

30-025-40259

EOG RESOURCES, INC.  
ENDURANCE 36 STATE COM NO. 3H

HOBBS OCD

SURFACE USE PLAN OF OPERATION

AUG 29 2011

SHL: 330' FSL & 365' FWL, Unit E, Section 36, T26S-R33E, N.M.P.M., Lea, NM  
BHL: 330' FNL & 365' FWL, Unit D, Section 25, T26S-R33E, N.M.P.M., Lea, NM

RECEIVED

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 Terry Asel, RPL 15079.
- b. All roads into the location are depicted on Exhibit 2 and 2a.
- c. Directions to Locations: Beginning in Jal, NM at the intersection of N.M. State Hwy 128 and Hwy 18, go west on Hwy 128 for 14.1 miles to County Road 2 (Battle Ax Road), turn left and go south/southwest for 13.3 miles, turn left on Pipeline Road and go SE for 0.8 miles, turn left and go south and east on lease road for 1.4 miles, turn right and go south for 4.4 miles to location.

2. NEW OR RECONSTRUCTED ACCESS ROAD:

- a. The well site layout, Exhibit 2a shows the layout. No new roads required.

3. LOCATION OF EXISTING WELLS:

Exhibit #3 shows all existing wells within a one-mile radius of this well.

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

- a. In the event the well is found to be productive, operator shall lay a 2 7/8" production line to the existing Endurance 36 State Com 1H which will serve as a CTB for this well location. No production facility on location.
- b. As a proposed oil well, operator shall construct a power line as depicted by Exhibit 5. The proposed power line is alongside the existing road and less than 150' from the edge of well pad.
- c. Pipelines will adhere to API standards. Applicant will lay a 2 7/8" surface steel Gas/Oil/SWD Production Pipeline to the Endurance 36 State Com 1H a distance of 7,753'; See Exhibit 5. Applicant shall construct a 4" surface poly Gas Lift Pipeline as depicted by Exhibit 5 a distance of 4,629'.
- d. Refer to b above.
- e. If the well is productive, rehabilitation plans are as follows:
  - i. The location shall be reduced on all four sides of the location as depicted by the Production Facilities Layout. The interim reclamation will be performed when optimal conditions exist during the growing season as per the interim reclamation guidelines of the BLM.

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- ii. The original topsoil from the well site will be returned to the location. The location will be contoured as close as possible to match the original topography.

**5. LOCATION AND TYPE OF WATER SUPPLY:**

This location will be drilled using a combination of water mud systems (outlined in the drilling program). The water will be obtained from commercial water stations in the area and hauled to location by transport truck using existing and proposed roads shown in Exhibit 2 and 2a. On occasion, water will be obtained from existing water wells. In these cases where a poly pipeline is used to transport water for drilling purposes, proper authorizations will be secured. If poly pipeline is used to transport fresh water to the location, proper authorization will be secured by the contractor.

**6. CONSTRUCTION MATERIALS**

Obtaining Mineral Material – Caliche utilized for the drilling pad and proposed access road will be obtained either from an existing approved pit, or by benching into a hill which will allow the pad to level with existing caliche from cut, or extracted by “flipping” the location. A caliche permit shall be obtained from the BLM prior to excavating any caliche on Federal Lands. Amount will vary for each pad. The procedure for “flipping” the location is as follows:

1. An adequate amount of topsoil for final reclamation will be stripped from the well location surface and stockpiled along the edge of the location as shown in the well site layout.
2. An area will be used within the proposed well site to excavate caliche.
3. The subsoil will then be removed and stockpiled within the footages of the well location.
4. Once caliche/mineral material is found, the material will be excavated and stockpiled within the footages of the well location.
5. The subsoil will then be placed back in the excavated hole.
6. Caliche/mineral material will then be placed over the entire pad and/or road to be compacted.

In the event that caliche is not found on site, a permit will be acquired if caliche is obtained from a BLM approved caliche pit

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**7. METHODS OF HANDLING WASTE MATERIALS**

- a. Drill cuttings shall be disposed of in a steel cuttings bin (catch tanks) on the drilling pad (behind the steel mud tanks). The bin and cuttings shall be hauled to an approved cuttings dumpsite.  
At the site, the cuttings shall be removed from the bin & the bin shall be returned to the drilling site for reuse.
- b. All trash, junk, and other waste material shall be contained in trash cages or trash bins to prevent scattering. When a job is completed, all contents shall be removed and disposed of in an approved landfill.
- c. The supplier, including broken sacks, shall pick up salts remaining after completion of well.
- d. If necessary, a porto-john shall be provided for the rig crews. This equipment shall be properly maintained during the drilling and completion operations and shall be removed when all operations are complete.
- e. Remaining drilling fluids shall be hauled off by transports to a state approved disposal site. Water produced during completion shall be put in storage tanks and disposed of in a state approved disposal. Oil and condensate produced shall be put in a storage tank and sold.
- f. Disposal of fluids to be transported by the following companies:
  - i. RGB TRUCKING
  - ii. LOBO TRUCKING
  - iii. I & W TRUCKING
  - iv. CRANE HOT OIL & TRANSPORT
  - v. JWS
  - vi. QUALITY TRUCKING

**8. ANCILLARY FACILITIES:**

- a. No airstrip, campsite, or other facilities will be built.

**9. WELL SITE LAYOUT:**

- a. Exhibit 4 shows the proposed location of reserve and sump pits, living facilities and well site layout with dimensions of the pad layout.
- b. Mud pits in the active circulating system shall be steel pits and the catch tanks shall be steel tanks set in shallow sumps behind the steel circulating tanks and sumps.

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- c. The area where the catch tanks are placed shall be reclaimed and the surface vegetation restored to as or near the same condition that existed prior to operations.

**10. PLANS FOR SURFACE RECLAMATION:**

- a. After concluding the drilling and/or completion operations, if the well is found non-commercial, the caliche shall be removed from the pad and transported to the original caliche pit or used for other drilling locations and roads. The road shall be reclaimed and the surface vegetation restored to as or near the same condition that existed prior to operations. The catch tank area shall be broken out and leveled after drying to a condition where these are feasible. The original topsoil shall again be returned to the pad and contoured, as close as possible, to the original topography.
- b. After the well is plugged and abandoned, the location and road shall be reclaimed and the surface vegetation restored to as or near the same condition that existed prior to operations.
- c. If the well is deemed commercially productive, the catch tank area shall be restored as described in 4(e)(i). Caliche from areas of the pad site not required for operations shall be reclaimed. The original topsoil shall be returned to the area of the drill pad not necessary to operate the well. These unused areas of the drill pad shall be contoured, as close as possible, to match the original topography.

**11. SURFACE OWNERSHIP**

The surface is owned by the State of New Mexico. The surface is multiple use with the primary uses of the region for the grazing of livestock and the production of oil and gas.

**12. OTHER INFORMATION:**

- a. The area surrounding the well is mesquite and tar brush. The topsoil is sandy in nature. The vegetation is moderately sparse with native prairie grass, cactus and shinnery oak. No wildlife was observed but it is likely that deer, rabbits, coyotes, birds and rodents transverse the area.
- b. There are not dwellings within 2 miles of location.
- c. Applicant shall use Boone Arch surveys.

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**13. BOND COVERAGE:**

- a. Bond Coverage is Nationwide; Bond No. NM 2308

**COMPANY REPRESENTATIVES:**

Representatives responsible for ensuring compliance of the surface use plan are listed below:

Land and Right of Way

Mr. Donny G. Glanton  
Senior Lease Operations ROW Representative  
EOG Resources, Inc.  
P.O. Box 2267  
Midland, TX 79702  
(432) 686-3642 Office  
(432) 770-0602 Cell

Drilling

Mr. Steve Munsell  
Drilling Engineer  
EOG Resources, Inc.  
P.O. Box 2267  
Midland, TX 79702  
(432) 686-3609 Office  
(432) 894-1256 Cell

Operations

Mr. Howard Kemp  
Production Manager  
EOG Resources, Inc.  
P.O. Box 2267  
Midland, TX 79702  
(432) 686-3704 Office  
(432) 634-1001 Cell

Regulatory

Mr. Stan Wagner  
Regulatory Analyst  
EOG Resources, Inc.  
P.O. Box 2267  
Midland, TX 79702  
(432) 686-3689 Office

## **OPERATOR CERTIFICATION**

I 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 that presently 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 25<sup>th</sup> day of April 2011.

Name: Donny G. Glanton

Position: Sr. Lease Operations ROW Representative

Address: P.O. Box 2267 Midland, TX 79705

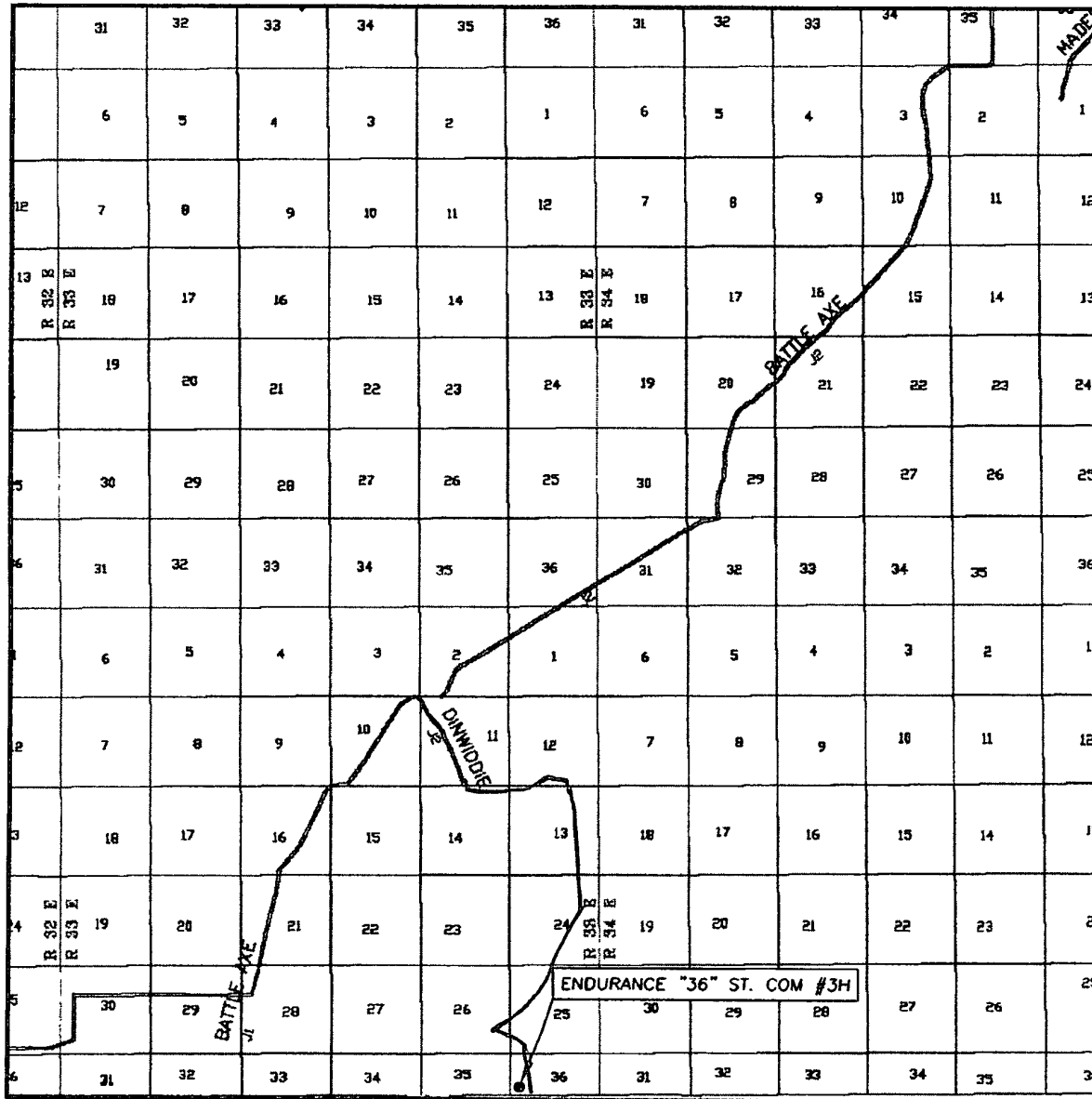
Telephone: 432-686-3642

Email: donny\_glanton@eogresources.com

Signed: \_\_\_\_\_



# VICINITY MAP

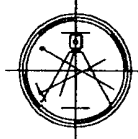


SEC. 36 TWP. 26-S RGE. 33-E  
 SURVEY N.M.P.M.  
 COUNTY LEA  
 DESCRIPTION 330' FSL & 365' FWL  
 ELEVATION 3335.1'  
 OPERATOR EOG RESOURCES, INC.  
 LEASE ENDURANCE "36" ST. COM #3H

SCALE: 1" = 2 MILES

Asel Surveying

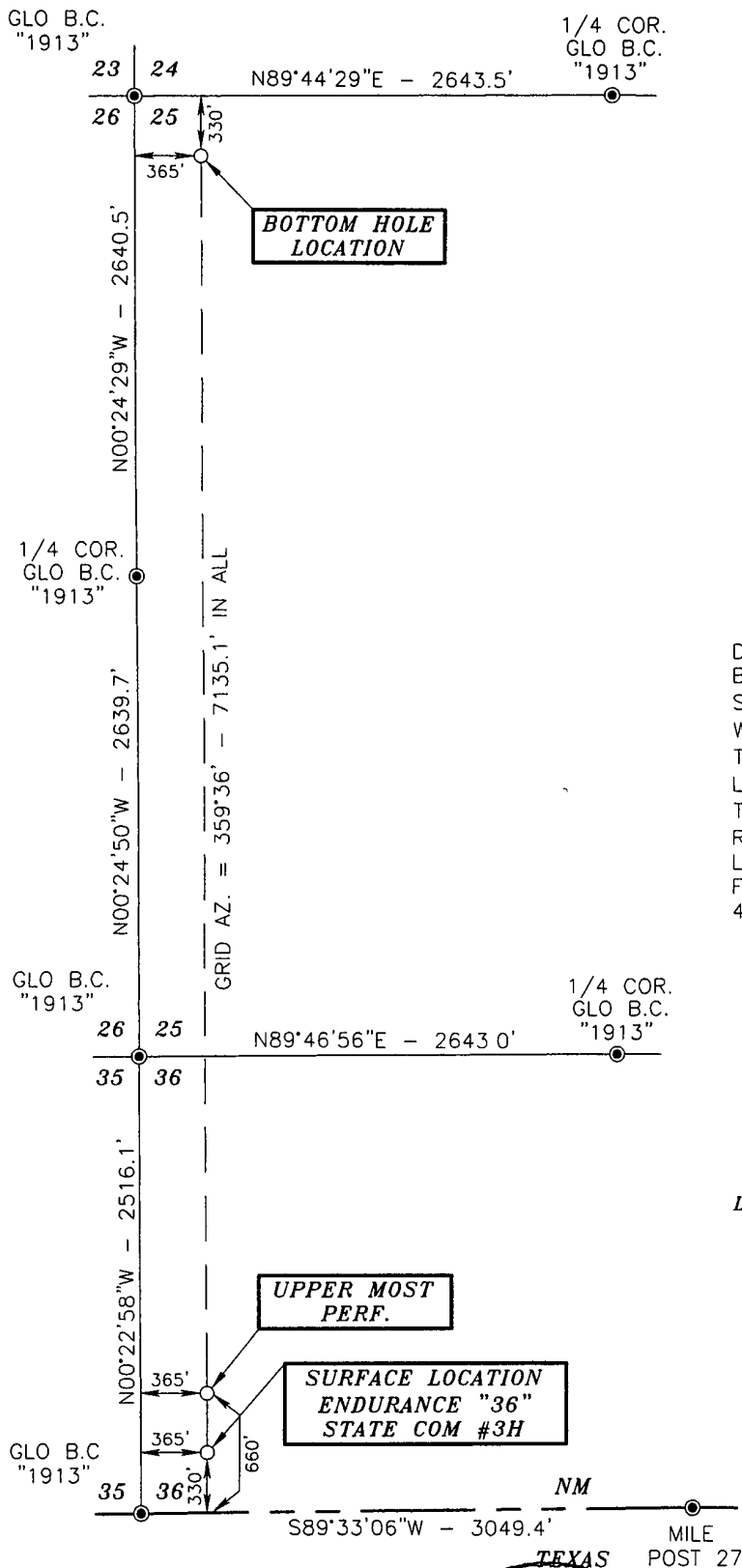
P.O. BOX 393 - 310 W. TAYLOR  
 HOBBS, NEW MEXICO - 575-393-9146



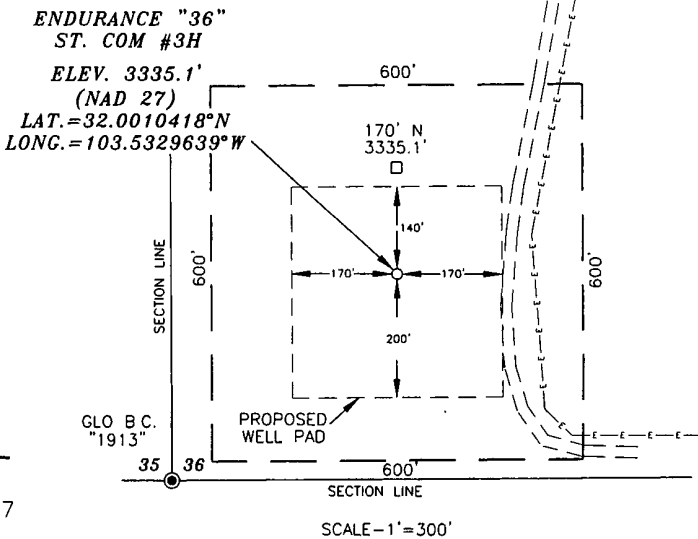
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SECTIONS 36 & 25, TOWNSHIP 26 SOUTH, RANGE 33 EAST, N.M.P.M.,  
LEA COUNTY  
NEW MEXICO

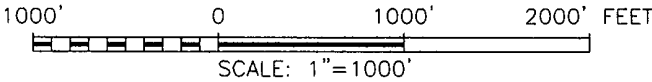
Exhibit 2a



DIRECTIONS:  
BEGINNING IN JAL AT THE INTERSECTION OF N.M. STATE HWY. #18 AND N.M. STATE HWY. #128, GO WEST ON N.M. STATE HWY. #128 FOR 14.1 MILES TO COUNTY ROAD #2 (BATTLE AXE ROAD), TURN LEFT AND GO SOUTH/SOUTHWEST FOR 13.6 MILES, TURN LEFT ON LEA CO. ROAD #J2 (DINWIDDIE ROAD) AND GO SOUTHEAST FOR 0.8 MILES, TURN LEFT AND GO SOUTH AND EAST ON LEASE ROAD FOR 1.4 MILES, TURN RIGHT AND GO SOUTH FOR 4.4 MILES TO LOCATION.



LEGEND  
● - DENOTES FOUND MONUMENT AS NOTED



SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS.

*Terry J. Asel* 4/21/2011  
Terry J. Asel N.M. R.P.S. No. 15079

Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR -  
HOBBS, NEW MEXICO - 575-393-9146

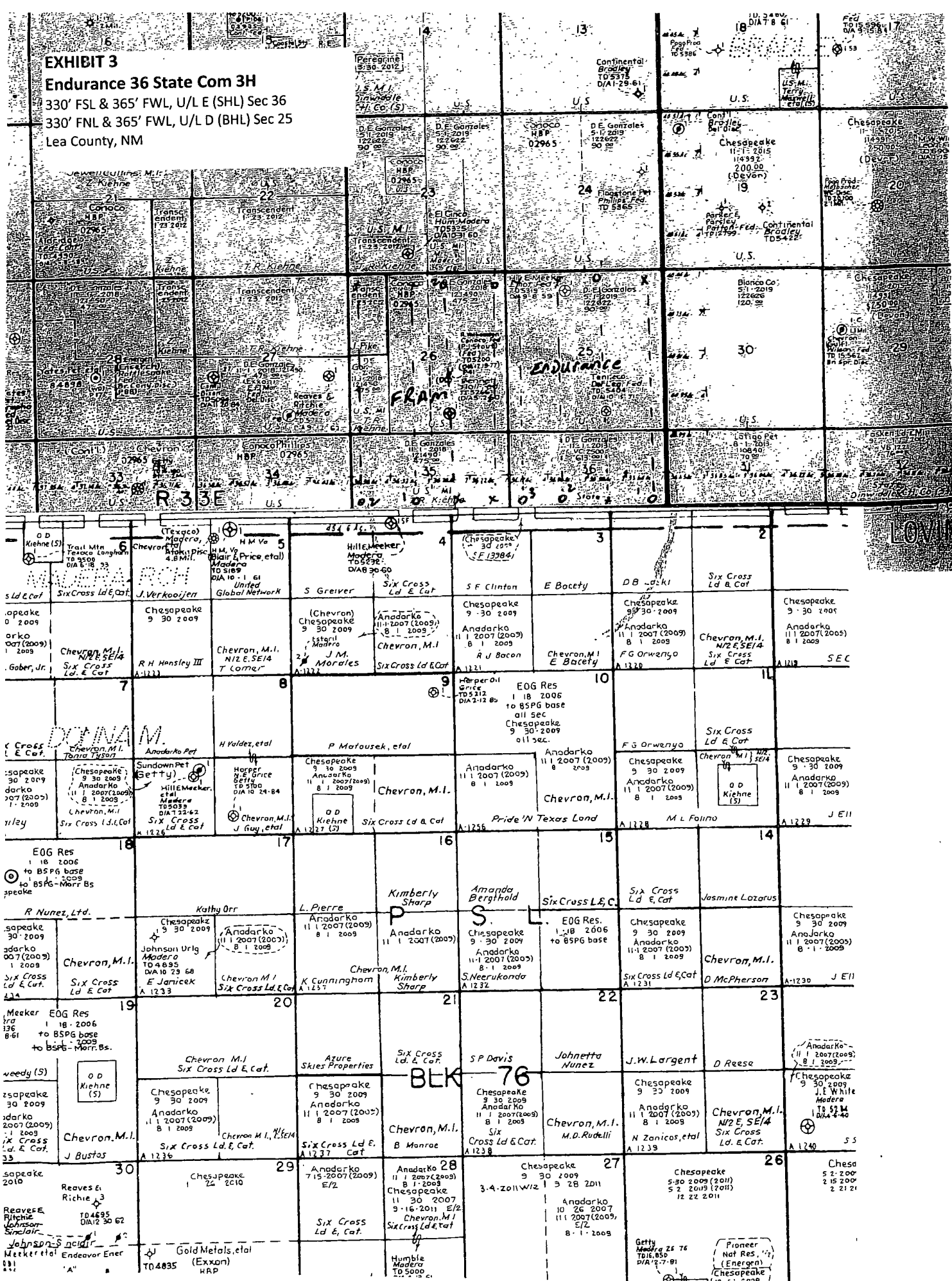
EOG RESOURCES, INC.

ENDURANCE "36" STATE COM #3H LOCATED  
AT 330' FSL & 365' FWL IN SECTION 36,  
TOWNSHIP 26 SOUTH, RANGE 33 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 04/07/11	Sheet 1 of 1 Sheets
W.O. Number: 110407WL-b	Drawn By: KA Rev:
Date: 04/14/11	110407WL-b Scale: 1" = 1000'

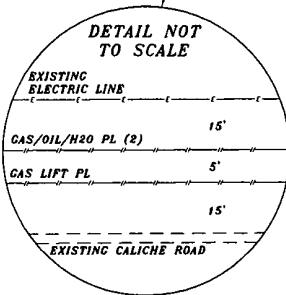
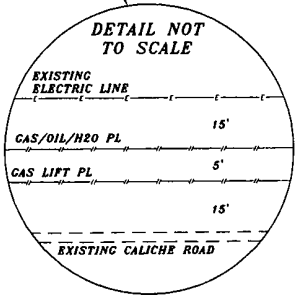
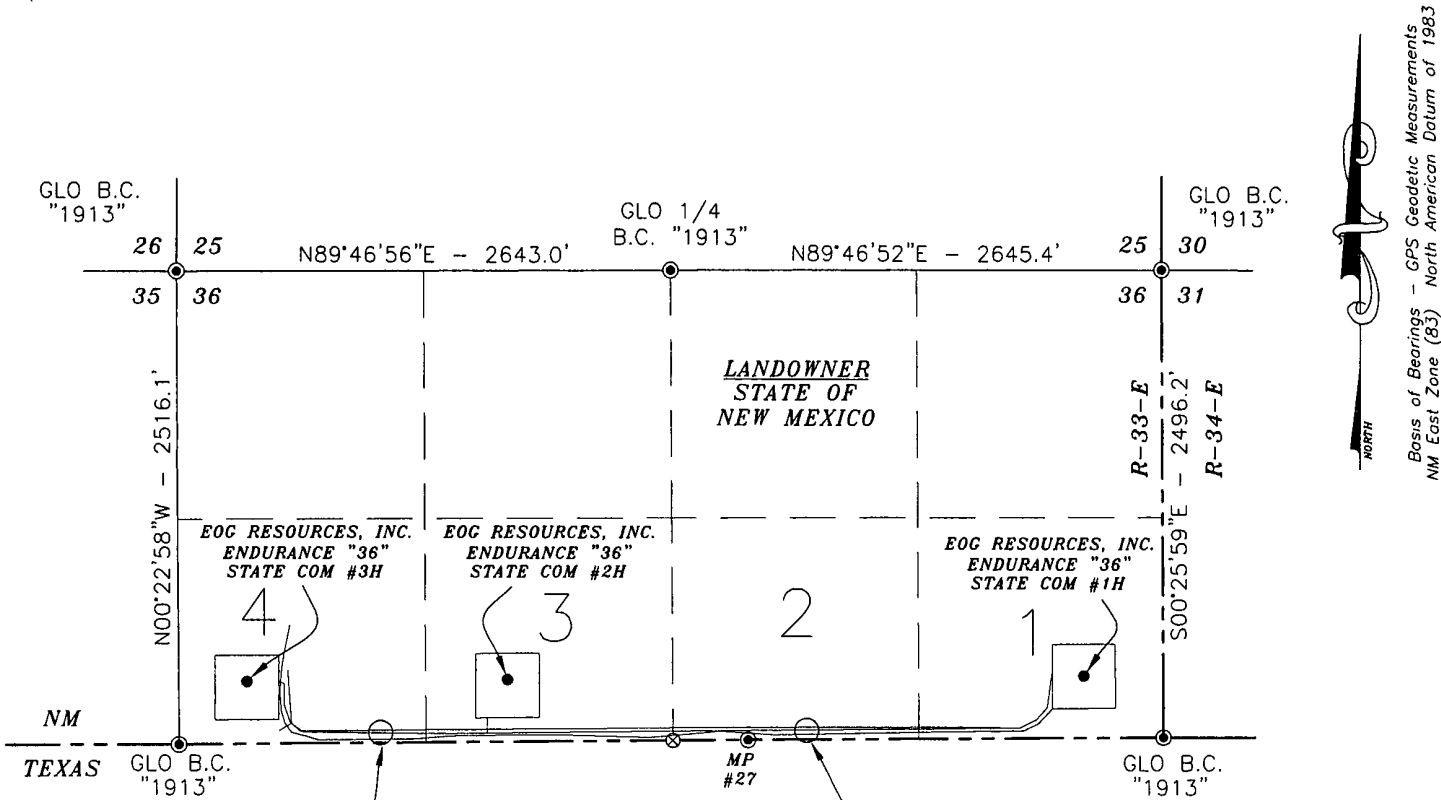


330' FSL & 365' FWL, U/L E (SHL) Sec 36  
330' FNL & 365' FWL, U/L D (BHL) Sec 25  
Lea County, NM

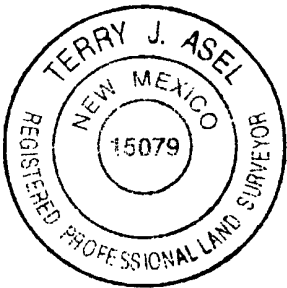


SECTION 36, TOWNSHIP 26 SOUTH, RANGE 33 EAST, N.M.P.M.,  
LEA COUNTY  
NEW MEXICO

Exhibit 5



GAS LIFT PIPELINE = 4629'  
OIL/GAS/H2O PIPELINE = 7753'



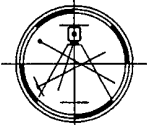
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*Terry J. Asel* 4/21/2011  
Terry J. Asel N.M. R.P.S. No. 15079

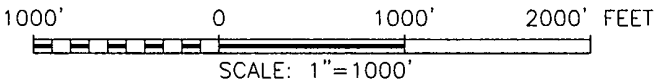
Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR  
HOBBS, NEW MEXICO - 575-393-9146



**LEGEND**

- - DENOTES FOUND MONUMENT AS NOTED
- ⊗ - DENOTES CALCULATED CORNER



EOG RESOURCES, INC.

PROPOSED GAS LIFT PIPELINE & GAS/OIL/H2O  
PIPELINE TO THE ENDURANCE "36" ST. COM #2H &  
#3H IN SECTION 36, TOWNSHIP 26 SOUTH, RANGE  
33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 04/07/11

W.O. Number: 110407PL

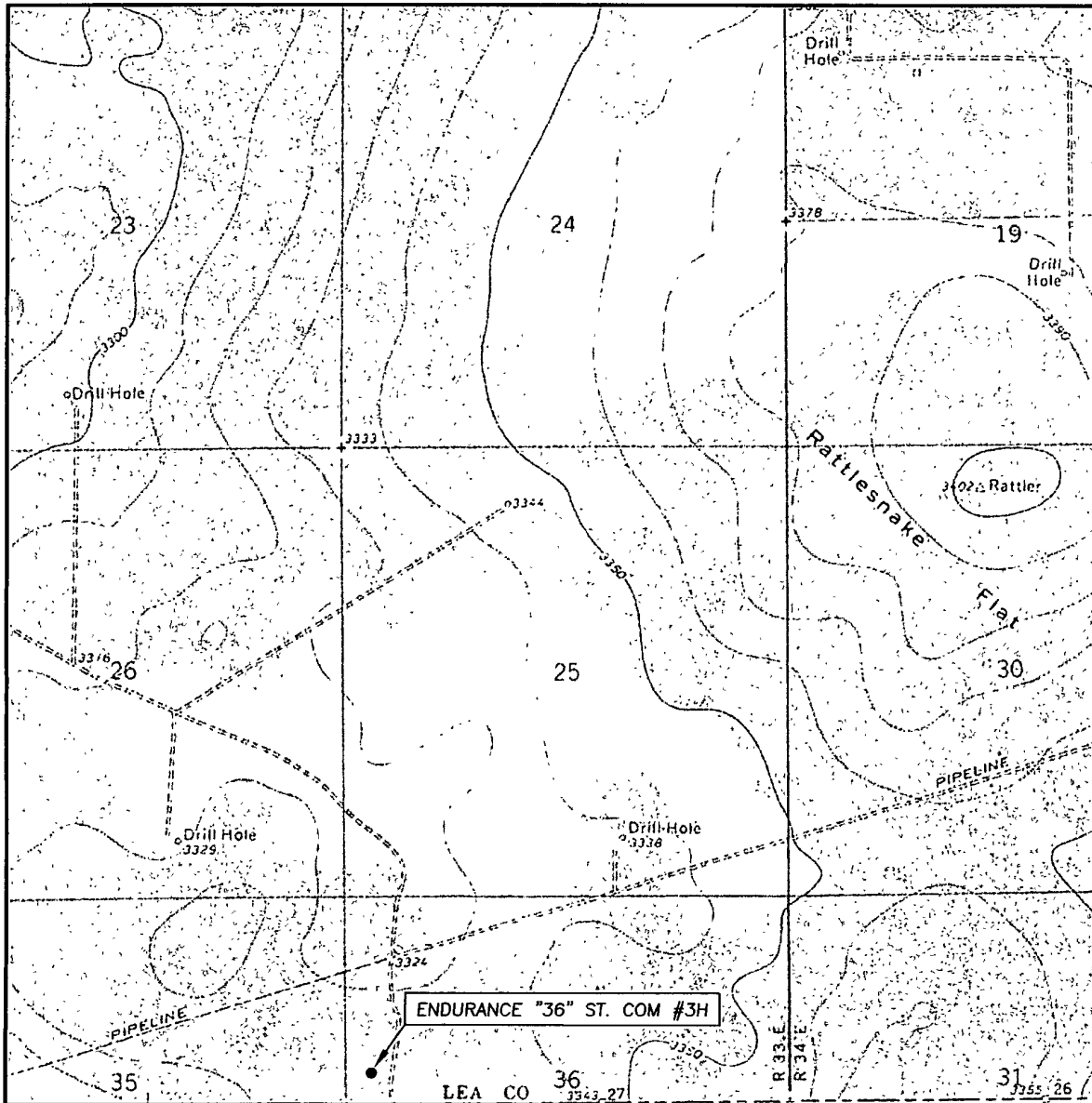
Date: 04/21/11

Sheet 1 of 1 Sheets

Drawn By: KA

110407PL.DWG Scale: 1"=1000'

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

SEC. 36 TWP. 26-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 330' FSL & 365' FWL

ELEVATION 3335.1'

OPERATOR EOG RESOURCES, INC.

LEASE ENDURANCE "36" ST. COM #3H

U.S.G.S. TOPOGRAPHIC MAP  
PADUCA BREAKS EAST, N.M.

Asel Surveying

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