

30025-41173

Surface Use Plan
West Grama Ridge 6 Federal #4H
Cimarex Energy Co.
Lot: 1 Sec. 6, 22S, 34E
Lea Co., NM

HOBBS OCD

MAY 13 2013

BLM/USGS

1. **Existing Roads:** Exhibit "B" is a reproduction of Eddy Co. General Highway Map. Exhibit "C" is a reproduction of USGS Topographic Map, and Exhibit "C-1" is a well site layout map, showing proposed road to location and existing road. Existing road shown on Exhibits "C," "C"-1," will be maintained in a condition equal to or better than current conditions.

- A. The maximum width of the driving surface will be 15.' The road will be crowned and ditched with a 2% slope from the tip of the crown to the edge of the driving surface. The ditches will be 1' deep with 3:1 slopes. The driving surface will be made of 6" rolled and compacted caliche.
- B. West on Hwy 176 in between San Simon and mile marker 19 turn South on existing lease road. Go 9 miles to existing North bound lease road, go 0.9 miles to proposed road.

2. **Planned Access Roads:** Approximately 2750' of new main access road will be constructed.

3. **Planned Electric Line:** Approximately 2750' of 480 volt, 4 wire, 3 phase, 10 spans of 40' poles, raptor spec E-line will be constructed and follow proposed access road to the Barbara Federal #1 (30025-24598) well site and tie in to existing E-line. Route is within lease boundaries, please see Exhibit G. Any changes to E-Line route will be submitted via sundry notice.

4. **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 Exhibits "A"
- E. Abandoned wells - As shown on Exhibits "A"

5. **Location of Proposed Production Facilities:**

If on completion this well is a producer, a tank battery will be used and the necessary production equipment will be installed at the wellsite. Any changes to the facility or off site facilities 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.

6. **Source of Construction Material:**

If possible, native caliche will be obtained from the excavation of drill site. Topsoil will be pushed back from the drill site and existing caliche will be ripped and compacted. Then topsoil will be stockpiled on location as depicted on Exhibit "D" (rig layout). If additional material is needed, it will be purchased from a BLM-approved pit as near as possible to the well location.

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7. Ancillary Facilities:

- A. No camps or airstrips to be constructed.

8. Well Site Layout:

- A. Exhibit "D" shows location and rig layout.
- B. Mud pits in the closed circulation 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.

9. 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 producer, those areas of the location not essential to production facilities and operations will be reclaimed and seeded per BLM requirements. Please see Production Facilities Layout Diagram, exhibit D-1

10 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 Department of the Interior, Bureau of Land Management. The land is used mainly for farming, cattle ranching, recreational use, and oil and gas production.
- C. In lieu of an archaeological survey report, Cimarex will be submitting an MOA application for this well pad and access road since they are within the MOA boundary.
- D. There are no know dwellings within 1½ miles of this location.

11. On Site Notes and Information:

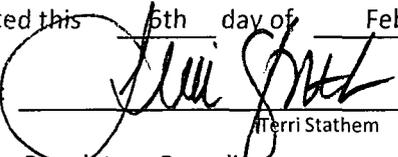
On October 30, 2012, A BLM onsite meeting was held with Barry Hunt, Cimarex representative, John Fast with the BLM, and Basin Suveys. The permitted location was approved. V-Door North. Top soil south. Access road from the southeast corner, south 1/2 mile to lease road (This will be the new main road into all the 6 & 5 Federal wells).

Operator Certification Statement
West Grama Ridge 6 Federal #4H
Cimarex Energy Co.
Lot: 1 Sec. 6, 22S, 34E
Lea Co., NM

Operator's Representative
Cimarex Energy Co. of Colorado
600 N. Marienfeld St., Ste. 600
Midland, TX 79701
Office Phone: (432) 571-7800

CERTIFICATION: I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this 5th day of February, 2013

NAME: 
Terri Stathem

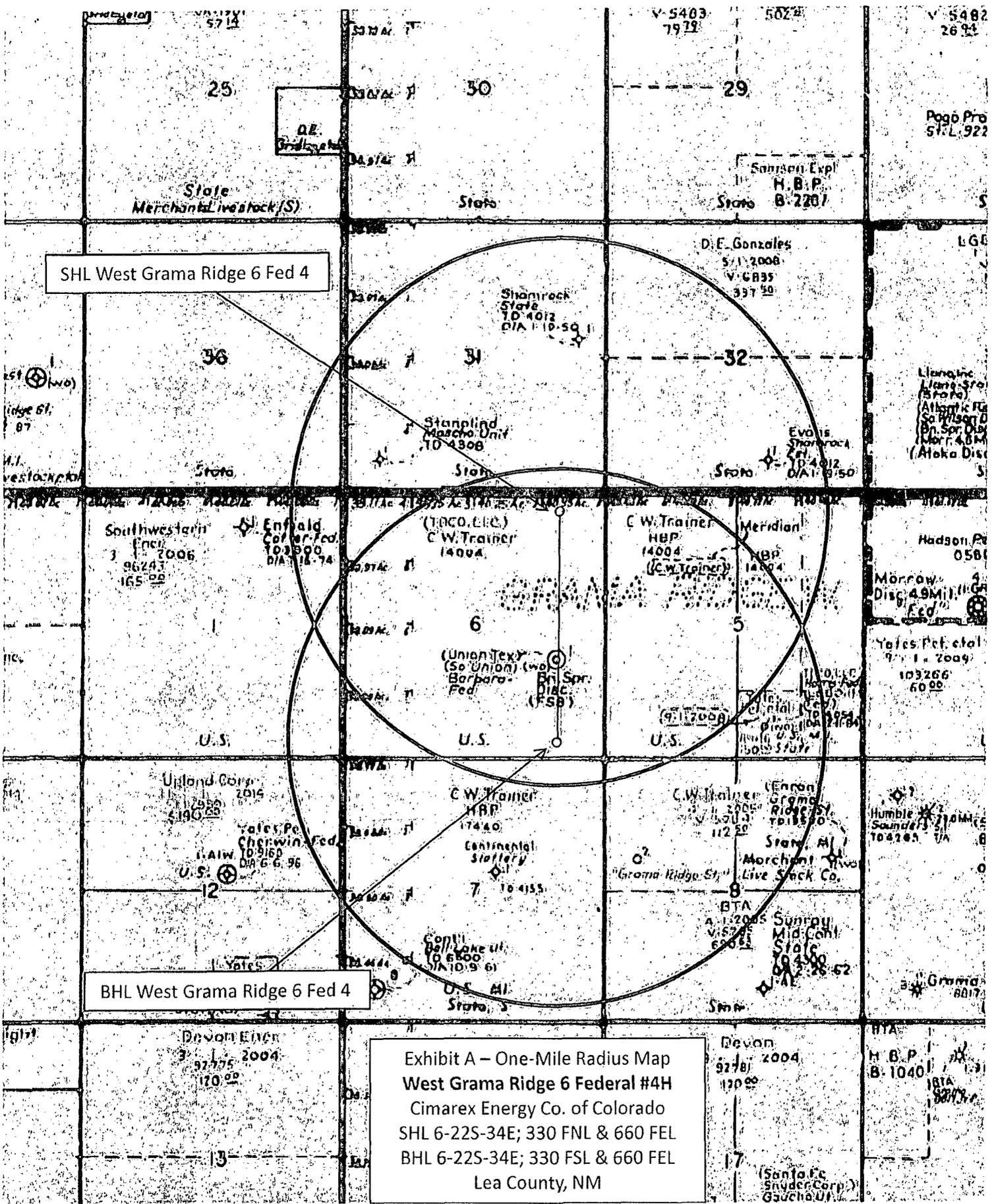
TITLE: Regulatory Compliance

ADDRESS: 600 N. Marienfeld St., Ste. 600
Midland, TX 79701

TELEPHONE: 432-571-7848

EMAIL: tstathem@cimarex.com

Field Representative: Same as above



SHL West Grama Ridge 6 Fed 4

BHL West Grama Ridge 6 Fed 4

Exhibit A – One-Mile Radius Map
 West Grama Ridge 6 Federal #4H
 Cimarex Energy Co. of Colorado
 SHL 6-22S-34E; 330 FNL & 660 FEL
 BHL 6-22S-34E; 330 FSL & 660 FEL
 Lea County, NM

State Merchant Livestock (S)

State

State H.B.P. B-2207

D.E. Gonzales
 5/1/2008
 V-GB35
 337 50

Shamrock
 State
 10-4012
 DIA 11-10-50

Stanford
 Mascho Unit
 10-4308

Evans
 Shamrock
 10-4012
 DIA 11-10-50

Southwestern
 Encl
 3/1/2006
 96243
 165 00

Enfield
 Coler Fed
 10-3300
 DIA 11-18-74

(TACO, L.R.C.)
 C.W. Trainer
 14004

C.W. Trainer
 HBP
 14004
 (C.W. Trainer)

Meridian
 HBP
 14004

(Union Tex)
 (So Union) (wo)
 Barbara
 Fed
 Br Spr
 DIBC
 (FSB)

Upland Corp
 2015
 11950
 490 00

Yates, P.
 Cherwin Fed
 10-9160
 DIA 6-6-96

C.W. Trainer
 HBP
 17440

Continental
 Staffery
 10-4155

C.W. Trainer
 HBP
 112 00

(Enron)
 Grama
 Ridge
 10-1850

U.S.

U.S.

U.S.

Yates

Cont'l
 Lake U
 10-6500
 DIA 10-9-61

BTA
 A-12005
 V-5725
 600 00

Sunray
 Mid Cont
 State
 10-3150
 DIA 12-28-62

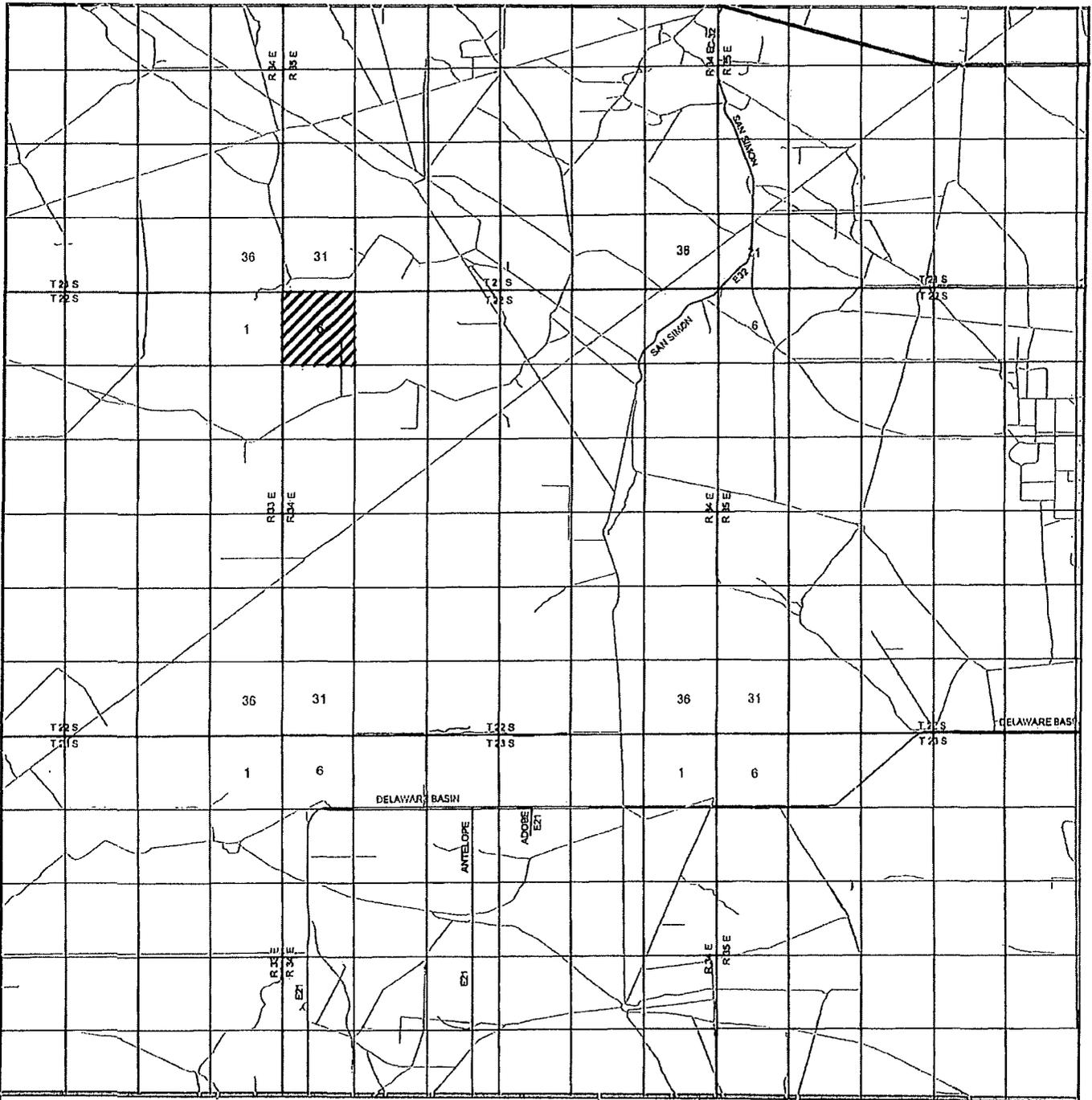
BHL West Grama Ridge 6 Fed 4

Devon
 3/1/75
 2004
 170 00

Devon
 9/2/81
 2004
 170 00

H.B.P.
 B-1040
 187A
 500 00

(Sanjac
 Snyder Corp)
 Gaocho U



WEST GRAMA RIDGE 6 FEDERAL #4H
 Located 330' FNL and 660' FEL
 Section 6, Township 22 South, Range 34 East,
 N.M.P.M., Lea County, New Mexico.

basin surveys
 focused on excellence
 in the oilfield

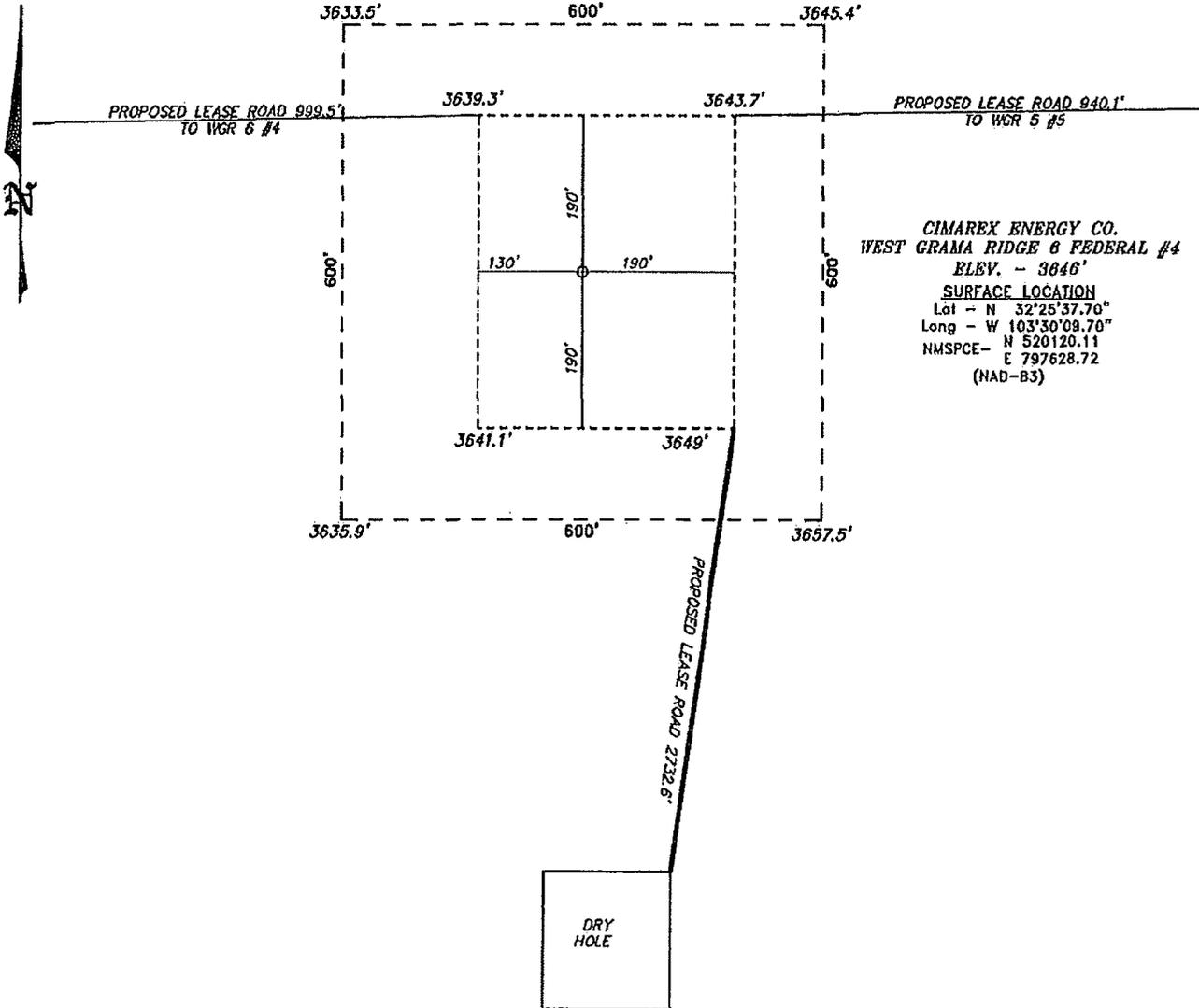
P.O. Box 1786
 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basin surveys.com

W.O. Number:	DAJ 27570
Survey Date:	11-01-2012
Scale:	1" = 2 Miles
Date:	11-12-2012

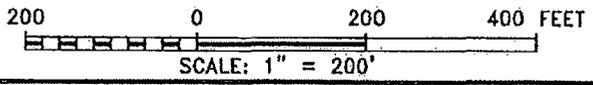
**CIMAREX
 ENERGY CO.**

Exhibit B

SECTION 6, TOWNSHIP 22 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



CIMAREX ENERGY CO.
WEST GRAMA RIDGE 6 FEDERAL #4
ELEV. - 3646'
SURFACE LOCATION
Lat - N 32°25'37.70"
Long - W 103°30'09.70"
NMSPEC- N 520120.11
E 797628.72
(NAD-83)



Directions to Location:

HEADING WEST ON HIGHWAY 176 IN BETWEEN SAN SIMON AND MILE MARKER 19 TURN SOUTH ON EXISTING LEASE ROAD, GO 9 MILES TO EXISTING NORTHBOUND LEASE ROAD GO 0.9 MILES TO PROPOSED ROAD FOR WEST GRAMA RIDGE 5 AND 6 WELLS.

CIMAREX ENERGY CO.

REF: WEST GRAMA RIDGE 6 FEDERAL #4H/ WELL PAD TOPO

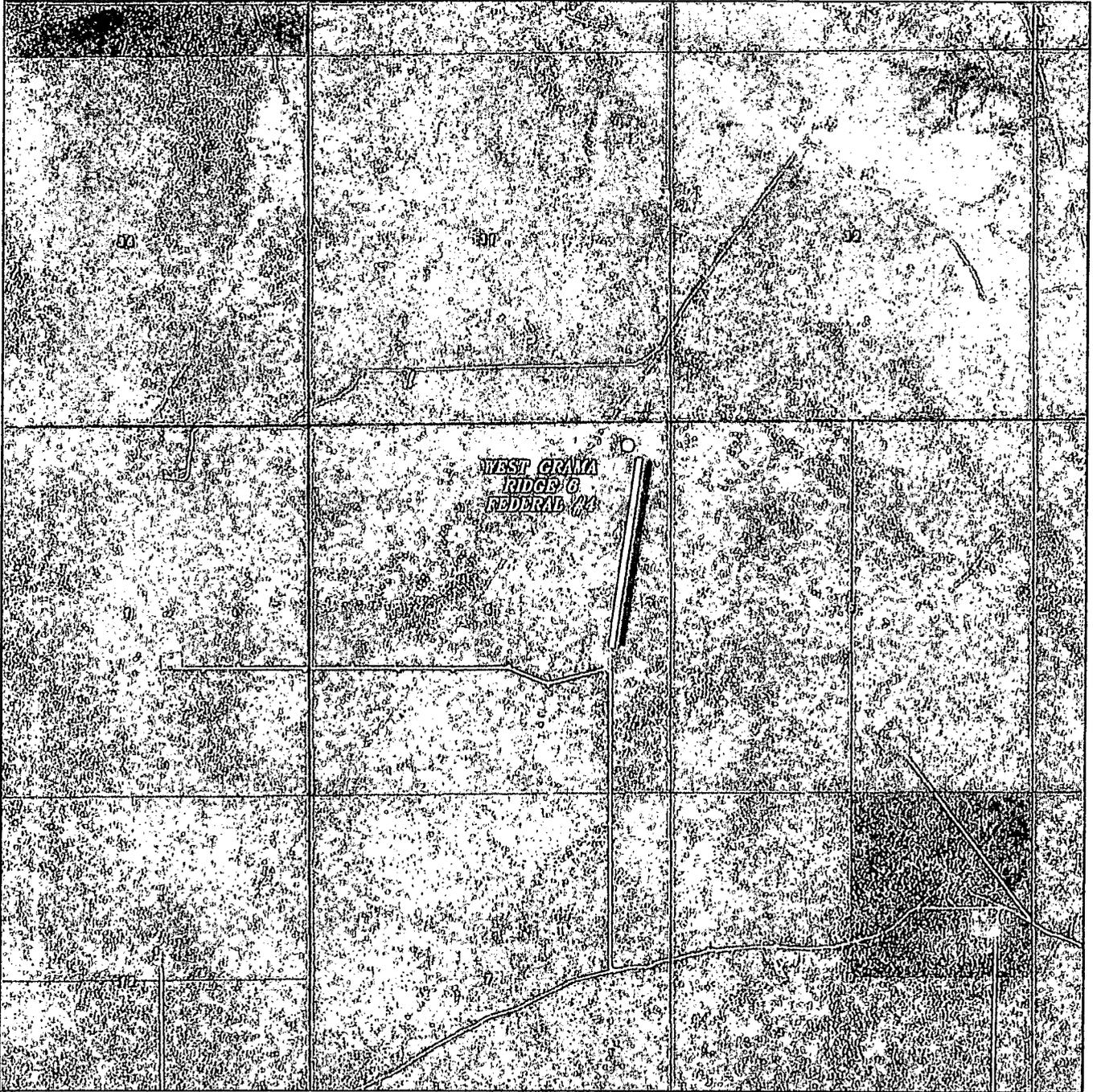
THE WEST GRAMA RIDGE 6 FEDERAL #4 LOCATED 330'
FROM THE NORTH LINE AND 660' FROM THE EAST LINE OF
SECTION 6, TOWNSHIP 22 SOUTH, RANGE 34 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

BASIN SURVEYS P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 27570 Drawn By: D. JONES

Date: 11-12-2012 Disk: DAJ 27570

Survey Date: 11-01-2012 Sheet 1 of 1 Sheets

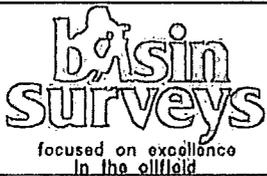


WEST GRAMA RIDGE 6 FEDERAL #4H

Located 330' FNL and 660' FEL

Section 6, Township 22 South, Range 34 East,
N.M.P.M., Lea County, New Mexico.

E-line 



P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(575) 393-7316 - Office
(575) 392-2206 - Fax
basinsurveys.com

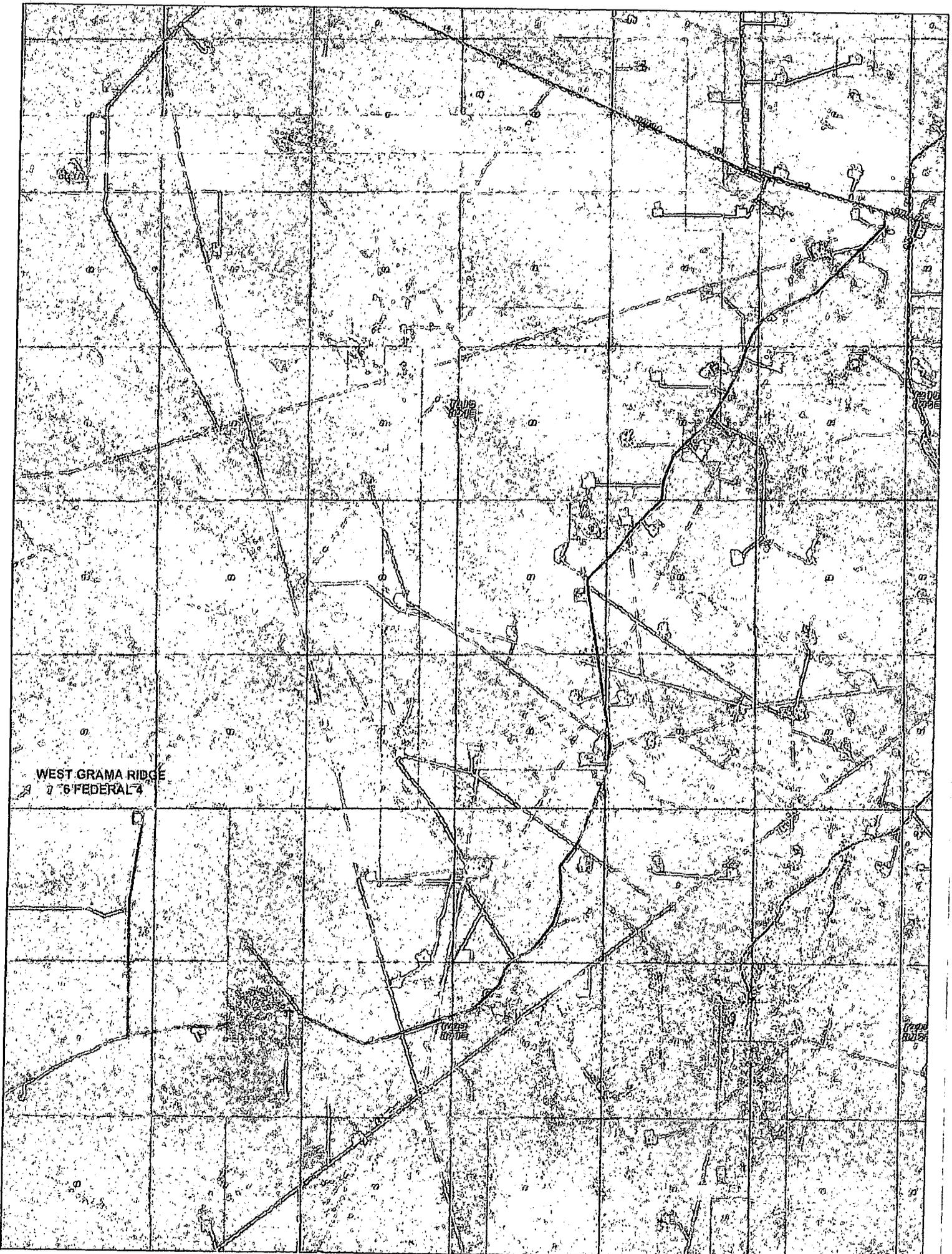
W.O. Number: DAJ 27570

Scale: 1" = 2000'

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND

**CIMAREX
ENERGY CO.**

Exhibit G



WEST GRAMA RIDGE
7 6 FEDERAL 4

