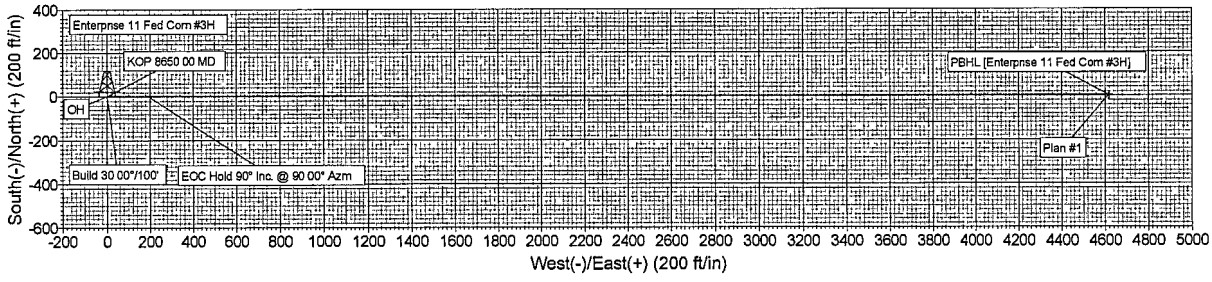
PROJECT DETAILS Chaves Co , New Mexico

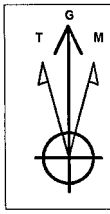
Geodetic System US State Plane 1927 (Exact solution)
Datum NAD 1927 (NADCON CONUS)
Ellipsoid Clarke 1866
Zone New Mexico East 3001

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 00° Azm

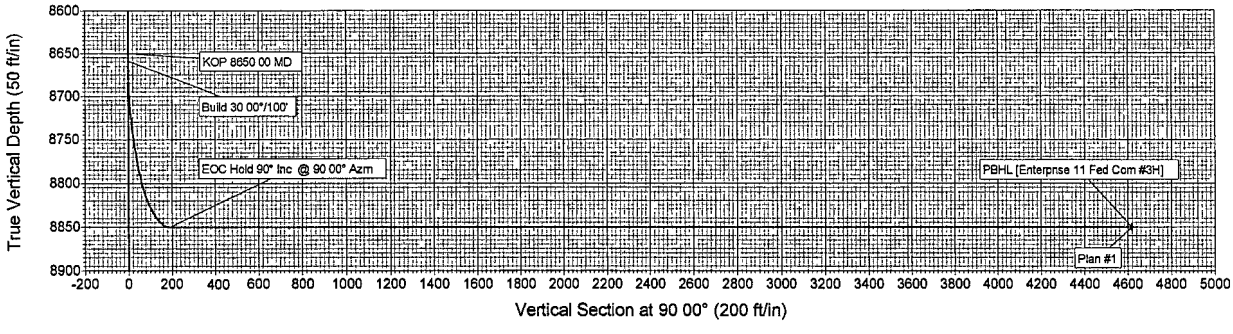




Azimuths to Grid North
True North. -0.29°
Magnetic North. 8 44°
Magnetic Field
Strength 49879 0nT
Dip Angle 61.15°
Date. 12/31/2004
Model IGRF2000

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	90 00	8850 00	0.00	190 99	30 00	90 00	0 00	
4	13385.83	90.00	90 00	8850 00	0 00	4617 80	0 00	0 00	0 00	PBHL [Enterpnse 11 Fed Com #3H]



Plan Plan #1 (Enterprise 11 Fed Com #3H/Lateral #1)
Created By Heather Vannoy Date December 12, 2007

Cimarex Energy Co., Inc.

Chaves Co., New Mexico
Enterprise 11 Fed Com #3H
Enterprise 11 Fed Com #3H
Lateral #1

Plan: Plan #1

Standard Survey Report

12 December, 2007

Black Viper Energy

Survey Report

Company:	Cimarex Energy Co., Inc	**Local Co-ordinate Reference:**	Well Enterprise 11 Fed Com #3H
Project:	Chaves Co., New Mexico	**TVD Reference:**	WELL @ 4404.00ft (Original Well Elev)
Site:	Enterprise 11 Fed Com #3H	**MD Reference:**	WELL @ 4404.00ft (Original Well Elev)
Well:	Enterprise 11 Fed Com #3H	**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 Fed Com #3H

Site Position:		**Northing:**	739,623.00 ft	**Latitude:**	33° 1' 55.704 N
From:	Map	**Easting:**	663,654.10 ft	**Longitude:**	103° 47' 57.650 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	"	**Grid Convergence:**	0.29 °

Well Enterprise 11 Fed Com #3H

Well Position	**+N/-S**	0 00 ft	**Northing:**	739,623.00 ft	**Latitude:**	33° 1' 55 704 N
	+E/-W	0.00 ft	**Easting:**	663,654.10 ft	**Longitude:**	103° 47' 57.650 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	61.15	49,879

Design Plan #1

Audit Notes:

Version:		**Phase:**	PLAN	**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	90.00

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

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
8,650.00	13,385.83	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	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	**Local Co-ordinate Reference:**	Well Enterprise 11 Fed Com #3H
Project:	Chaves Co , New Mexico	**TVD Reference:**	WELL @ 4404.00ft (Original Well Elev)
Site:	Enterprise 11 Fed Com #3H	**MD Reference:**	WELL @ 4404.00ft (Original Well Elev)
Well:	Enterprise 11 Fed Com #3H	**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	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. @ 90.00° 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 Fed Com #3H
Project:	Chaves Co., New Mexico	**TVD Reference:**	WELL @ 4404.00ft (Original Well Elev)
Site:	Enterprise 11 Fed Com #3H	**MD Reference:**	WELL @ 4404.00ft (Original Well Elev)
Well:	Enterprise 11 Fed Com #3H	**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.	**Local Co-ordinate Reference:**	Well Enterprise 11 Fed Com #3H
Project:	Chaves Co., New Mexico	**TVD Reference:**	WELL @ 4404.00ft (Original Well Elev)
Site:	Enterprise 11 Fed Com #3H	**MD Reference:**	WELL @ 4404.00ft (Original Well Elev)
Well:	Enterprise 11 Fed Com #3H	**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	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
13,385.83	90 00	90 00	8,850 00	0.00	4,617 80	4,617.80	0.00	0.00	0.00

Black Viper Energy

Survey Report

Company:	Cimarex Energy Co , Inc.	**Local Co-ordinate Reference:**	Well Enterprise 11 Fed Com #3H
Project:	Chaves Co., New Mexico	**TVD Reference:**	WELL @ 4404.00ft (Original Well Elev)
Site:	Enterprise 11 Fed Com #3H	**MD Reference:**	WELL @ 4404.00ft (Original Well Elev)
Well:	Enterprise 11 Fed Com #3H	**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 Fe - plan hits target - Point	0.00	0.00	8,850.00	0.00	4,617.80	739,623.00	668,271.90	33° 1' 55.468 N	103° 47' 3.409 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	0.00	190.99	EOC Hold 90° Inc. @ 90.00° Azm

Checked By: _____ Approved By: _____ Date: _____

Cimarex Energy Co., Inc.
Enterprise 11 Fed Com #3H - Plan #1

Chaves Co., New Mexico
Enterprise 11 Fed Com #3H

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
13385.83	90.000	90.000	8850.00	0.00 N	4617.80 E	4617.80	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 13385.83ft., the Bottom Hole Displacement is 4617.80ft., in the Direction of 90.000° (Grid).

PECOS DISTRICT - RFO
CONDITIONS OF APPROVAL

8/19/08

OPERATORS NAME: **Cimarex Energy Co. of Colorado**
LEASE NO.: **NM-105886**
WELL NAME & NO: **Enterprise Federal Com. #3H**
SURFACE HOLE FOOTAGE: **1980' FNL & 330' FWL**
BOTTOM HOLE LOCATION: **1980' FNL & 330' FEL**
LOCATION: **Section 11, T. 15 S., R. 31 E., NMPM**
COUNTY: **Chaves County, New Mexico**

GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

I. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD (Filing of a Sundry Notice is required for this 60 day extension).

II. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

III. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations (access road and/or well pad). Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

IV. CONSTRUCTION

A. NOTIFICATION:

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Roswell Field Office at (505) 627-0247 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved Application for Permit to Drill and Conditions of Approval on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL:

The operator shall stockpile the topsoil of the well pad. The topsoil to be stripped is approximately 6 inches in depth. The topsoil shall be stockpiled in the southeast corner of the well pad and will be used for interim and final reclamation.

C. CLOSED LOOP SYSTEM: No reserve pit shall be used.

The operator shall use a **Closed Loop System** instead of a reserve pit. The drill hole cuttings shall be properly disposed of at an authorized disposal site.

D. WELL PAD SURFACING:

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation.

The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational need.

E. ON LEASE ACCESS ROADS:

Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed thirty (30) feet.

Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning

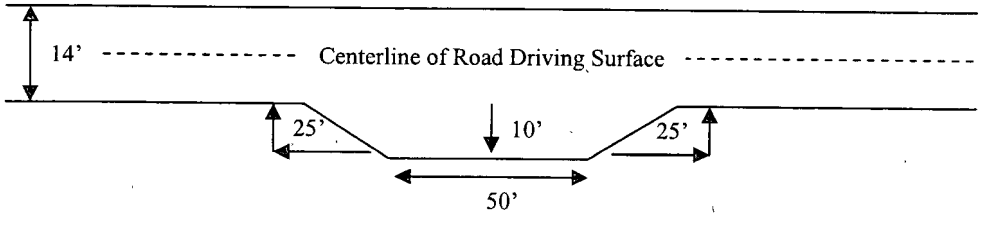
Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

Turnouts

Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet.

Turnouts shall be constructed on all blind curves. Turnouts shall conform to the following diagram:

Standard Turnout – Plan View

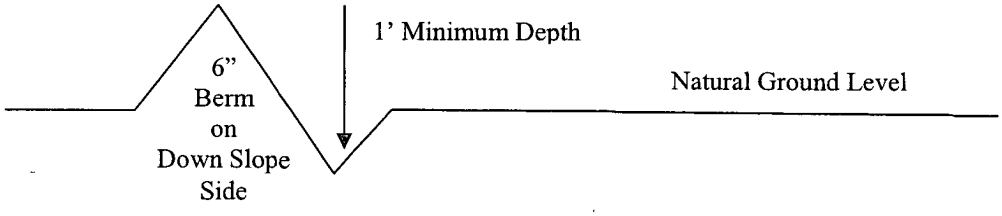


Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section Of Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula For Spacing Interval Of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

$$\text{400 foot road with 4\% road slope: } \frac{400'}{4\%} + 100' = 200' \text{ lead-off ditch interval}$$

Cattleguards

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s).

Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations.

Fence Requirement

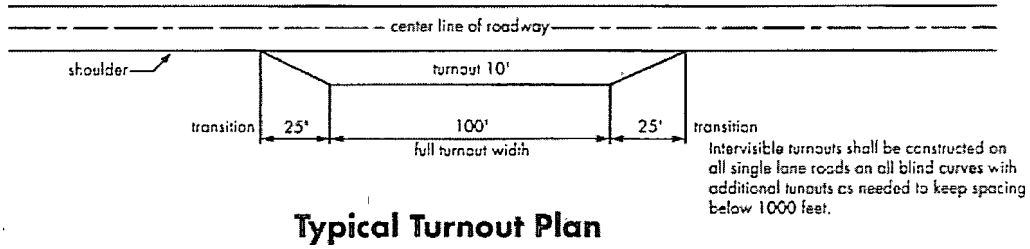
Where entry is required across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting.

The operator shall notify the New Mexico State Land Office or private surface landowner prior to crossing any fence(s).

Public Access

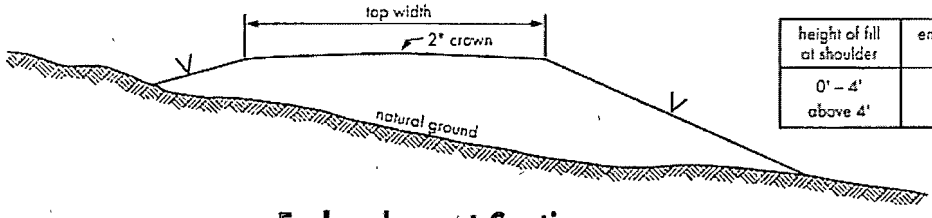
Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Figure 1 – Cross Sections and Plans For Typical Road Sections



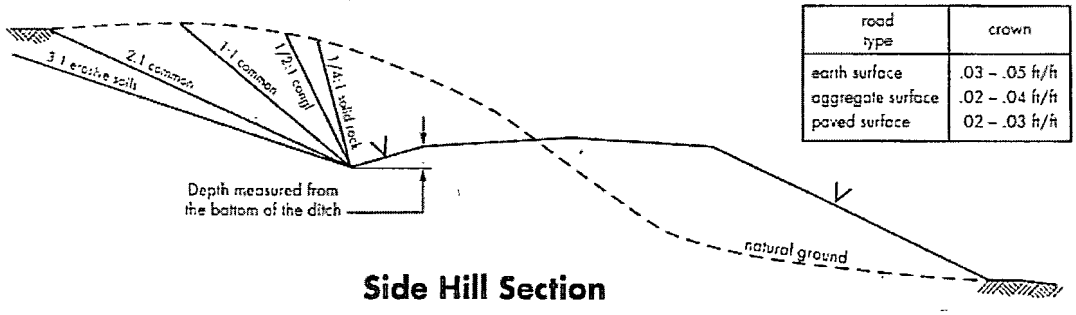
Intervisible turnouts shall be constructed on all single lane roads on all blind curves with additional turnouts as needed to keep spacing below 1000 feet.

Typical Turnout Plan



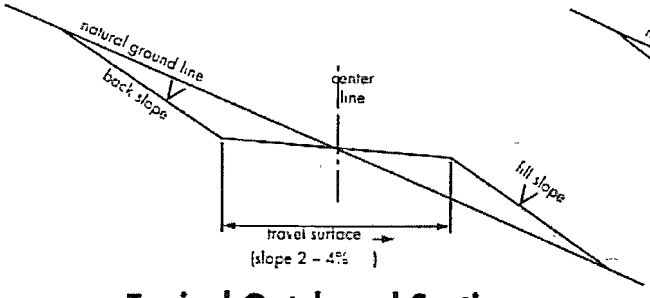
height of fill at shoulder	embankment slope
0' – 4'	3:1
above 4'	2:1

Embankment Section

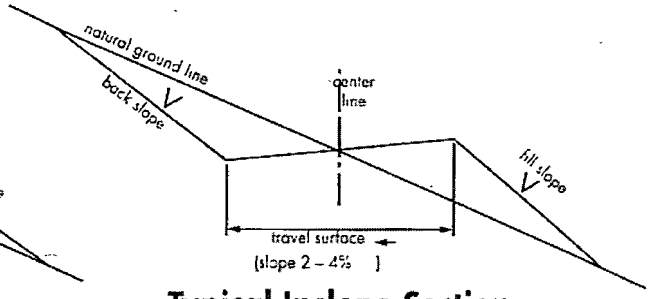


road type	crown
earth surface	.03 – .05 ft/ft
aggregate surface	.02 – .04 ft/ft
paved surface	02 – .03 ft/ft

Side Hill Section



Typical Outsloped Section



Typical Inslope Section

V. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

1. Call the Roswell Field Office, 2909 West Second St., Roswell, NM 88201. During office hours call (575) 910-6024 or after office hours call (575) 627-0205. Engineer on call during office hours call (575) 627-0275 or after office hours call (575) 626-5749.

2. The Roswell Field Office is to be notified a minimum of 4 hours in advance for a representative to witness:

a. Spudding

b. Cementing casing: 13-3/8 inch 9-5/8 inch 7 inch 4-1/2 inch

c. BOPE Tests

3. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

4. Include the API No. assigned to well by NMOCD on the subsequent report of setting the first casing string.

5. A Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the BLM. The effective date of the agreement shall be prior to any sales.

B. CASING:

1. The 13-3/8 inch surface casing shall be set at approximately 340 feet and cemented to the surface.

a. If cement does not circulate to the surface, the Roswell Field Office shall be notified and a temperature survey utilizing an electronic type temperature survey with a surface log readout will be used or a cement bond log shall be run to verify the top of the cement.

b. Wait on cement (WOC) time for a primary cement job will be a minimum 18 hours for a water basin or 500 pounds compression strength, whichever is greater. (This is to include the lead cement).

c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compression strength, whichever is greater.

d. If cement falls back, remedial action will be done prior to drilling out that string.

2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing is sufficient to circulate to the surface. If cement does not circulate see B.1.a-d above.

3. The minimum required fill of cement behind the 7 inch production casing is sufficient to tie back 500 feet above the uppermost perforation in the pay zone. If cement does not circulate, a temperature survey utilizing an electronic type temperature survey with a surface log readout will be used or a cement bond log shall be run to verify the top of the cement.

4. There is no required fill of cement behind the 4-1/2 inch production casing since a Peak Systems Iso-Pak liner will be used for lateral and will not require cementing.

5. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

C. PRESSURE CONTROL:

1. Before drilling below the 13-3/8 inch surface casing shoe, the blowout preventer assembly shall consist of a minimum of One Annular Preventer or Two Ram-Type Preventers and a Kelly Cock/Stabbing Valve. Before drilling below the 9-5/8 inch intermediate casing shoe, the blowout preventer assembly shall consist of a minimum of One Annular Preventer, Two Ram-Type Preventers, and a Kelly Cock/Stabbing Valve.

2. Before drilling below the 13-3/8 inch surface casing shoe, minimum working pressure of the blowout preventer and related equipment (BOPE) shall be 2000 psi. Before drilling below the 9-5/8 inch intermediate casing shoe, minimum working pressure of the blowout preventer and related equipment (BOPE) shall be 3000 psi.

3. The BOPE shall be installed before drilling below the 13-3/8 inch surface casing and the 9-5/8 inch intermediate casing and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.

a. The BLM Roswell Field office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

b. The tests shall be done by an independent service company.

c. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.

d. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the BLM Roswell Field Office at 2909 West Second Street, Roswell, New Mexico 88201.

e. Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures. Use of drilling mud for testing is not permitted since it can mask small leaks.

f. Testing must be done in a safe workman like manner. Hard line connections shall be required.

D. DRILLING MUD:

1. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented. Monitoring equipment shall consist of the following:

a. Recording pit level indicator to indicate volume gains and losses.

b. Mud measuring device for accurately determining the mud volumes necessary to fill the hole during trips.

c. Flow-sensor on the flow-line to warn of abnormal mud returns from the well.

E. DRILL STEM TEST (optional)

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.
Engineer on call phone (after hours only): Roswell: (505) 626-5749

VI. PRODUCTION

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

Containment Structures

The containment structure shall be constructed to hold the capacity of the entire contents of the largest tank, plus 24 hour production, unless more stringent protective requirements are deemed necessary by the Authorized Officer.

Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color, Juniper Green, from the Standard Environmental Colors Chart.

VRM Facility Requirement

Low-profile tanks not greater than eight-feet-high shall be used.

VII. INTERIM RECLAMATION

A. INTERIM RECLAMATION

If the well is a producer, interim reclamation shall be conducted on the well site in accordance with the orders of the Authorized Officer. The operator shall submit a Sundry Notices and Reports on Wells (Notice of Intent), Form 3160-5, prior to conducting interim reclamation.

During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche may be used in road repairs, fire walls or for building other roads and locations. In addition, in order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

During interim reclamation disturbed areas shall be recontoured, all trash removed, and reseeded as follows:

Loamy, SD-3 Ecological Site for HP-3 Loamy and Loamy CP-2 & Gyp Upland CP-2

Common Name and Preferred	Variety Scientific Name	Pounds of Pure Live Seed Per Acre
Blue grama,	*(Bouteloua gracilis)*	4.00 lbs.
Sideoats grama,	*(Bouteloua curtipendula)*	1.00 lb.
Sand dropseed	*(Sporobolus cryptandrus)*	0.50 lb.
Vine mesquite	*(Panicum obtusum)*	1.00 lb.
Plains bristlegrass	*(Setaria macrostachya)*	1.00 lb.
Indian blanketflower	*(Gaillardia aristata)*	0.50 lb.
Desert or Scarlet	*(Sphaeralcea ambigua)*	1.00 lb.
Globemallow or	*(S. coccinea)*	
Annual sunflower	*(Helianthus annuus)*	0.75 lb.
TOTAL POUNDS PURE LIVE SEED (pls) PER ACRE		9.75 lbs.

If one species is not available, increase ALL others proportionately. Use No Less than 4 species, including one forb. No less than 9.75 pounds (pls) per acre shall be applied. Certified Weed Free Seed.

VIII. FINAL ABANDONMENT & REHABILITATION REQUIREMENTS

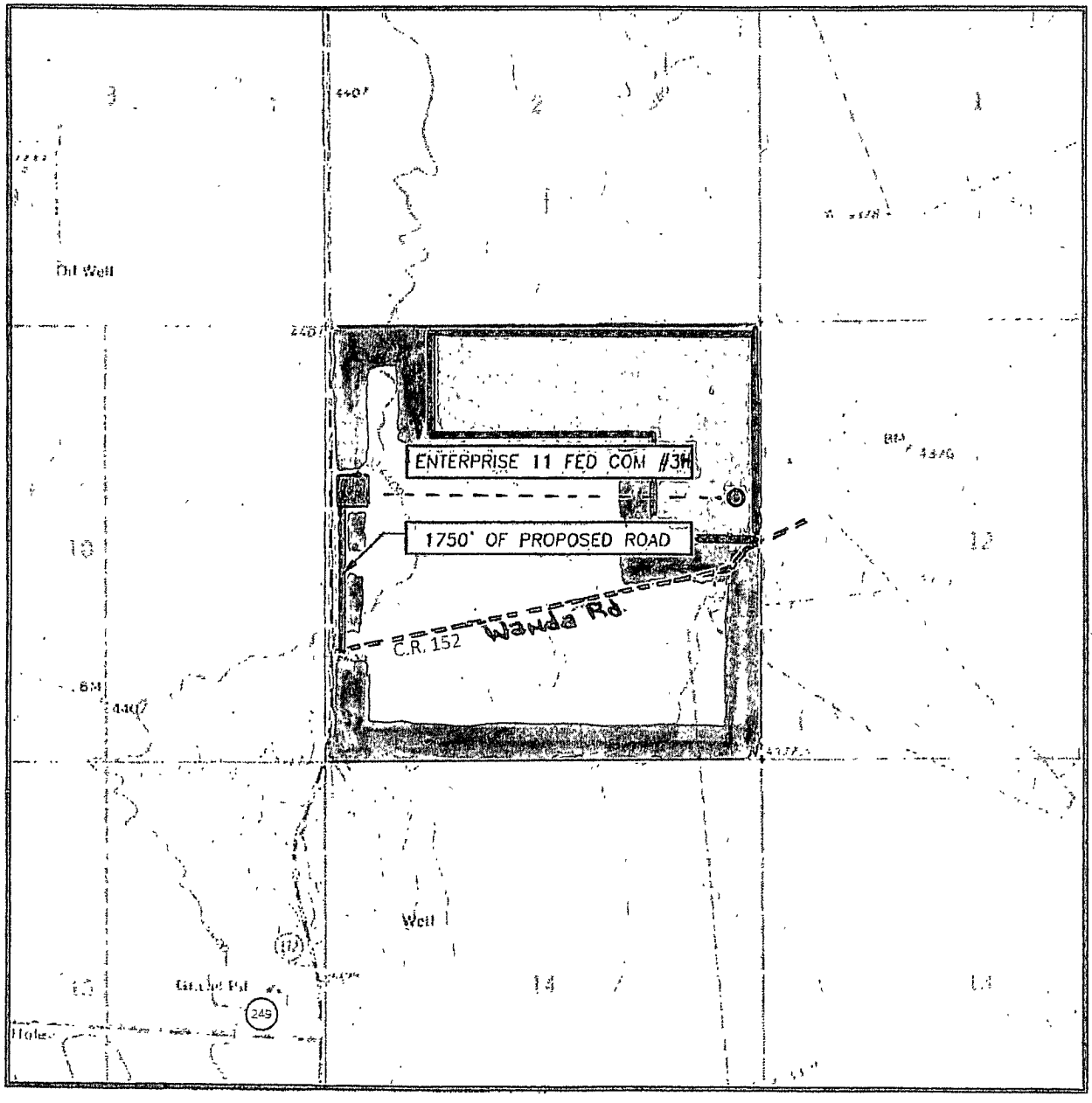
A. Upon abandonment of the well and/or when the access road is no longer in service, a Notice of Intent for Final Abandonment with the proposed surface restoration procedure must be submitted for approval.

B. On New Mexico State Land Office surface estate land; the reclamation procedures on the road and well pad shall be accomplished in accordance with the New Mexico State Land Office agreements.

EXHIBIT B

8/8/08

Enterprise 11 Federal Com. #3H
Surface Location: 1980' FNL & 330' FWL,
Bottom Hole Location: 1980' FNL & 330' FEL,
Section 11, T. 15 S., R. 31 E.,
Chaves County, New Mexico, NMPM



Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

New Mexico Oil Conservation Division, District I
1625 N. French Drive
Hobbs, NM 88240

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

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

5. Lease Serial No.
SHL State-Owned BHL NM-105886

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
Enterprise 11 Federal Com No. 3

2. Name of Operator
Cimarex Energy Co. of Colorado

9. API Well No.
30-005-

3a. Address
PO Box 140907; Irving, TX 75014-0907

3b. Phone No. *(include area code)*
972-401-3111

10. Field and Pool, or Exploratory Area
Abo Wildcat

4 Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SHL 1980 FNL & 330 FWL 11-15S-31E
BHL 1980 FNL & 330 FEL

11. County or Parish, State
Chaves County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[ ] Other
	[X] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
[ ] Final Abandonment Notice	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete 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 recompletion 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 is switching from a reserve pit to a closed-loop system to drill the Enterprise 11 Federal Com No. 3. Please see information about the closed-loop system on the attached pages.

Please also see attached revised rig layout.

RECEIVED
AUG 21 2008
HOBBS OCD

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

Name *(Printed/Typed)*
Natalie Krueger

Title
Regulatory Analyst

Signature
Natalie Krueger

Date
July 30, 2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
/S/ Angel Mayes

Title
Assistant Field Manager, Lands And Minerals

Date
8/19/08

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
ROSWELL FIELD OFFICE

Title 18 U.S.C. Section 1001, makes 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

(Instructions on reverse)

3160-5 - Change to Closed-Loop System
Enterprise 11 Federal Com No. 3
11-15S-31E
SHL 1980 FNL & 330 FWL
BHL 1980 FNL & 330 FEL
Chaves County, NM

Methods of Handling Waste Material:

A. Drill cuttings will be seperated by a series of solids removal equipment and stored in steel containment pits and then hauled to a state-approved disposal facility.
B. All trash, junk and other waste material will be contained in trash cages or bins to prevent scattering. When the job is completed all contents will be removed and disposed of in an approved sanitary land fill.
C. Salts remaining after completion of well will be picked up by supplier including broken sacks.
D. Sewage from living quarters will drain into holding tanks and be cleaned out periodically. A Porta-John will be provided for the rig crews. This equipment will be properly maintained during the drilling operations and removed upon completion of the well.
E. Drilling fluids will be contained in steel pits in a closed circulating system. Fluids will be cleaned and reused. Water produced during testing will be contained in the steel pits and disposed of at a state approved disposal facility. Any oil or condensate produced will be stored in test tanks until sold and hauled from the site.

Ancillary Facilities:

A. No camps or airstrips to be constructed.

Well Site Layout:

A. Exhibit "D" shows location and rig layout.
B. Mud pits in the closed circulating system will be steel pits and the cuttings will be stored in steel containment pits.
C. Cuttings will be stored in steel pits until they are hauled to a state-approved disposal facility.
D. If the well is a producer, those areas of the location not essential to production facilities will be reclaimed and seeded per BLM requirements.

Plans for Restoration of Surface:

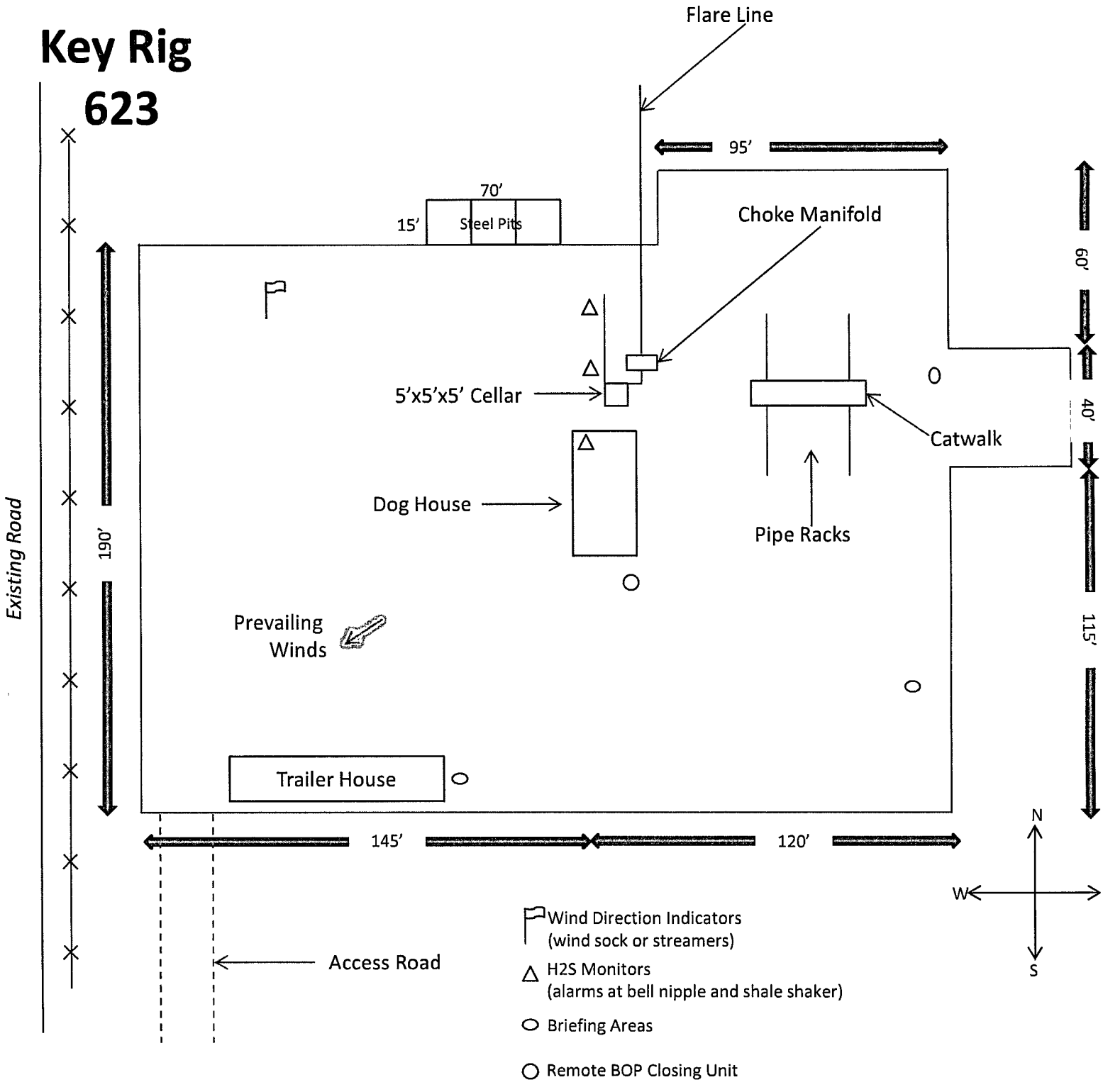
Rehabilitation of the location will start in a timely manner after all drilling operations cease. The type of reclamation will depend on whether the well is a producer or a dry hole.

Drainage systems, if any, will be reshaped to the original configuration with provisions made to alleviate erosion. These may need to be modified in certain circumstances to prevent inundation of the location's pad and surface facilities. After the area has been shaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible. Revegetation procedures will comply with BLM standards.

If the well is a dry hole, the pad and road area will be recountoured to match the existing terrain. Topsoil will be spread to the extent possible. Revegetation will comply with BLM standards.

Should the well be a producer, the previously noted procedures will apply to those areas which are not required for production facilities.

Key Rig 623



Revised Rig Diagram
Enterprise 11 Federal Com No. 3
Cimarex Energy Co. of Colorado
SHL 1980' FNL & 330' FWL
BHL 1980' FNL & 330' FEL
11-15S-31E
Chaves County, NM