

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB NO 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: UNKNOWN OTH		5. Lease Serial No. NMNM100586
2. Name of Operator CIMAREX ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
Contact: TRACIE CHERRY E-Mail: tcherry@cimarex.com		7. If Unit or CA/Agreement, Name and/or No
3a. Address 600 NORTH MARIENFELD STREET STE 600 MIDLAND, TX 79701	3b. Phone No (include area code) Ph: 432-620-1959	8. Well Name and No. ARROYO VISTA FRAC TRACT 1H #1 C37174
4. Location of Well (Footage, Sec, T, R, M., or Survey Description) Sec 13 T22S R22E NWSW FNL FEL L		9. API Well No.
		10. Field and Pool, or Exploratory YESO, WILDCAT
		11. County or Parish, and State EDDY COUNTY, NM

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

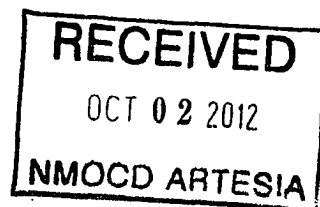
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/>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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Cimarex Engery proposes to construct a 450' x 450' x 8' square frac pit on the Arroyo Vista Lease as shown on the attached plat a topo. The brush will be cleared and 2" of top soil will be stockpiled on location. Above ground tanks will be used for the drilling and completion of Arroyo Vista 14 Federal, well #1. After Arroyo Vista 14 Federal #1 is completed, above ground tanks will be removed and subsurface pits will be dug. Pit floor will be lined with Geofoam or caliche to protect against rocks if any. Pit will be fenced with a 5 wire barb wire fence with a 12' gate at the southwest corner of the pit. The pit will service Cimarex operated Bone Spring completions in the area. Fast lines from water haulers will be utilized along existing roads to fill the pit and transport fresh water to the wells for frac'ing. When drilling has ceased in the area, pit area will be reclaimed, contoured and reseeded per BLM specification. Stock pile 2-3' of topsoil

Archeological survey has been requested.

J Int 9-28-12

Accepted for record  
NMOCD

14. Thereby certify that the foregoing is true and correct	
Electronic Submission #147604 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 09/07/2012 ()	
Name (Printed/Typed) TRACIE CHERRY	Title SR REGULATORY ANALYST
Signature (Electronic Submission)	Date 08/27/2012

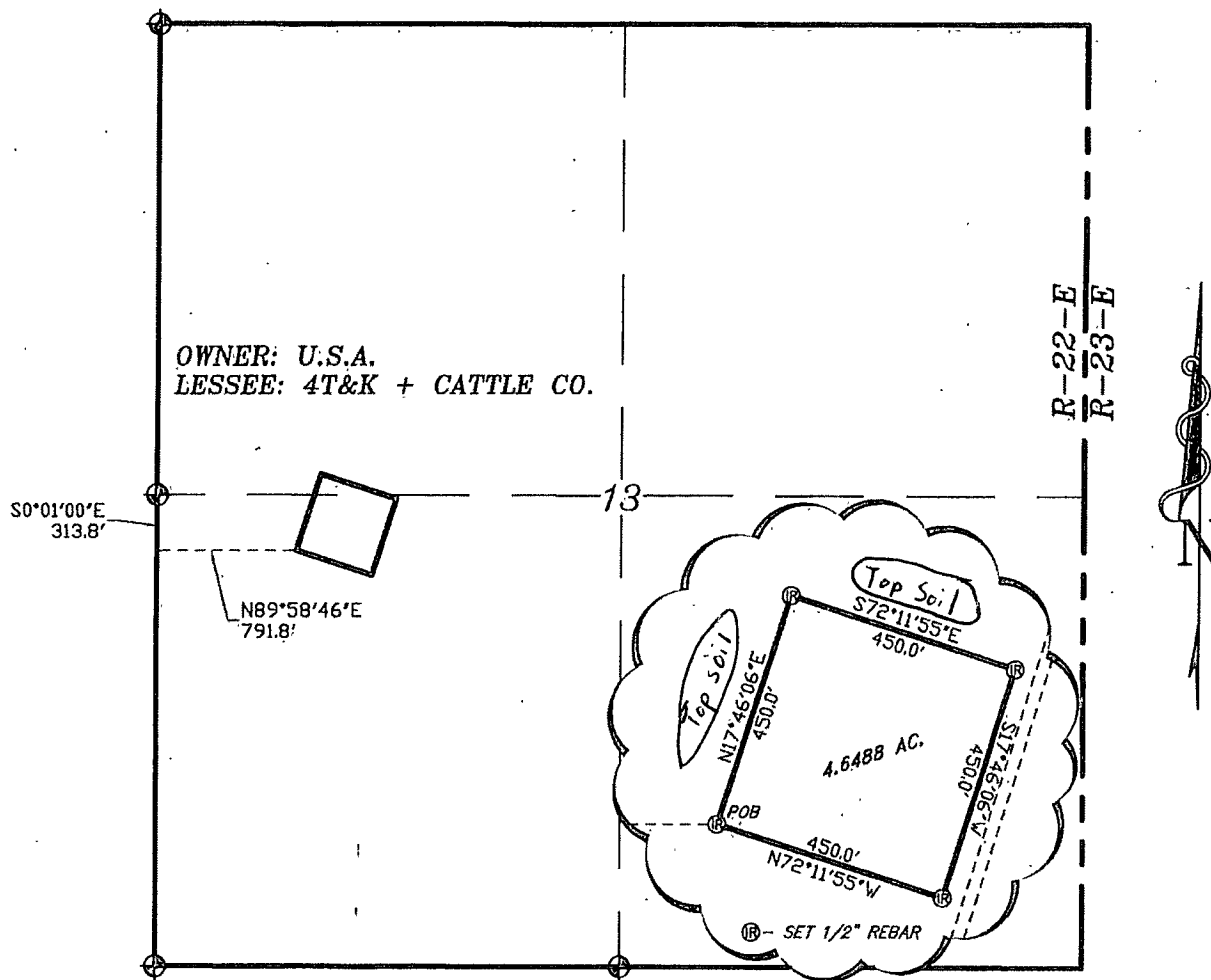
## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By	Title AFM	Date 9/28/12
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

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**SECTION 13, TOWNSHIP 22 SOUTH, RANGE 22 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.**

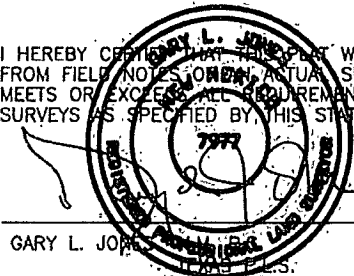


**LEGAL DESCRIPTION**

A TRACT OF LAND LOCATED IN SECTION 13, TOWNSHIP 22 SOUTH, RANGE 22 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT WHICH LIES S.00°01'00\"E., 313.8 FEET AND N.89°58'46\"E., 791.8 FEET FROM THE WEST QUARTER CORNER OF SAID SECTION 13; THENCE N.17°46'06\"E., 450.0 FEET; THENCE S.72°11'55\"E., 450.0 FEET; THENCE S.17°46'06\"W., 450.0 FEET; THENCE N.72°11'55\"W., 450.0 FEET TO THE POINT OF BEGINNING. SAID TRACT OF LAND CONTAINING 4.6488 ACRES, MORE OR LESS.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED FROM FIELD NOTES, ORIGINAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.



GARY L. JONES

No. 7977  
No. 5074

1000 0 1000 2000 FEET

**CIMAREX ENERGY CO. OF COLORADO**

REF: FRAC TRACT

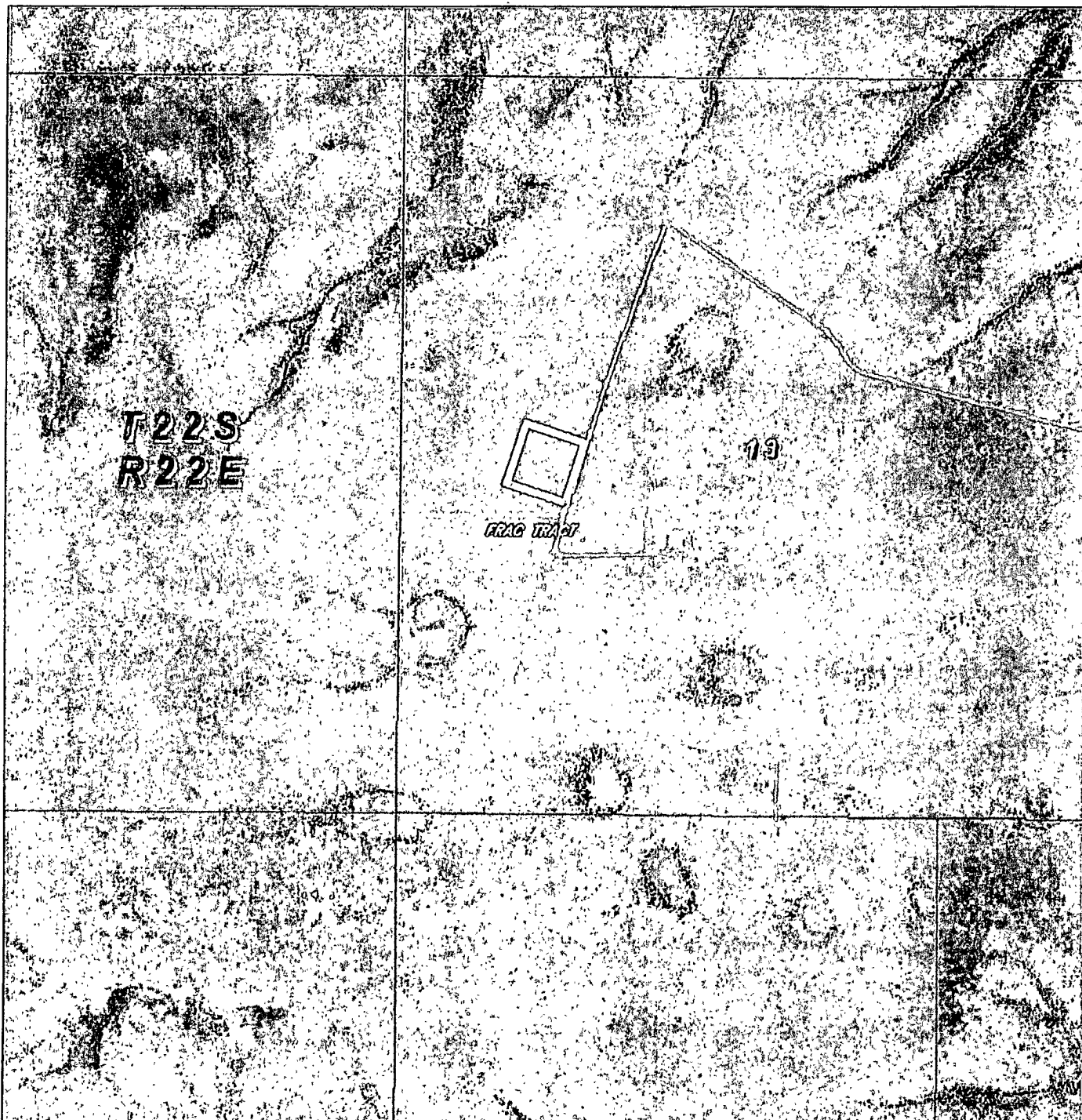
A TRACT OF LAND IN  
SECTION 13, TOWNSHIP 22 SOUTH, RANGE 22 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO.

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

W.O. Number: 27242 Drawn By: K. GOAD

Date: 08-20-2012 Disk: KJG - 27242TRACT.DWG

Survey Date: 08-17-2012 Sheet 1 of 1 Sheets



**PROPOSED FRAC TRACT**

Section 13, Township 22 South, Range 22 East,  
N.M.P.M., Eddy County, New Mexico.

**basin**  
**surveys**  
focused on excellence  
in the oilfield

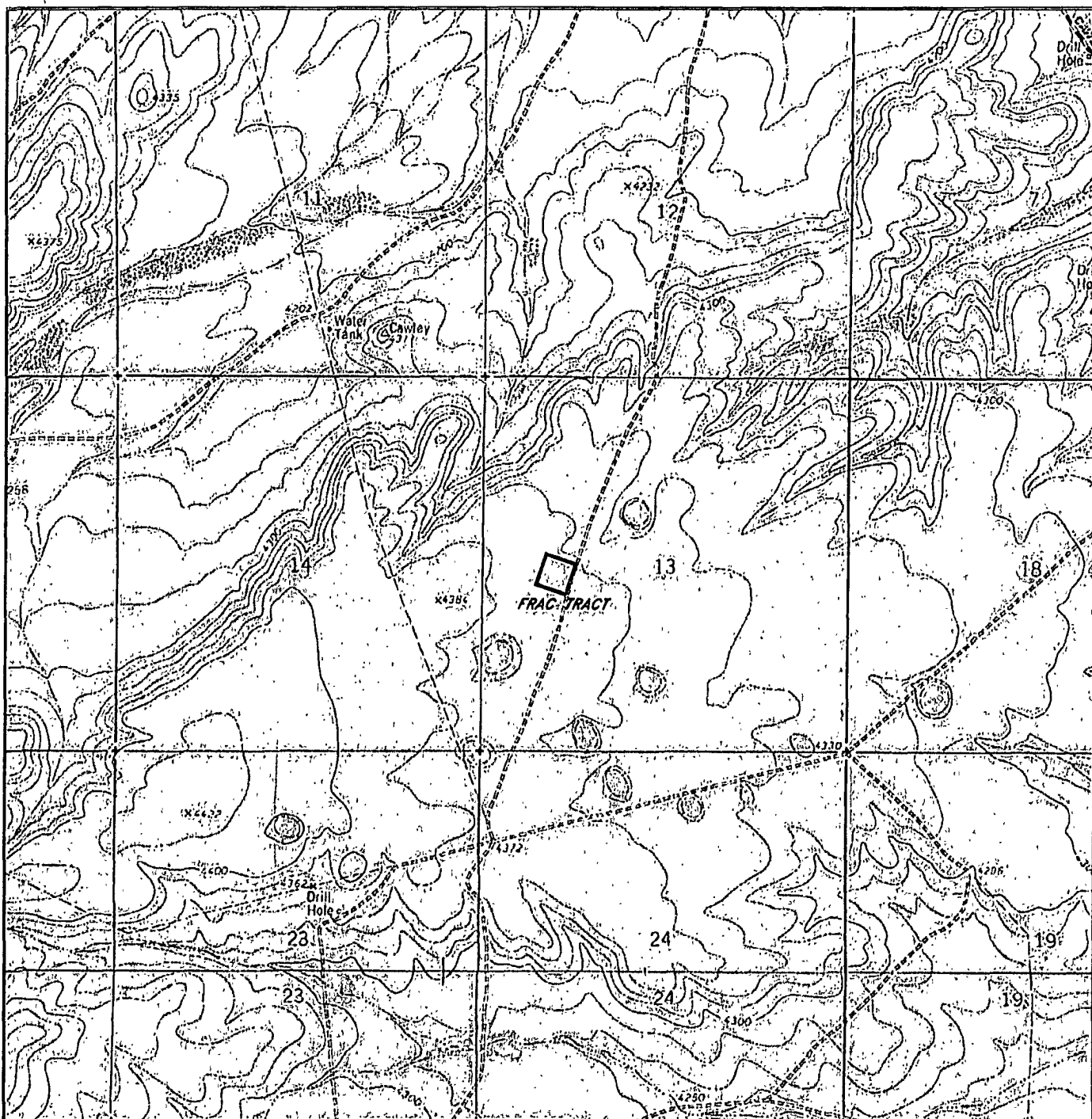
P.O. Box 1786  
1420 N. West County Rd.  
Hobbs, New Mexico 88241  
(575) 393-7316 - Office  
(575) 392-2206 - Fax  
basinsurveys.com

W.O. Number: KJG - 27242

Scale: 1" = 1000'

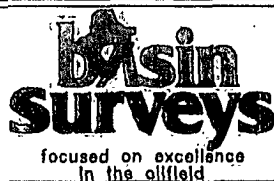
YELLOW TINT - USA LAND  
BLUE TINT - STATE LAND  
NATURAL COLOR - FEE LAND

**CIMAREX**  
**ENERGY CO.**  
**OF COLORADO**



# **PROPOSED FRAC TRACT**

Section 13, Township 22 South, Range 22 East,  
N.M.P.M., Eddy County, New Mexico.



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: KJG 27242

Survey Date: 08-17-2012

Scale: 1" = 2000'

Date: 08-20-2012

**CIMAREX  
ENERGY CO.  
OF COLORADO**

**BLM LEASE NUMBER:** NMNM 100586  
**COMPANY NAME:** Cimarex Energy Co of Colorado  
**ASSOCIATED WELL NO. & NAME:** Arroyo Vista Frac Tract

#### FRAC POND CONDITIONS OF APPROVAL

A copy of the Sundry Notice and attachments, including stipulations, survey plat and diagram, will be on location during construction. BLM personnel may request to see a copy of your permit during construction to ensure compliance with all conditions of approval.

Holder agrees to comply with the following conditions of approval to the satisfaction of the Authorized Officer:

1. The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this permit.
  2. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated.
  3. Required Standard Conditions of Approval:
    - Contact the Supervisory Environmental Protection Specialist, Jim Amos, at 575-234-5909 at least 24 hours prior to starting construction.
    - The frac pond will only be authorized to contain freshwater and testing of water quality is required. Additives are not allowed without consent of the authorized officer.
    - If at any time the water in the frac pond becomes polluted with salts or other contaminants, use of the frac pond will cease and desist, and all liquids will be removed from the frac pond and disposed of properly.
    - Confine all construction and maintenance activity to the authorized area.
    - Temporary pipelines flowing from the frac pond to the target well will be laid along existing roadways unless an exception has been granted by the authorized officer.
    - Mineral materials extracted during construction of the frac pond will be stored on-location and/or used for constructing the frac pond.
    - The frac pond will be lined.
    - The operator shall stockpile topsoil approximately 25 feet outside the bermed perimeter of the pond in a low profile manner, reasonably protected from wind and water erosion. Topsoil shall be stockpiled to the south. *Stockpile 2-3 inches*
-

- Topsoil shall not be used for constructing the frac pond berm. The topsoil will be used for final reclamation purposes only.
- The frac pond shall be fenced on all sides to prevent livestock and wildlife from entering the pond. The fence must be installed at the base of the berm.
- Install earthen erosion-control structures as are suitable for the specific terrain and soil conditions.
- The plastic lining will be removed prior to final abandonment
- Reclamation efforts will commence immediately after the frac pond is no longer needed for the purpose of completing wells.
- Within 3 months of completion of frac operations on associated wells, all earthwork and final reclamation must be completed. This includes reclaiming and/or removal of:
  - Any roads approved for use with the pond
  - Surface water lines
  - Tanks, pumps, fencing etc.
- Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

Requirements for Operations and Final Reclamation:

4. If, during any phase of the construction, operation, maintenance, or termination of the frac pond, any pollutant should be released from the contaminated frac pond, the control and total removal, disposal, and cleaning up of such pollutant, wherever found, shall be the responsibility of holder, regardless of fault.

5. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

6. Any cultural and/or paleontological resources (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf shall be immediately reported to the Authorized Officer. Holder 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 will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific

values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

7. The operator shall be held responsible if noxious weeds become established within the areas of operations. 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.

8. After all disturbed areas have been satisfactorily contoured and prepared for seeding the location needs to be revegetated with the seed mixture provided. Seeding may need to be repeated until revegetation is successful. Operators shall contact Jim Amos, Supervisor, Environmental Protection – (575)234-5909, **prior** to beginning surface reclamation operations.

9. Seeding is required: Use the following seed mix.

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> seed mixture 1 | <input type="checkbox"/> seed mixture 3      |
| <input type="checkbox"/> seed mixture 2            | <input type="checkbox"/> seed mixture 4      |
| <input type="checkbox"/> LPC mixture               | <input type="checkbox"/> Aplomado Falcon mix |

10. The topsoil to be stripped is approximately 4 inches in depth.

11. Upon failure of holder to control, dispose of, or clean up such discharge, or to repair all damages resulting there-from, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve holder of any responsibility as provided herein.

12. Special Stipulations:

- In the event that any underground voids are encountered during construction activities, construction activities will be halted and the BLM will be notified immediately.
- No Blasting to prevent geologic structure instabilities.
- After completion of the proposed project, necessary steps will be taken to ensure the area revegetates to conditions similar to that of the surrounding area