

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OGD  
OCD HOBBS

DEC 06 2012

FORM APPROVED  
OMB No. 1004-0137  
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 page 2.**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <b>Frac Pond</b>		5. Lease Serial No. <b>NMNM122620</b>
2. Name of Operator <b>COG Operating LLC</b>		6. If Indian, Allottee, or Tribe Name
3a. Address <b>2208 W. Main Street Artesia, NM 88210</b>	3b. Phone No. (include area code) <b>575-748-6940</b>	7. If Unit or CA. Agreement Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Section 31 - T25S - R33E</b>		8. Well Name and No. <b>Airacuda Frac Pond 1</b>
Lat.  Long.		9. API Well No. <b>30-025-40407</b>
		10. Field and Pool, or Exploratory Area <b>Undesignated</b>
		11. County or Parish, State <b>Lea County NM</b>

**12. CHECK APPROPRIATE BOX(S) 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"/> Altering 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 <b>Change Dimensions</b>
	<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 recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will be performed or provide the Bond No. on file with the 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 Notice 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.)

COG Operating LLC respectfully requests approval to move and change the dimensions of the Airacuda Frac Pond 1.

From: 320' x 320'

To: Westside: 285'  
Northside: 385'  
Eastside: 410'  
Southside: 520'

See attached plats and diagram.

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

Name (Printed/ Typed)

**Mayte Reyes**

Title:

**Regulatory Analyst**

Signature:

*Mayte Reyes*

Date:

**10/25/12**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by:

**/s/ Don Peterson**

Title:

**FIELD MANAGER**

Date:

**NOV 30 2012**

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:

**CARLSBAD FIELD 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 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)

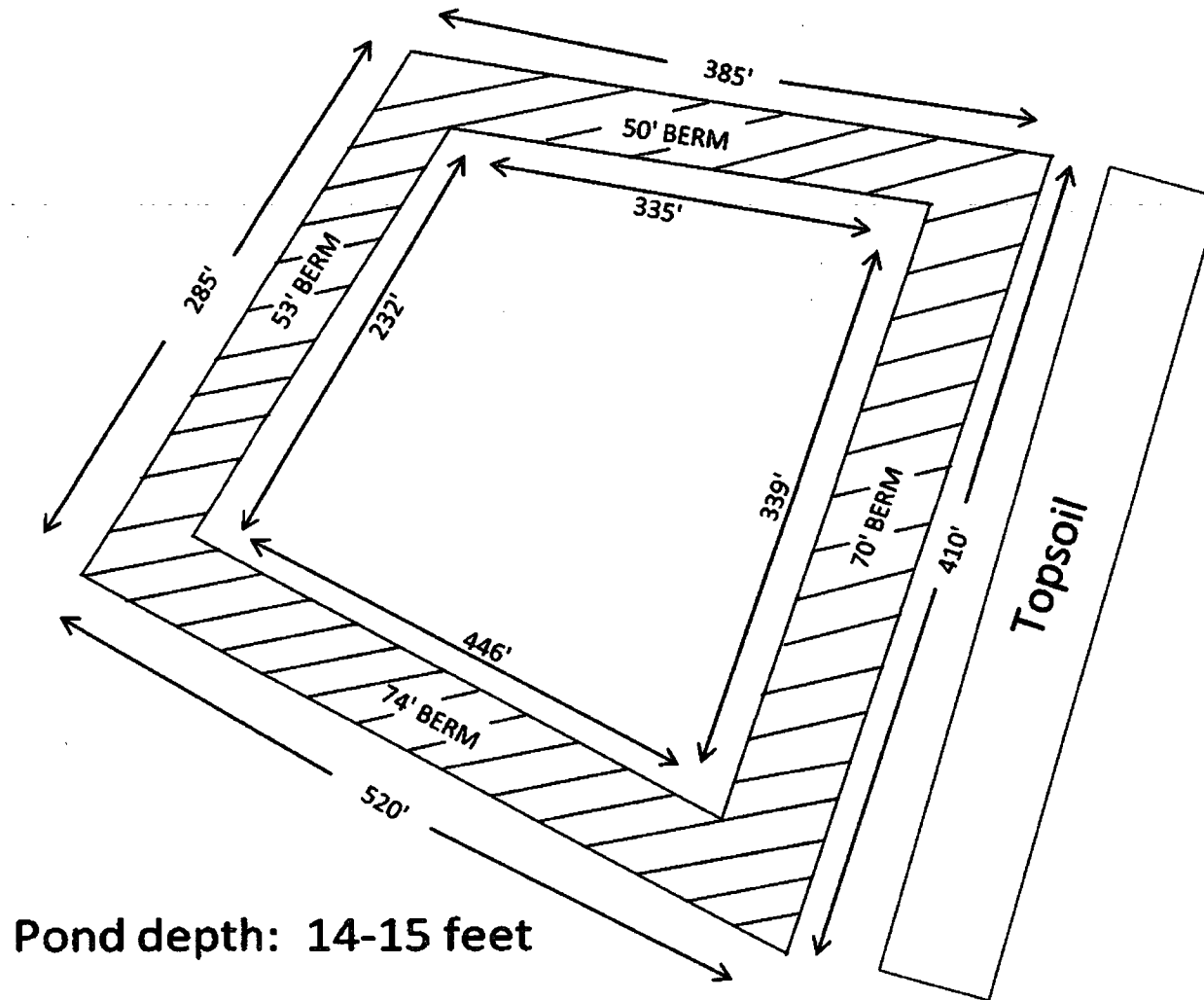
*MOB/ocd 1/11/2013*



COG Operating LLC  
2208 West Main  
Artesia, NM 88210

## Airacuda Frac Pond 1

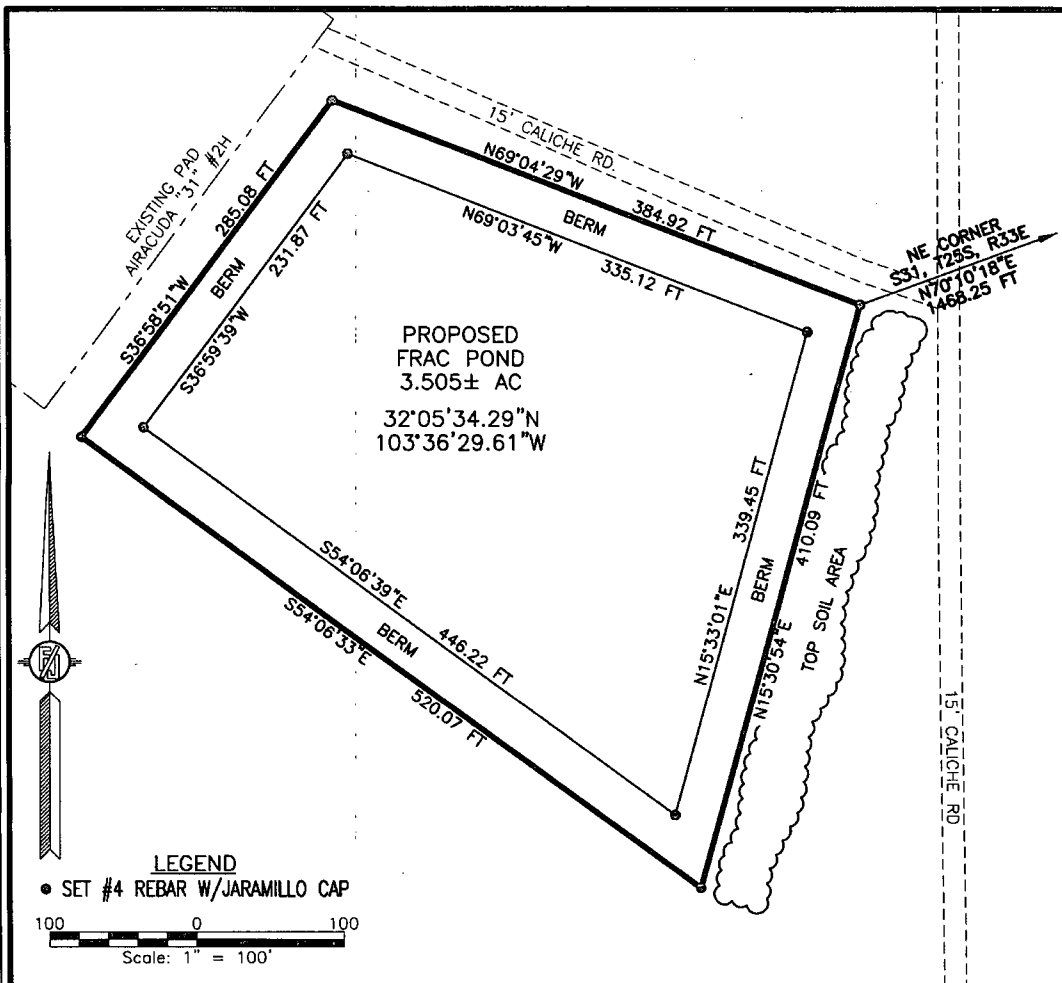
Section 31, T25S, R33E.



**COG OPERATING, LLC  
AIRACUDA FRAC POND**

IN THE E/2 NW/4 NE/4 OF  
SECTION 31, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
32°05'34.29"N, 103°36'29.61"W

OCTOBER 20, 2012



**DESCRIPTION**

A CERTAIN PIECE OR PARCEL OF LAND AND REAL ESTATE LYING IN THE E/2 NW/4 NE/4 OF SECTION 31, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.

BEGINNING AT THE NORTHEAST CORNER OF THE PARCEL, WHENCE THE NORTHEAST CORNER OF SECTION 31, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M. BEARS N70°10'18"E, A DISTANCE OF 1468.25 FEET;  
THENCE N69°04'29"W A DISTANCE OF 384.92 FEET TO THE NORTHWEST CORNER OF THE PARCEL;  
THENCE S36°58'51"W A DISTANCE OF 285.08 FEET TO THE SOUTHWEST CORNER OF THE PARCEL;  
THENCE S54°06'33"E A DISTANCE OF 520.07 FEET TO THE SOUTHEAST CORNER OF THE PARCEL;  
THENCE N15°30'54"E A DISTANCE OF 410.09 FEET TO THE NORTHEAST CORNER OF THE PARCEL, THE POINT OF BEGINNING;  
CONTAINING 3.505 ACRES MORE OR LESS.

**GENERAL NOTES**

1.) THE INTENT OF THIS SURVEY IS TO ACQUIRE A BUSINESS LEASE FOR THE PURPOSE OF BUILDING A FRAC POND

2.) BASIS OF BEARING IS NEW MEXICO STATE PLANE EAST ZONE (FEET) MODIFIED TO SURFACE COORDINATES

DRIVING DIRECTIONS: FROM STATE HWY 128 AND PAVED CR. #1 (ORLA ROAD) GO SOUTH ON CR #1 8.2 MILES, TURN LEFT ON CALICHE ROAD AND GO EAST 2.8 MILES, BEND RIGHT AND GO SOUTHEAST 0.7 MILES, BEND LEFT AND GO EAST 0.55 MILES, TURN LEFT AND GO NORTH 0.25 MILES AND THE NORTHEAST CORNER OF FRAC POND IS 60' ON THE LEFT (WEST).

**SURVEYOR CERTIFICATE**

I, FILMON F. JARAMILLO, A NEW MEXICO PROFESSIONAL SURVEYOR NO. 12797, HEREBY CERTIFY THAT I HAVE CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY, AND P. 32°05'34.29"N MEET THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO.

IN WITNESS WHEREOF THIS CERTIFICATE IS EXECUTED AT CARLSBAD,

NEW MEXICO, THIS 20 DAY OF OCTOBER, 2012

FILMON F. JARAMILLO, PLS. 12797  
301 SOUTH CANAL  
(575) 234-3341

MADRON SURVEYING, INC.  
201 SOUTH CANAL  
CARLSBAD, NEW MEXICO 88220  
Phone (575) 234-3341

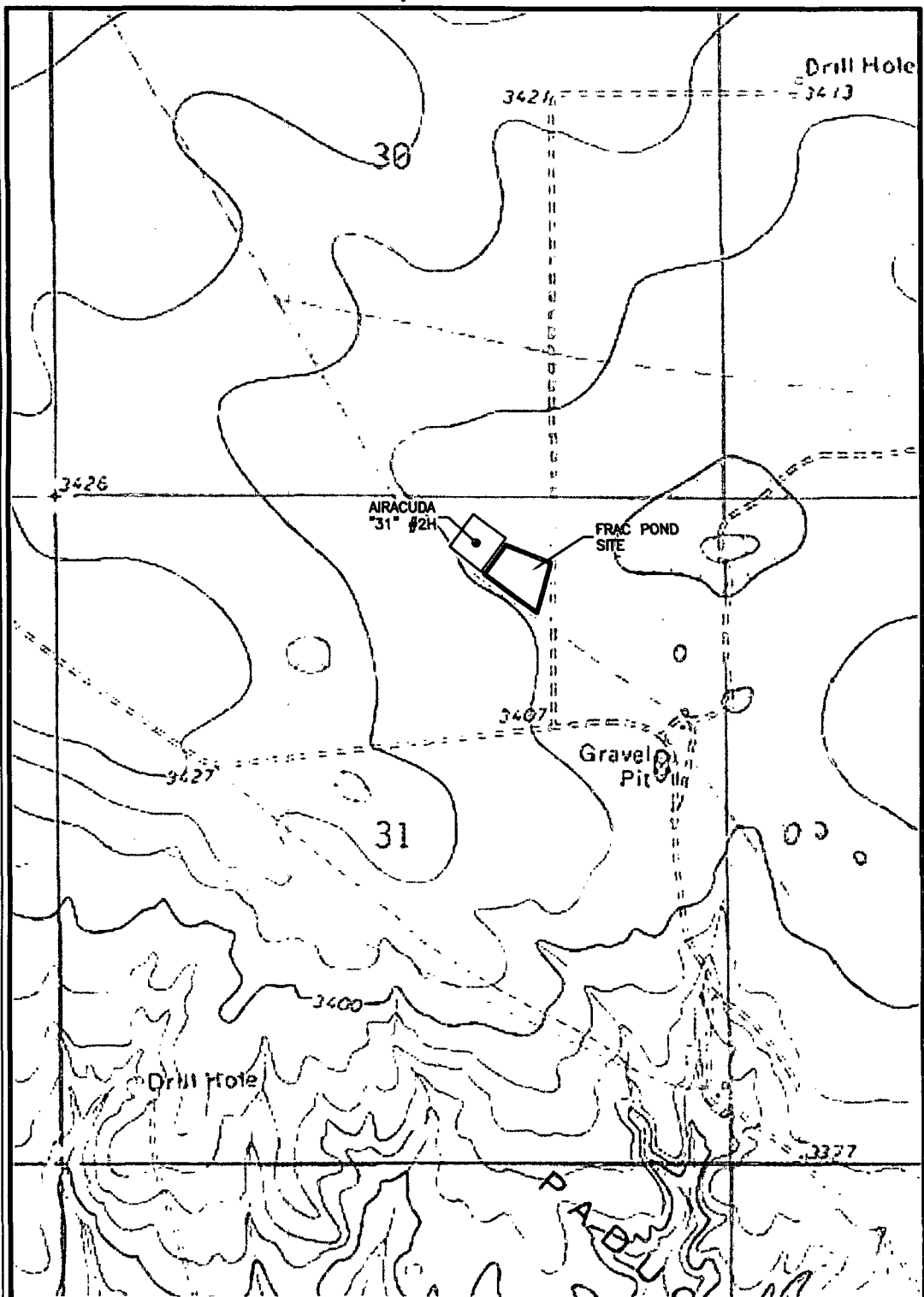
SURVEY NO. 547A

**MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO**

COG OPERATING, LLC  
AIRACUDA FRAC POND  
IN THE E/2 NW/4 NE/4 OF  
SECTION 31, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
32°05'34.29"N, 103°36'29.61"W

OCTOBER 20, 2012

QUAD MAP



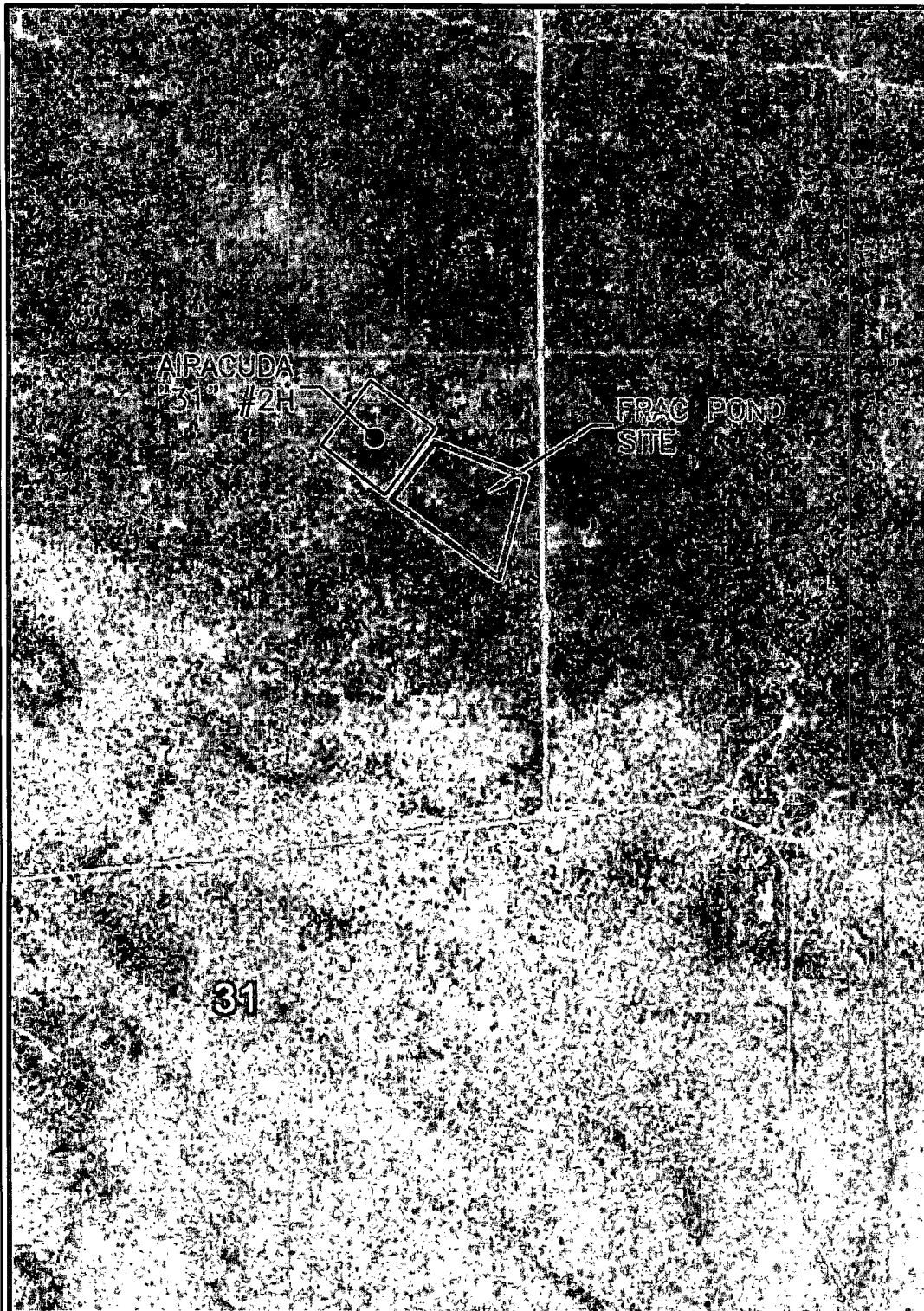
MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SURVEY NO. 547A

COG OPERATING, LLC  
AIRACUDA FRAC POND  
IN THE E/2 NW/4 NE/4 OF  
SECTION 31, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.  
LEA COUNTY, STATE OF NEW MEXICO  
32°05'34.29"N, 103°36'29.61"W

OCTOBER 20, 2012

AERIAL PHOTO



MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SURVEY NO. 547A

**BLM LEASE NUMBER:** NMNM122620  
**COMPANY NAME:** COG Operating, LLC  
**ASSOCIATED WELL NO. & NAME:** Airacuda 31 Federal #2H

**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 not be used for constructing the frac pond. 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 type="checkbox"/> seed mixture 1            | <input type="checkbox"/> seed mixture 3      |
| <input checked="" 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 6 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:

**Lesser Prairie Chicken COAs**

Oil and gas activities will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations; and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.