

Ln

Form 3160-3  
8-10-01 (10/04)  
**RECEIVED**  
JUN 18 2010  
NMOCD ARTESIA

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**OCD-ARTESIA**

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

**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  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
COG Operating LLC

3a. Address  
550 W. Texas Ave., Suite 1300 Midland, TX 79701

3b. Phone No. (include area code)  
432-685-4340

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SECTION 26, 16S, R29E

5. Lease Serial No  
SL:NMNM118710 BHL:NMNM 97874

6. If Indian, Allottee or Tribe Name  
N/A

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

8. Well Name and No.  
HIGH LONESOME LEASE

9. API Well No.  
30-015-35894

10. Field and Pool, or Exploratory Area  
WILDCAT: WOLFCAMP

11. County or Parish, State  
EDDY, 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 Request to construct
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Frac Pit
	<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 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.)

COG Operating LLC respectfully requests permission to construct a frac pit on the HIGH LONESOME LEASE

A plat of the proposed location and drawing of the frac pit are attached for your review.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed) Phyllis A. Edwards Title Permitting Tech

Signature *Phyllis A. Edwards* Date 05/21/2010

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

Approved by /s/ Don Peterson Title FIELD MANAGER Date JUN 14 2010

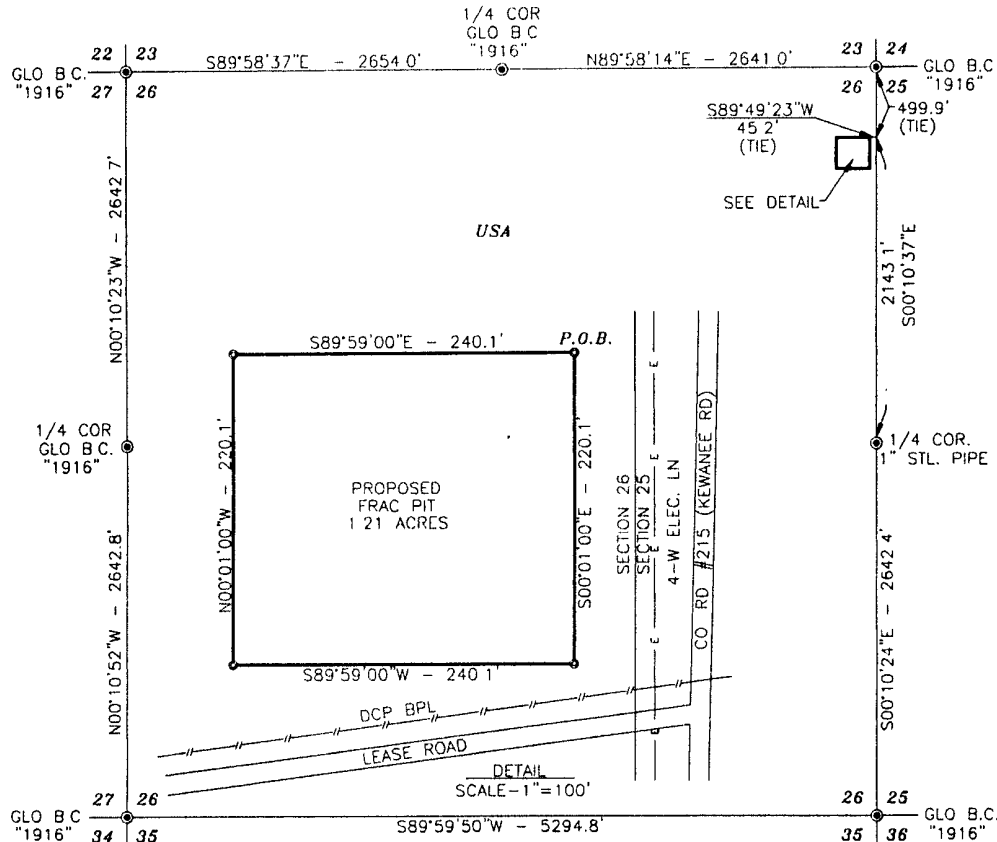
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office CARLSBAD FIELD OFFICE

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 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)

*[Handwritten signature]*

SECTION 26, TOWNSHIP 16 SOUTH, RANGE 29 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO



**DESCRIPTION**

A TRACT OF LAND LOCATED IN THE NORTHEAST QUARTER OF SECTION 26, TOWNSHIP 16 SOUTH, RANGE 29 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

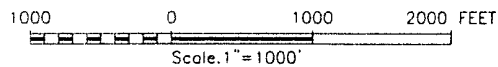
BEGINNING AT THE NORTHEAST CORNER OF THIS TRACT, WHICH LIES S00°10'37\"E ALONG THE EAST LINE OF SAID SECTION A DISTANCE OF 499.9 FEET AND S89°49'23\"W 45.2 FEET FROM THE NORTHEAST CORNER OF SAID SECTION; THEN S00°01'00\"E 220.1 FEET, THEN S89°59'00\"W 240.1 FEET, THEN N00°01'00\"W 220.1 FEET; THEN S89°59'00\"E 240.1 FEET TO THE POINT OF BEGINNING AND CONTAINING 1.21 ACRES MORE OR LESS

**LEGEND**

- - DENOTES FOUND MONUMENT AS NOTED
- - DENOTES 1/2\" STL ROD W/CAP MKD \"JWSC PS 12641\"

NOTE BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM \"NEW MEXICO EAST ZONE\" NORTH AMERICAN DATUM 1983 DISTANCES ARE SURFACE VALUES

I HEREBY CERTIFY THAT I DIRECTED 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 PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO



RONALD J. EDSON, N.M.P.S. No. 3239

PROVIDING SURVEYING SERVICES SINCE 1946

**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO  
HOBBS, N.M. 88240  
(575) 393-3117

**COG OPERATING, LLC**

SURVEY OF A TRACT OF LAND SITUATED IN NE/4 SECTION 26, TOWNSHIP 16 SOUTH, RANGE 29 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date 4/14/10	Sheet 1 of 1 Sheets
W.O. Number 10110548	Drawn By: LA
Date 4/23/10	10110548

**BLM LEASE NUMBER:**  
**COMPANY NAME: COG Operating**  
**ASSOCIATED WELL NO. & NAME: High Lonesome Section 26**

**FRAC POND CONDITIONS OF APPROVAL**

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

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

1. The BLM shall administer compliance and monitor construction of the frac pond. Notify Jim Amos (575-234-5909) at least 3 working days prior to commencing construction of the frac pond.
2. The operator shall stockpile the topsoil in a low profile manner in order to prevent wind/water erosion of the topsoil. The topsoil to be stripped is approximately 6 inches in depth. The topsoil shall not be used for constructing the berms of the frac pond and will be used for final reclamation.
3. 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.
4. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated.
5. The frac pond will only be authorized to contain freshwater and testing of water quality is required during the life of the frac pond. The Authorized Officer may ask the operator to sample water quality of the frac pond at any time during the life of the frac pond. 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. Reclamation efforts will then commence. Otherwise, reclamation efforts will commence immediately after the frac pond is no longer needed for the purpose of completing the wells. 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. Upon failure of holder to control, dispose of, or clean up such discharge, or to repair all damages resulting therefrom, 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.
5. All construction and maintenance activity should be confined to the authorized area to avoid excess disturbance.
6. If other wells, not mentioned in the current Sundry Notice, need to be serviced by the frac pond, a separate Sundry Notice needs to be submitted to the appropriate BLM office.

7. Mineral materials extracted during construction of the frac pond shall not be used for surfacing the well pad or access road or other facilities. All mineral material extracted shall only be used for constructing the frac pond or stored adjacent to the frac pond.

8. The frac pond will be lined. The frac pond shall be constructed so that upon completion of drilling operations the plastic lining will be removed.

9. The frac pond shall be fenced on all sides.

10. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

11. Seeding is required and will be done according to the attached seeding requirements, using the following seed mix.

<input checked="" type="checkbox"/> ( x ) seed mixture 1	<input type="checkbox"/> ( ) seed mixture 3
<input type="checkbox"/> ( ) seed mixture 2	<input type="checkbox"/> ( ) seed mixture 4

12. All above-ground structures not subject to safety requirements shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2.

13. 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.

14. 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.

15. 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.

16. When the frac pond is no longer stimulating wells, reclamation shall commence. The plastic liner shall be removed before any earthwork begins. Any associated pipelines shall be removed as well. All disturbed areas and erosion caused by the frac pond, pipelines or other infrastructure will be reclaimed. Earthwork for final reclamation must be completed within three (3) months of final well completion. The frac pond location must be reclaimed to a satisfactory revegetated,

safe, and stable condition. After all disturbed areas have been satisfactorily prepared; these areas need to be revegetated with the seed mixture provided. Seeding may need to be repeated until revegetation is successful. Operators shall contact a BLM surface protection specialist prior to surface reclamation operations for site specific objectives (Jim Amos: 575-234-5909).

17. Special Stipulations Special Stipulations for Lesser prairie-chickens: All construction activities will be restricted to the hours of 9:00 am through 3:00 am for the period of March 1st through June 15th. No construction activities will be allowed between 3:00 am and 9:00 am.

OCD-ARTESIA

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

## SUNDRY NOTICES AND REPORTS ON WELLS

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1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
COG Operating LLC3a Address  
550 W. Texas Ave., Suite 1300 Midland, TX 797013b Phone No. (include area code)  
432-685-43404 Location of Well (Footage, Sec, T., R., M., or Survey Description)  
SECTION 26, 16S, R29E

5 Lease Serial No

SL:NMNM118710 BHL:NMNM 97874

6 If Indian, Allottee or Tribe Name

N/A

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

N/A

8. Well Name and No.

HIGH LONESOME LEASE

9 API Well No

10 Field and Pool, or Exploratory Area

WILDCAT: WOLFCAMP

11. County or Parish, State

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COG Operating LLC respectfully requests permission to construct a frac pit on the HIGH LONESOME LEASE

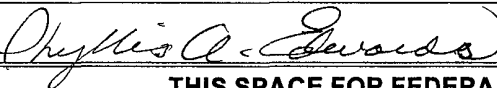
A plat of the proposed location and drawing of the frac pit are attached for your review.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Phyllis A. Edwards

Title Permitting Tech

Signature



Date

04/07/2010

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Is/ Don Peterson

FIELD MANAGER

Date

JUN 14 2010

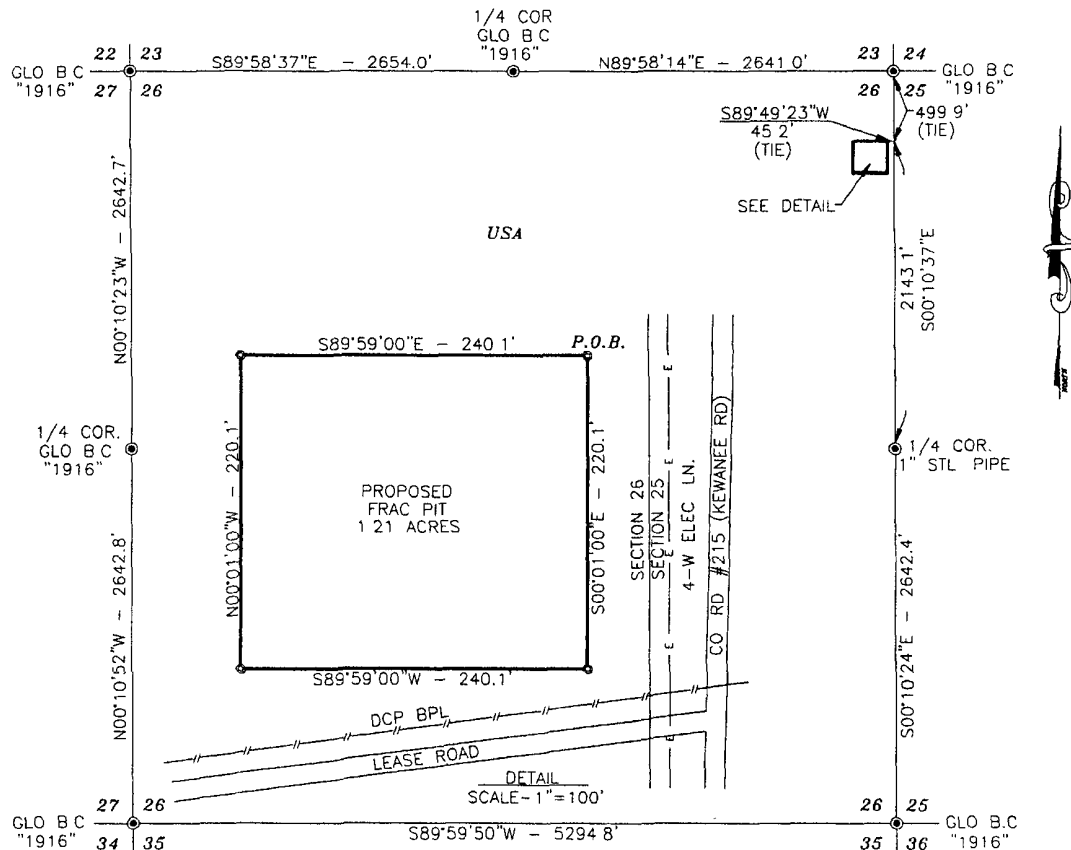
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Office CARLSBAD FIELD OFFICE

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(Instructions on page 2)

SECTION 26, TOWNSHIP 16 SOUTH, RANGE 29 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO



**DESCRIPTION**

A TRACT OF LAND LOCATED IN THE NORTHEAST QUARTER OF SECTION 26, TOWNSHIP 16 SOUTH, RANGE 29 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF THIS TRACT, WHICH LIES S00°10'37"E ALONG THE EAST LINE OF SAID SECTION A DISTANCE OF 499.9 FEET AND S89°49'23"W 45.2 FEET FROM THE NORTHEAST CORNER OF SAID SECTION; THEN S00°01'00"E 220.1 FEET; THEN S89°59'00"W 240.1 FEET, THEN N00°01'00"W 220.1 FEET, THEN S89°59'00"E 240.1 FEET TO THE POINT OF BEGINNING AND CONTAINING 1.21 ACRES MORE OR LESS

**LEGEND**

- - DENOTES FOUND MONUMENT AS NOTED
- - DENOTES 1/2" STL. ROD W/CAP MKD "JWSC PS 12641"

NOTE: BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

I HEREBY CERTIFY THAT I DIRECTED 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 PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

1000 0 1000 2000 FEET  
Scale 1"=1000'

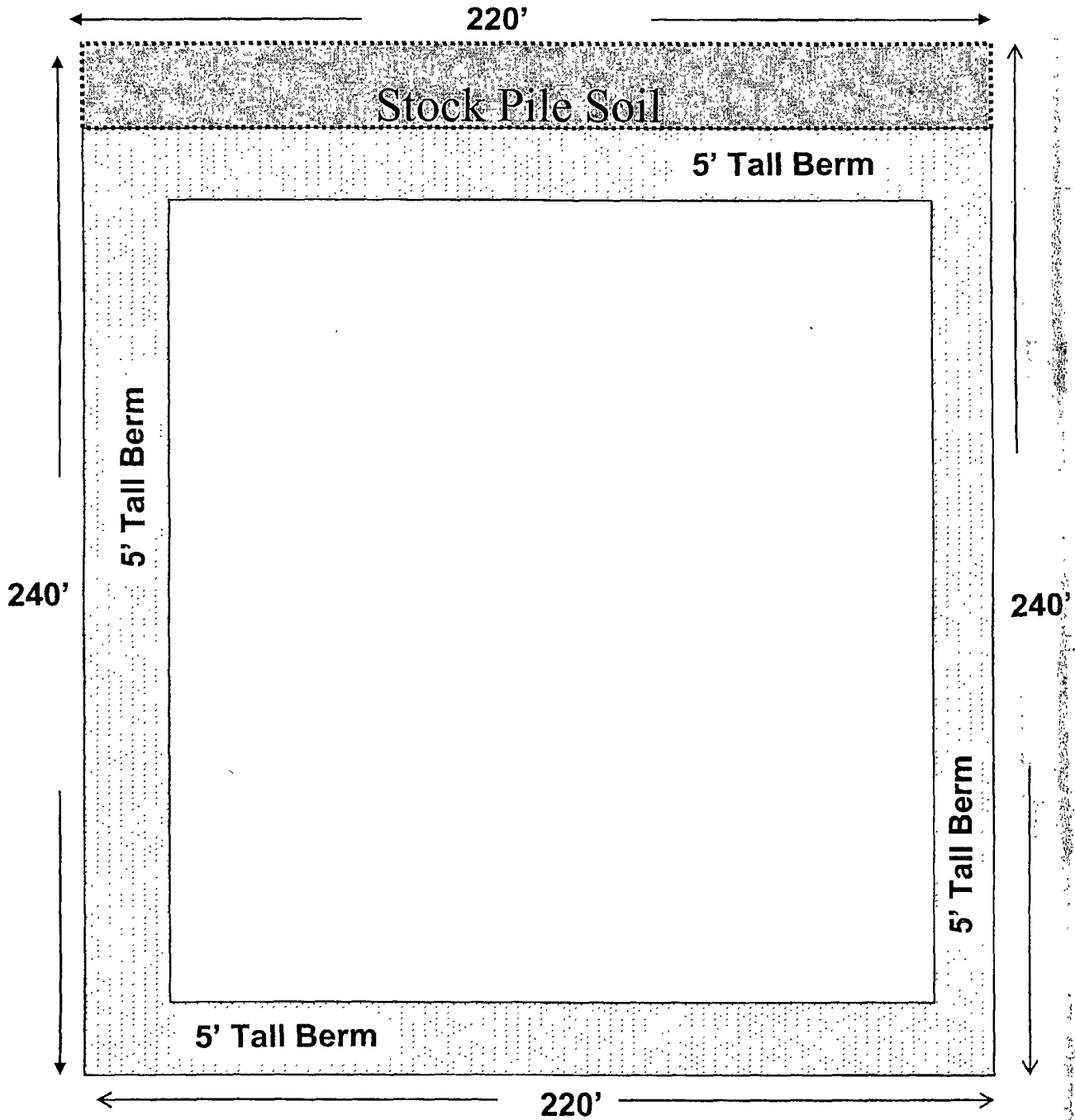
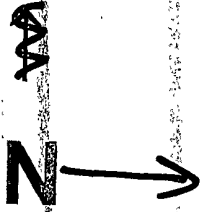
**COG OPERATING, LLC**

SURVEY OF A TRACT OF LAND SITUATED IN NE/4 SECTION 26, TOWNSHIP 16 SOUTH, RANGE 29 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date: 4/14/10	Sheet 1 of 1 Sheets
W O Number: 10 11.0548	Drawn By: LA
Date 4/23/10	10110548

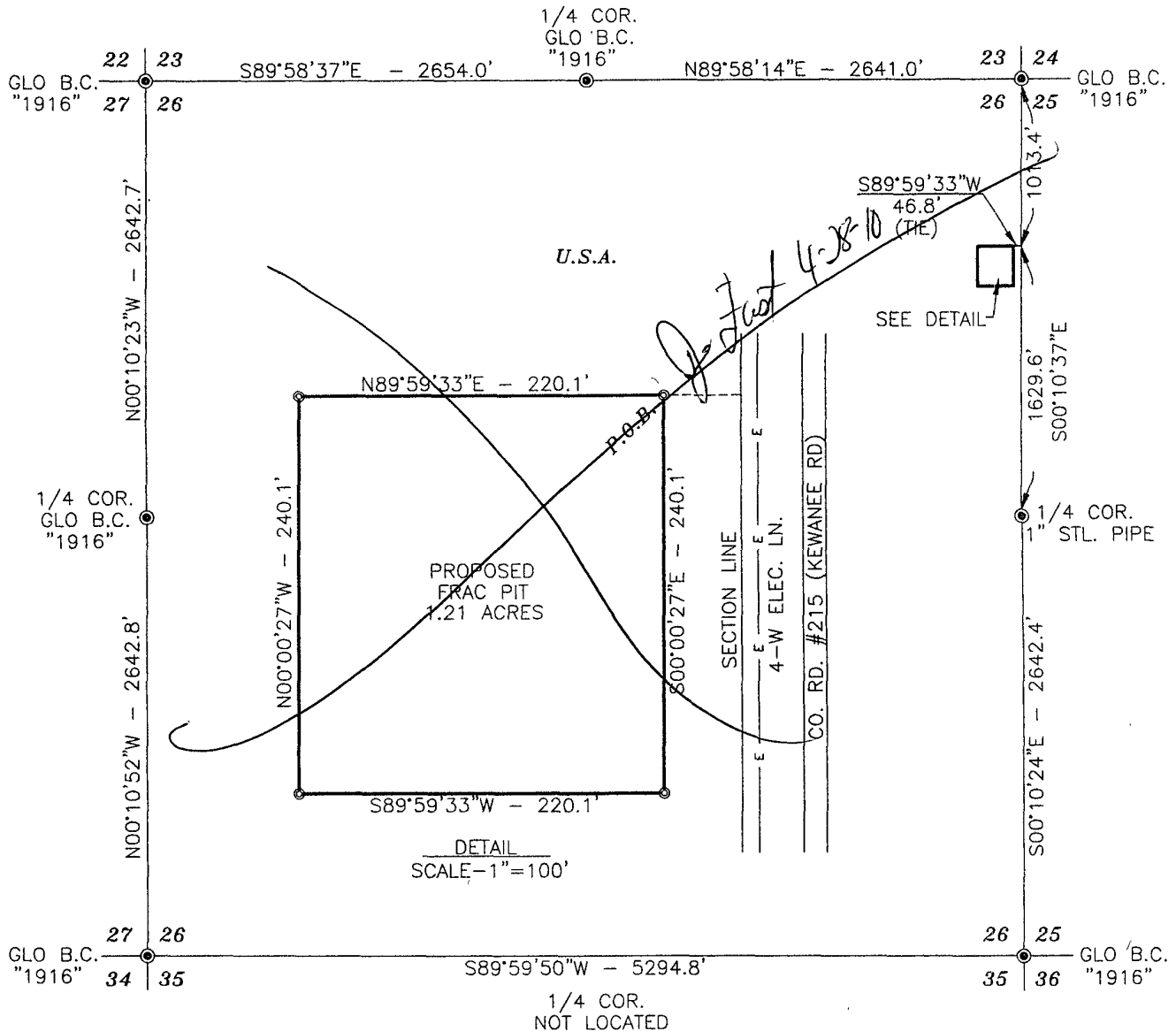
*Ronald J. Edson* 04/26/2010  
RONALD J. EDSON N.M.P.S. No. 3239  
PROVIDING SURVEYING SERVICES SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO  
HOBBS, N.M. 88240  
(575) 393-3117

**COG OPERATING LLC  
HIGH LONESOME FEDERAL LEASE  
FRAC PIT  
Section 26, T16S, R29E**





SECTION 26, TOWNSHIP 16 SOUTH, RANGE 29 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.



DESCRIPTION

A TRACT OF LAND LOCATED IN THE NORTHEAST QUARTER OF SECTION 26, TOWNSHIP 16 SOUTH, RANGE 29 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF THIS TRACT, WHICH LIES S00°10'37"E ALONG THE EAST LINE OF SAID SECTION A DISTANCE OF 1013.4 FEET AND S89°59'33"W 46.8 FEET FROM THE NORTHEAST CORNER OF SAID SECTION; THEN S00°00'27"E 240.1 FEET; THEN S89°59'33"W 220.1 FEET; THEN N00°00'27"W 240.1 FEET; THEN N89°59'33"E 220.1 FEET TO THE POINT OF BEGINNING AND CONTAINING 1.21 ACRES MORE OR LESS.

LEGEND

- - DENOTES FOUND MONUMENT AS NOTED
- ⊙ - DENOTES SET SPIKE NAIL

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1000 0 1000 2000 FEET  
Scale: 1"=1000'

COG OPERATING, LLC

SURVEY OF A TRACT OF LAND SITUATED IN  
SECTION 26, TOWNSHIP 16 SOUTH, RANGE 29 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date: 3/26/10	Sheet 1 of 1 Sheets
W.O. Number: 10.11.0430	Drawn By: LA
Date: 4/1/10	10110430

GARY G. EIDSON N.M. PROFESSIONAL No. 12641

