

COG OPERATING LLC
MULTI-POINT SURFACE USE AND OPERATIONS PLAN

HOBBS OCD

Lusk Deep Unit A #24H
SHL: 330' FNL & 660' FWL
BHL: 330' FSL & 660' FWL
Section 19 T19S R32E
Lea County, New Mexico

NOV 15 2012

EG 11-15-2012
RECEIVED

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

1. EXISTING ROADS:

- a. The well site and elevation plat for the proposed well are reflected on the well site layout; Form C-102. The well was staked by John West Surveying Company.
- b. Exhibit 2 is a portion of a topo map showing the well and roads in the vicinity of the proposed location. The proposed wellsite and the access route to the location are indicated in red on Exhibit 2. Right of way using this proposed route is being requested if necessary.
- c. Routine grading and maintenance of existing roads will be conducted as necessary to maintain their condition as long as any operations continue on this lease.

DIRECTIONS:

From the intersection of Co. Rd. #H126 (Maljamar Rd.) and Co. Rd. H126 (Lusk Plant Rd.) go west on Lusk Plant Rd. approx. 1.0 mile. Turn right and go north approx. 350 feet to the northwest corner of a existing well pad. Follow road survey north approx. 0.2 miles to the location.

PLANNED ACCESS ROAD:

COG will be using a proposed access road of 1107' coming in from the southeast side of the pad. The road width will be 14', crown design. 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 3 feet wide with 3:1 slopes.

2. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

In the event the well is found productive, the Lusk Deep Unit A #24H

- A. tank battery would be utilized and the necessary production equipment will be installed at the well site. See Exhibit #3.
- B. All flowlines will adhere to API standards

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8. PLANS FOR SURFACE RECLAMATION:

- a. After finishing drilling and/or completion operations, if the well is found non-commercial, the caliche will be removed from the pad and transported to the original caliche pit or used for other drilling locations. The road will be reclaimed as directed by the BLM. The original top soil will again be returned to the pad and contoured, as close as possible, to the original state.
- b. The location and road will be rehabilitated as recommended by the BLM.
- c. Caliche from areas of the pad site not required for operations will be reclaimed. The original top soil will be returned to the area of the drill pad not necessary to operate the well. These unused areas of the drill pad will be contoured, as close as possible, to match the original topography.

9. SURFACE OWNERSHIP:

The surface is owned by the US Government and is administered by the Bureau of Land Management. The surface is multiple use with the primary uses of the region for the grazing of livestock and the production of oil and gas. The proposed road routes and the surface location will be restored as directed by the BLM.

10. OTHER INFORMATION:

- a. The area surrounding the well site is grassland. The vegetation is moderately sparse with native prairie grass and mesquite bushes. No wildlife was observed but it is likely that deer, rabbits, coyotes, and rodents traverse the area.
- b. There is no permanent or live water in the general proximity of the location.
- c. If the well is deemed commercially productive, caliche from areas of the pad site not required for operations will be reclaimed. The original top soil will be returned to the area of the drill pad not necessary to operate the well. These unused areas of the drill pad will be contoured, as close as possible, to match the original topography. Reserve pit will not be used on this location therefore no reclamation is needed.
- d. Topsoil will be stockpiled on the WEST SIDE of the location until it is needed for interim reclamation described in paragraph above.

12. OPERATOR'S REPRESENTATIVE:

A. Through A.P.D. Approval:

Melanie Parker, Regulatory Coordinator
COG Operating LLC
Artesia, NM 88210
Phone (575)748-6940
Cell (432) 553-9834

B. Through Drilling Operations

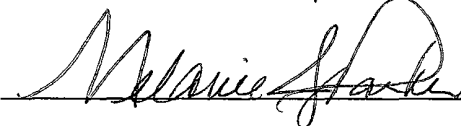
Sheryl Baker, Drilling Supervisor
COG Operating LLC
Artesia, NM 88210
Phone (575)748-6940
Cell (432)934-7873

COG Operating LLC
Lusk Deep Unit A #22H
Section 19-T19S-R32E

Operator Certification

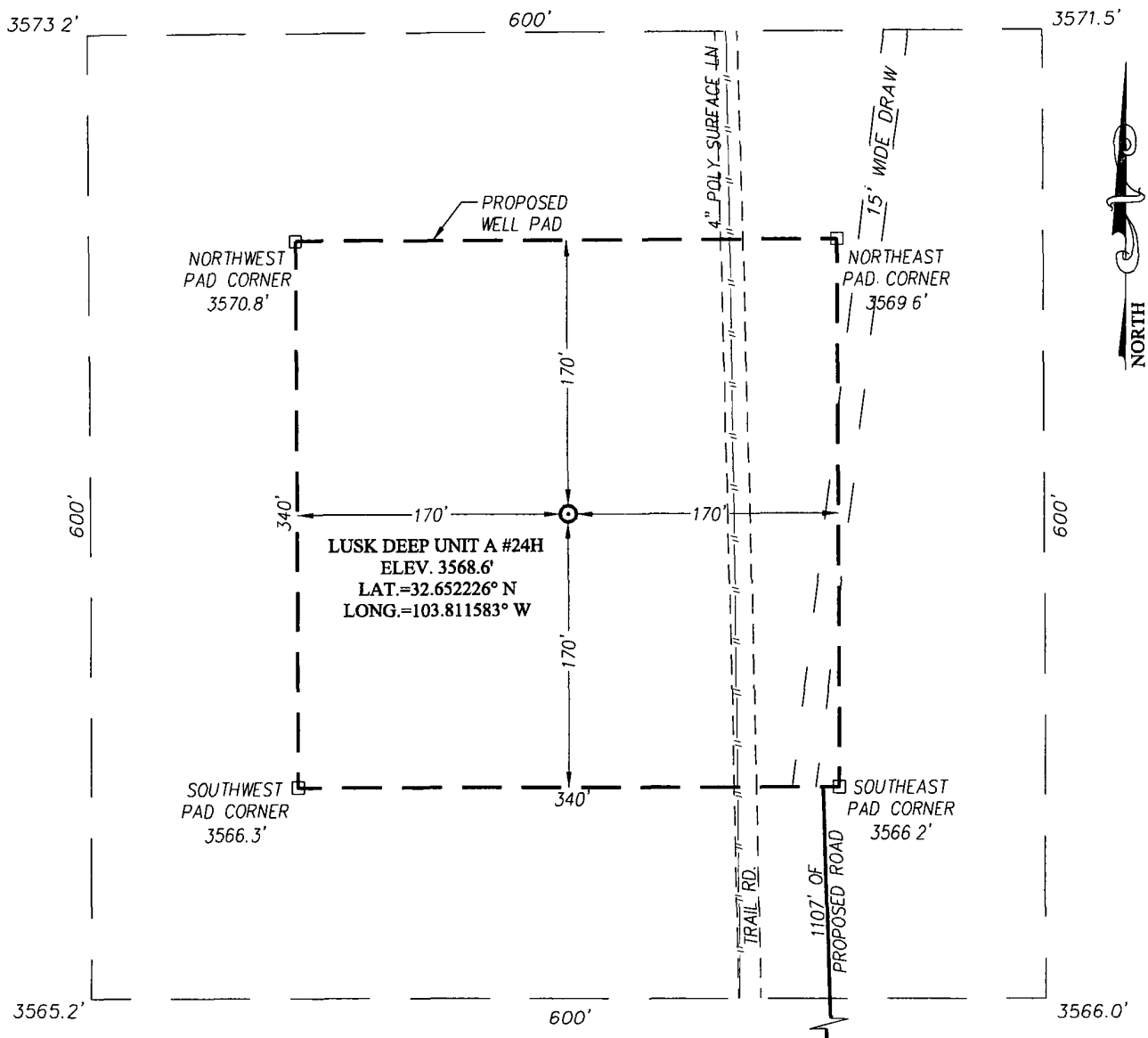
I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in the 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 21st day of September, 2011.

Signed: 

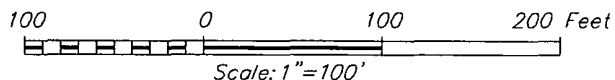
Name : Melanie Parker
Position Title: Regulatory Coordinator
Address: 2208 West Main Street, Artesia, NM 88210
Telephone: 575-748-6940

SECTION 19, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY **NEW MEXICO**



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CO. RD. #H126 (MALJAMAR RD.) AND CO. RD H126 (LUSK PLANT RD.), GO WEST ON LUSK PLANT RD. APPROX 1.0 MILE TURN RIGHT AND GO NORTH APPROX 350 FEET TO THE NORTHWEST CORNER OF A EXISTING WELL PAD. FOLLOW ROAD SURVEY NORTH APPROX 0.2 MILES TO THE LOCATION.



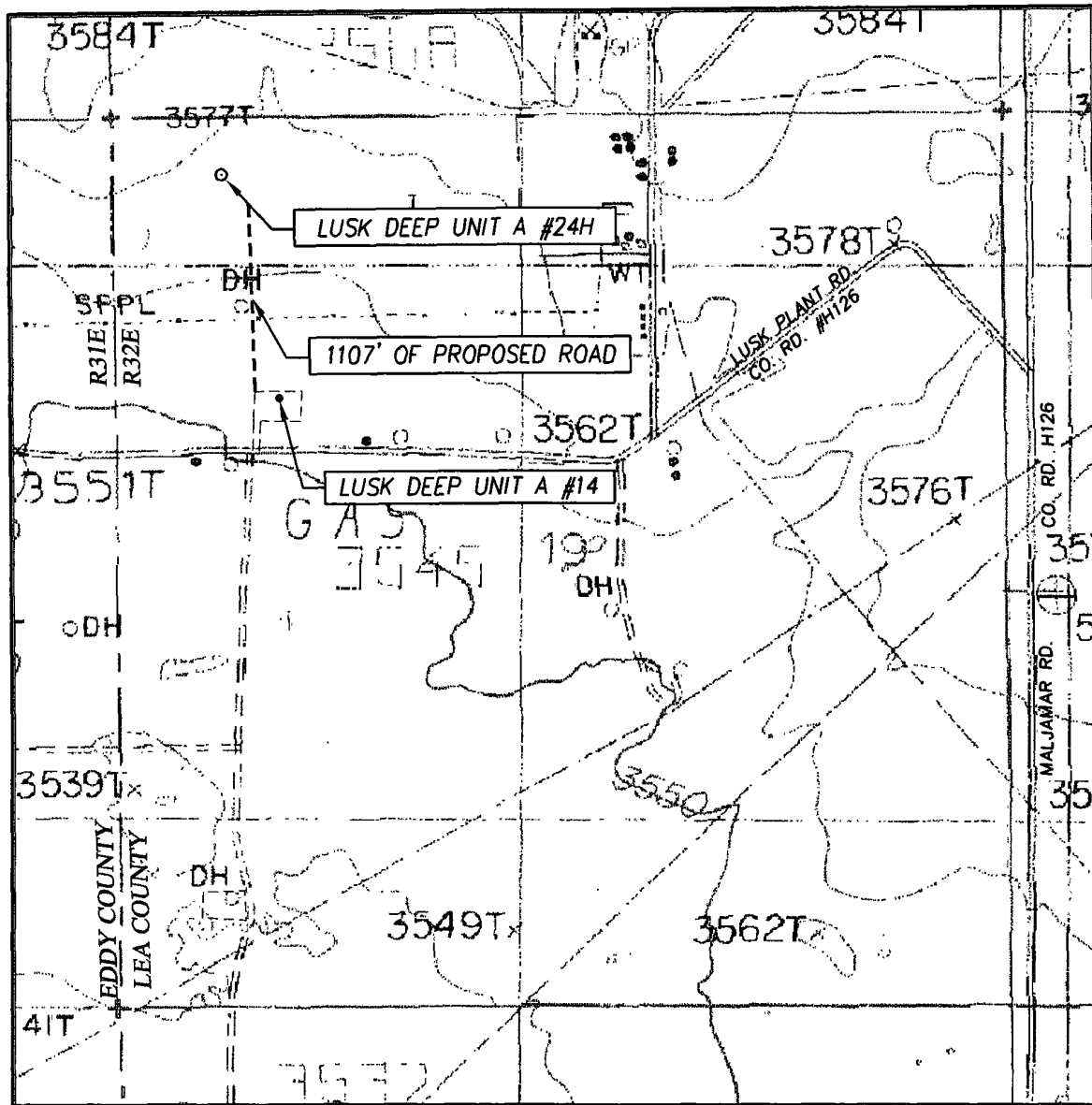
COG OPERATING, LLC

LUSK DEEP UNIT A #24H WELL
LOCATED 330 FEET FROM THE NORTH LINE
AND 660 FEET FROM THE WEST LINE OF SECTION 19,
TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

PROVIDING SURVEYING SERVICES
 SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N DAL PASO
 HOBBS, N.M 88240
 (575) 393-3117 www.jwsc.biz

Survey Date: 5/24/12	CAD Date: 6/7/12	Drawn By: AF
W.O. No: 12110952	Rev:	Rel. W.O:
		Sheet 1 of 1

LOCATION VERIFICATION MAP



SCALE: 1" = 1000'

CONTOUR INTERVAL:
GREENWOOD LAKE, N.M. - 10'

SEC. 19 TWP. 19-S RGE 32-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

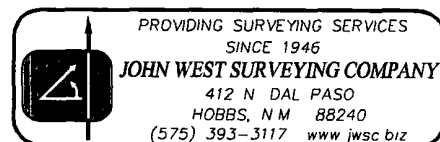
DESCRIPTION 330' FNL & 660' FWL

ELEVATION 3569'

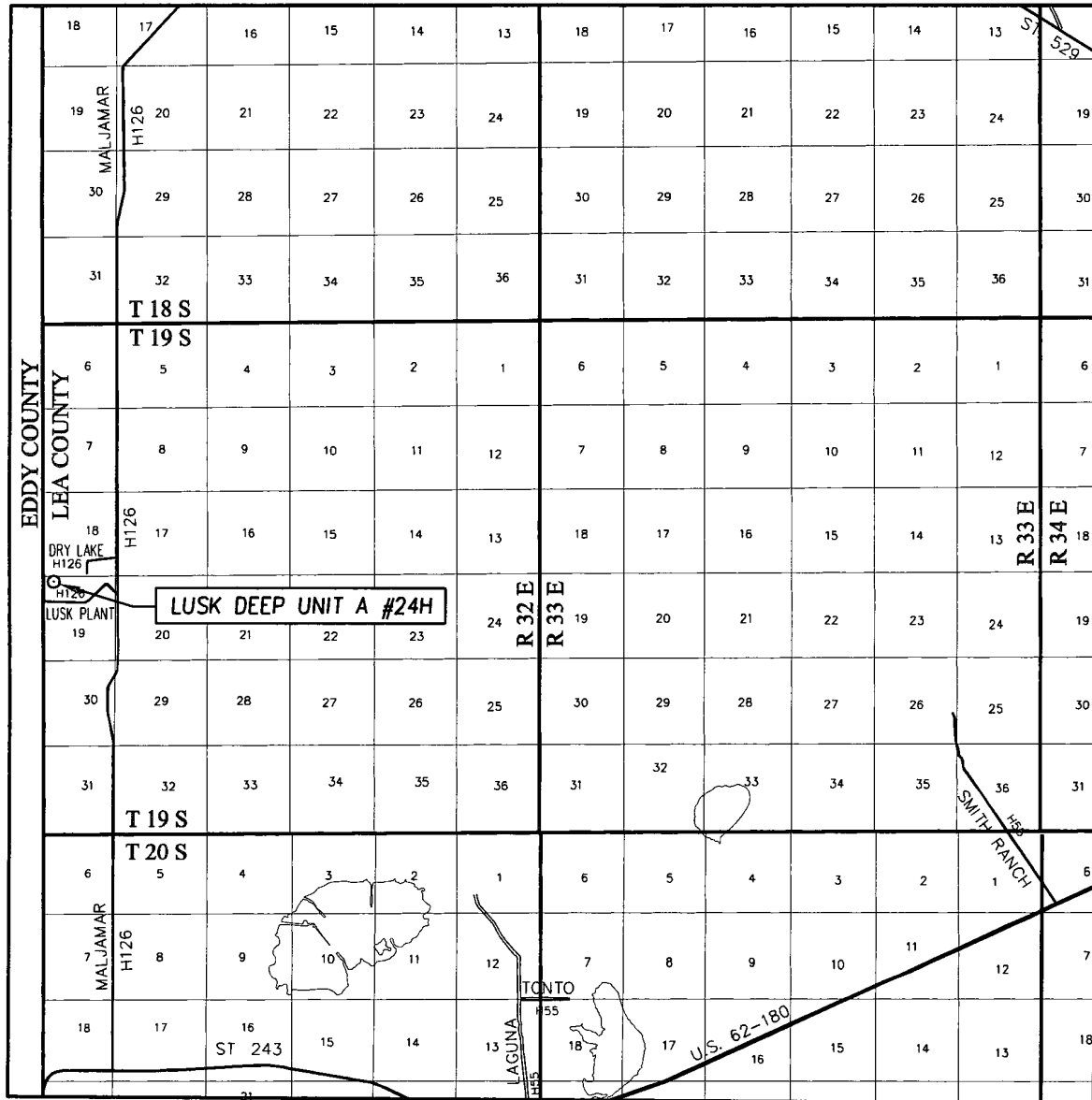
OPERATOR COG OPERATING, LLC

LEASE LUSK DEEP UNIT A

U.S.G.S. TOPOGRAPHIC MAP
GREENWOOD LAKE, N.M.



VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 19 TWP. 19-S RGE. 32-E
 SURVEY N.M.P.M
 COUNTY LEA STATE NEW MEXICO
 DESCRIPTION 330' FNL & 660' FWL
 ELEVATION 3569'
 OPERATOR COG OPERATING, LLC
 LEASE LUSK DEEP UNIT A

