30-025-40527

HOBBS OCD

APR 19 2012

RECEIVED

EOG RESOURCES, INC.
YUCCA 18 FEDERAL 1H

SURFACE USE PLAN OF OPERATION

SHL: 610' FSL & 330' FWL, Unit M, Section 18, T18S-R33E, N.M.P.M., Lea, NM
BHL: 660' FSL & 330' FEL, Unit P, Section 18, T18S-R33E, N.M.P.M., Lea, NM

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 Exhibits 2, 2a and 2b. Directions to Locations: Beginning in Maljamar at the intersection of U.S. Hwy No. 82 and County Hwy No. 126, go south on County Hwy No. 126 for 4.6 miles, turn right and go southwest on caliche road for 3.0 miles, turn right and go west for 0.6 miles, turn left and go south for 0.8 miles, turn left on proposed road and go southeast for 844.9 feet to location.

2. NEW OR RECONSTRUCTED ACCESS ROAD:

   a. The well site layout, Exhibit 2a shows the layout. A new access road will be constructed a distance of 844.9 feet of compact caliche as depicted per Exhibit 2b.
   b. The maximum width of the road will be 14'. It will be crowned and made of 6" of rolled and compacted caliche. Water will be deflected, as necessary, to avoid accumulation and prevent soil erosion.
   c. Surface material will be native caliche. This material will be obtained from a BLM approved pit nearest in proximity to the location. The average grade will be approximately 1%.
   d. No cattleguards are 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, the necessary production equipment will be installed on location as depicted by the Production Facility Layout attached.
   b. As a proposed oil well, operator shall construct an overhead power line as depicted by Exhibit 5 a distance of 1,508.8 feet.
   c. Pipeline will adhere to API standards. Applicant shall lay a 4"surface low pressure poly pipeline a distance of 828.4 feet as depicted by Exhibit 6.
   d. Refer to b above.
   e. If the well is productive, rehabilitation plans are as follows:

APR 24 2012

i. The location shall be reduced on west, north and east 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.
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, 2a and 2b. 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

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.
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 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.

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 will participate in the MOA.

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. Roger Motley
Senior Lease Operations ROW Representative
EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702
(432) 686-3642 Office
(361) 537-8281 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

EOG RESOURCES, INC.
YUCCA 18 FEDERAL 1H

ATTACHMENT TO EXHIBIT #1

1. Wear ring to be properly installed in head.

2. Blow out preventer and all fittings must be in good condition, 5000 psi W.P. minimum. Exhibit #1.

3. All fittings to be flanged

4. Safety valve must be available on rig floor at all times with proper connections, valve to be full bore 5000 psi W.P. minimum.

5. All choke and fill lines to be securely anchored especially ends of choke lines.

6. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.

7. Kelly cock on kelly.

8. Extension wrenches and hand wheels to be properly installed.

9. Blow out preventer control to be located as close to driller's position as feasible.

10. Blow out preventer closing equipment to include minimum 40-gallon accumulator, two independent sources of pump power on each closing unit installation, and meet all API specifications.

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 13th day of September, 2011.

Name: Roger Motley
Position: Sr. Lease Operations ROW Representative
Address: P.O. Box 2267, Midland, TX 79705
Telephone: (432) 686-3642
Email: roger_motley@eogresources.com

Signed _____

8. LOGGING, TESTING AND CORING PROGRAM:

Open-hole logging is anticipated in the 7-7/8" hole section. The logging suites scheduled for this hole section are listed below:

NGT–CNL–LDT w/ Pe	From TD to previous casing shoe. At casing pull GR – Neutron to surface.
HR Laterolog Array	From TD to previous casing shoe.

See COA

9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND POTENTIAL HAZARDS:

The estimated bottom-hole temperature (BHT) at TD is 152 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 3900 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. No major loss circulation zones have been reported in offsetting wells.

See COA

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

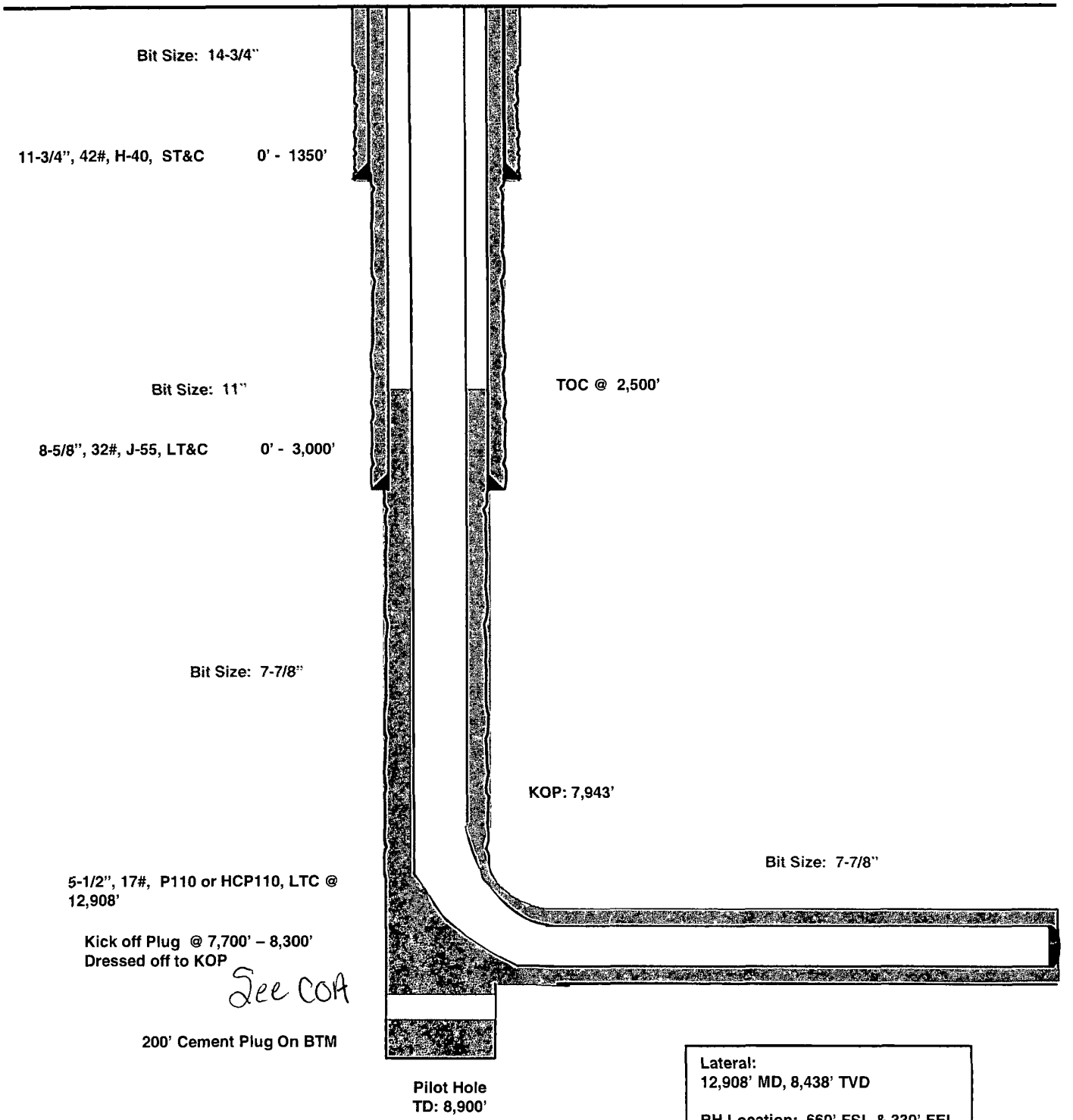
The drilling operation should be finished in approximately one month. If the well is productive, an additional 60-90 days will be required for completion and testing before a decision is made to install permanent facilities.

Yucca 18 Federal #1H
Lea County, New Mexico
Revised 9/27/11
Proposed Wellbore

610' FSL
330' FWL
Section 18
T-18-S, R-33-E

API: 30-025-******

KB: 3,858.0'
GL: 3,828.0'

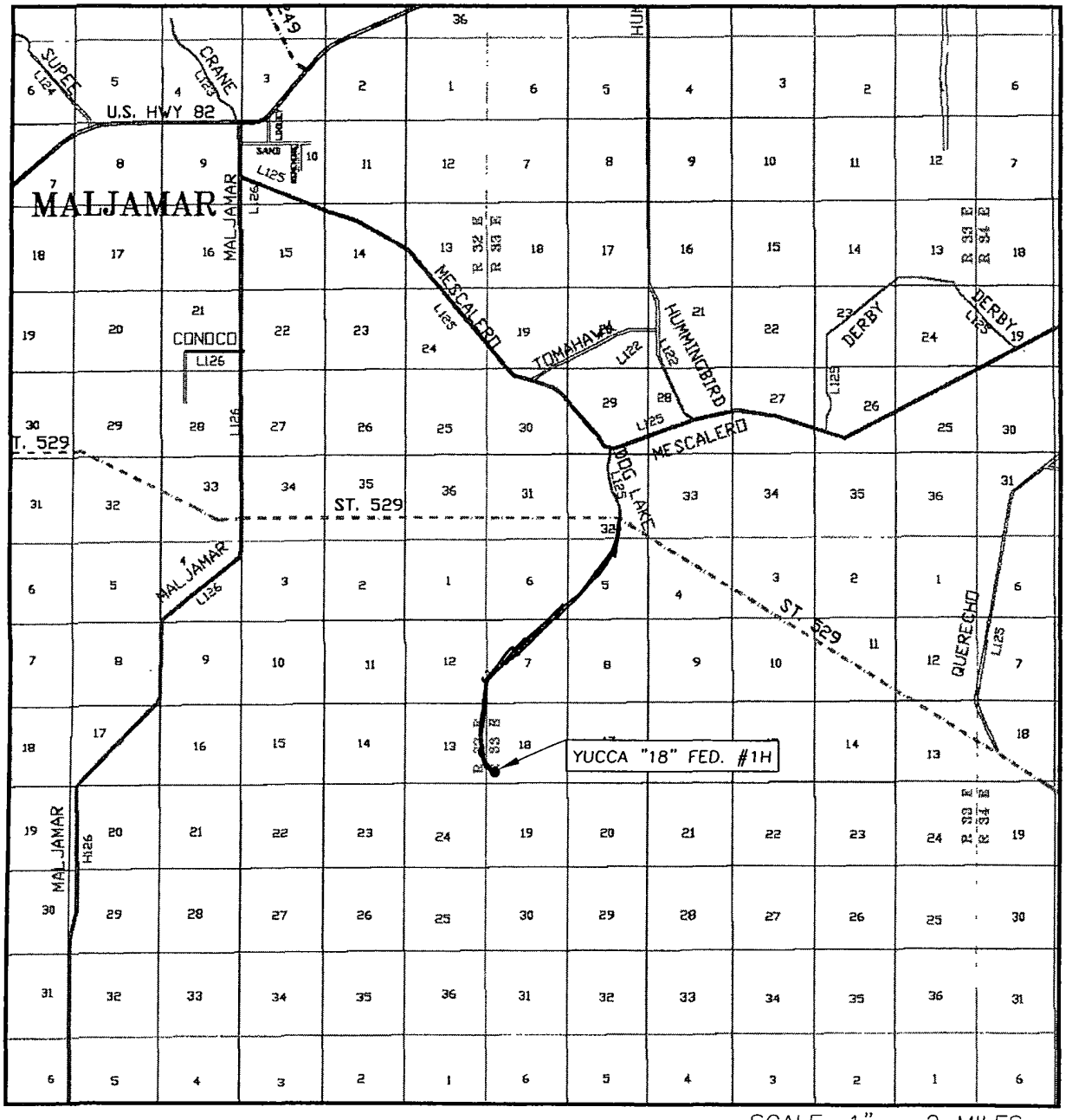


Lateral:
12,908' MD, 8,438' TVD

BH Location: 660' FSL & 330' FEL
Section 18
T-18-S, R-33-E

EXHIBIT 2

VICINITY MAP



SEC. 18 TWP. 18-S RGE. 33-E
SURVEY N.M.P.M.
COUNTY LEA
DESCRIPTION 610' FSL & 330' FWL
ELEVATION 3828.0'
OPERATOR EOG RESOURCES, INC.
LEASE YUCCA "18" FED. #1H

SCALE: 1" = 2 MILES

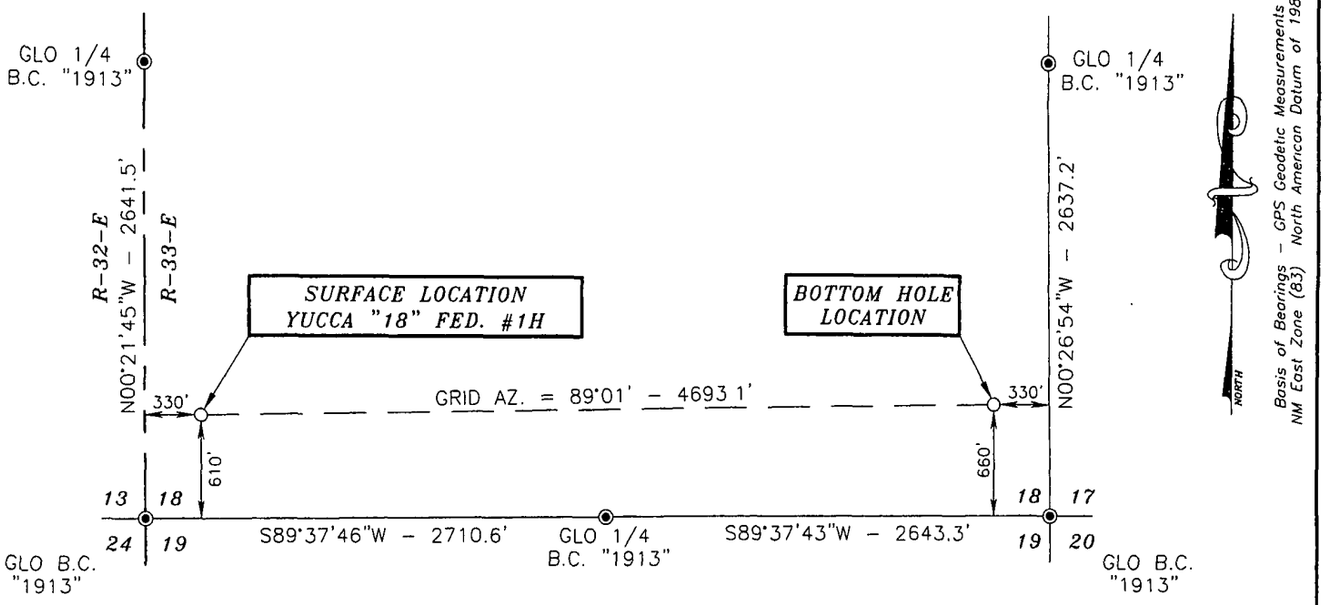
Asel Surveying

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

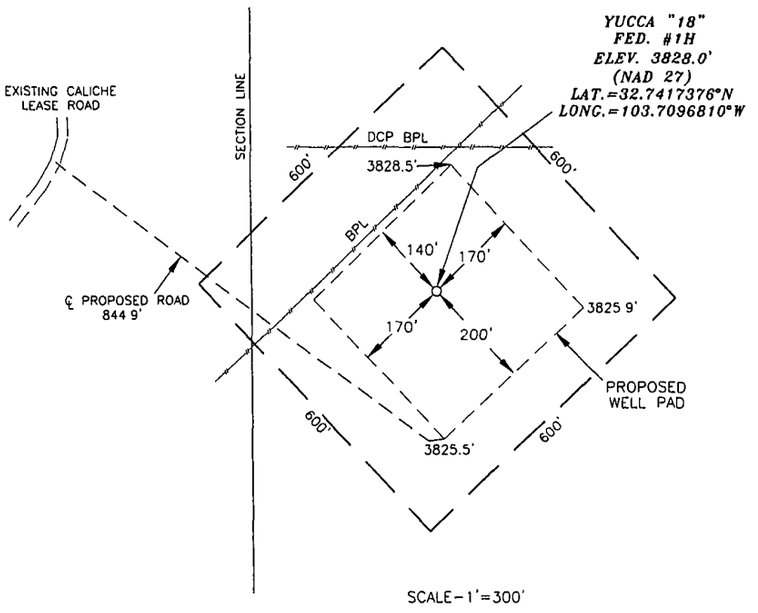
DIRECTIONS BEGINNING IN MALJAMAR AT THE INTERSECTION OF U.S. HWY. #82 AND COUNTY HWY. #126, GO SOUTH ON COUNTY HWY. #126 FOR 4.6 MILES, TURN LEFT ON STATE HWY. #529 AND GO EAST FOR 4 6 MILES, TURN RIGHT AND GO SOUTHWEST ON CALICHE ROAD FOR 3.0 MILES, TURN RIGHT AND GO WEST FOR 0.6 MILES, TURN LEFT AND GO SOUTH FOR 0.8 MILES, TURN LEFT ON PROPOSED ROAD AND GO SOUTHEAST FOR 844.9 FEET TO LOCATION.

EXHIBIT 2a

SECTION 18, TOWNSHIP 18 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY NEW MEXICO



DRIVING DIRECTIONS.
BEGINNING IN MALJAMAR AT THE INTERSECTION OF U.S. HWY. #82 AND COUNTY HWY #126, GO SOUTH ON COUNTY HWY. #126 FOR 4.6 MILES, TURN LEFT ON STATE HWY. #529 AND GO EAST FOR 4.6 MILES, TURN RIGHT AND GO SOUTHWEST ON CALICHE ROAD FOR 3.0 MILES, TURN RIGHT AND GO WEST FOR 0.6 MILES, TURN LEFT AND GO SOUTH FOR 0.8 MILES, TURN LEFT ON PROPOSED ROAD AND GO SOUTHEAST FOR 844.9 FEET TO LOCATION.



TERRY J. ASEL
NEW MEXICO
15079
REGISTERED PROFESSIONAL LAND SURVEYOR

LEGEND

◉ - DENOTES FOUND MONUMENT AS NOTED

1000' 0 1000' 2000' FEET
SCALE. 1"=1000'

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 8/25/2011
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

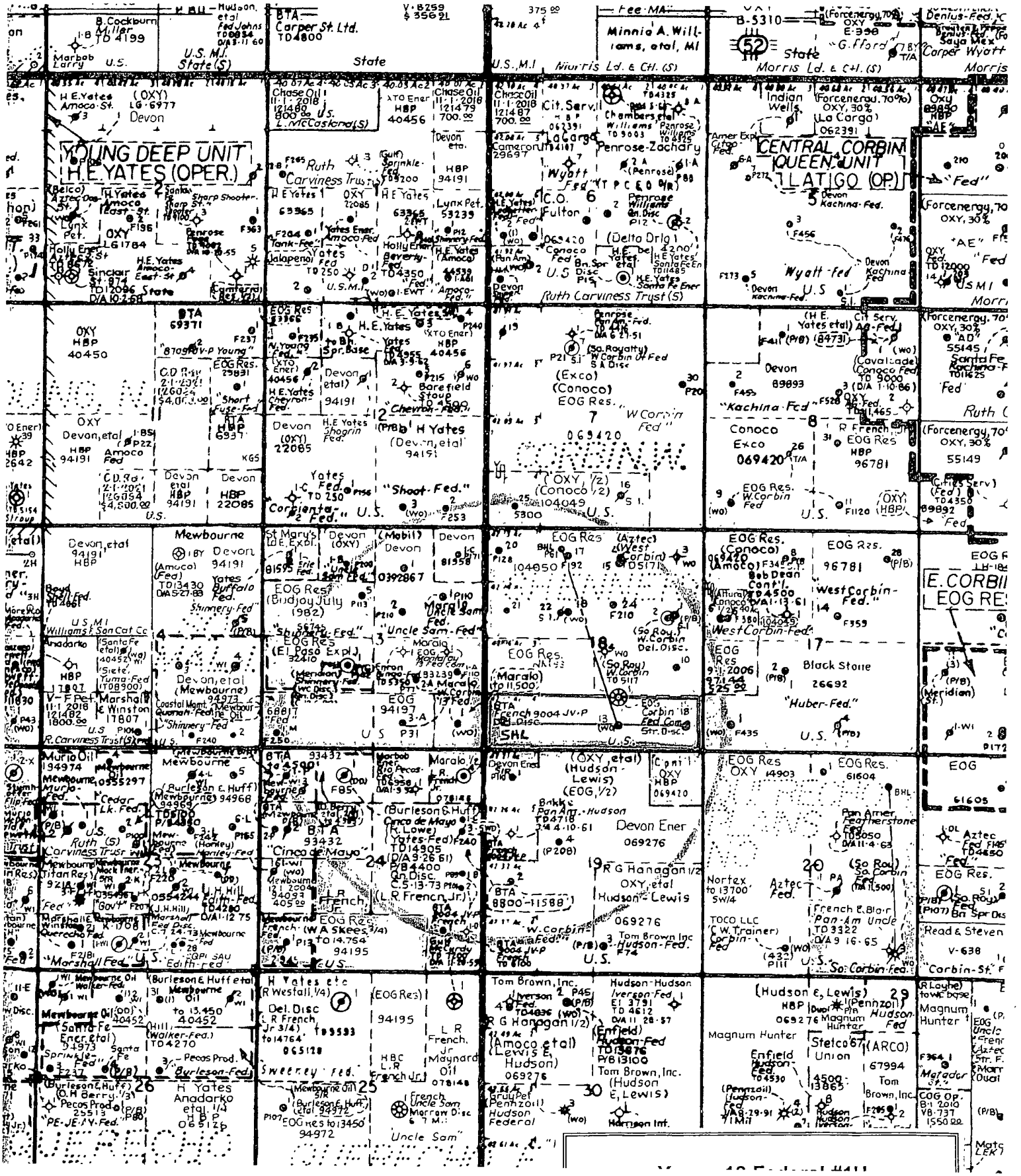
EOG RESOURCES, INC.

YUCCA "18" FEDERAL #1H LOCATED AT 610' FSL & 330' FWL IN SECTION 18, TOWNSHIP 18 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

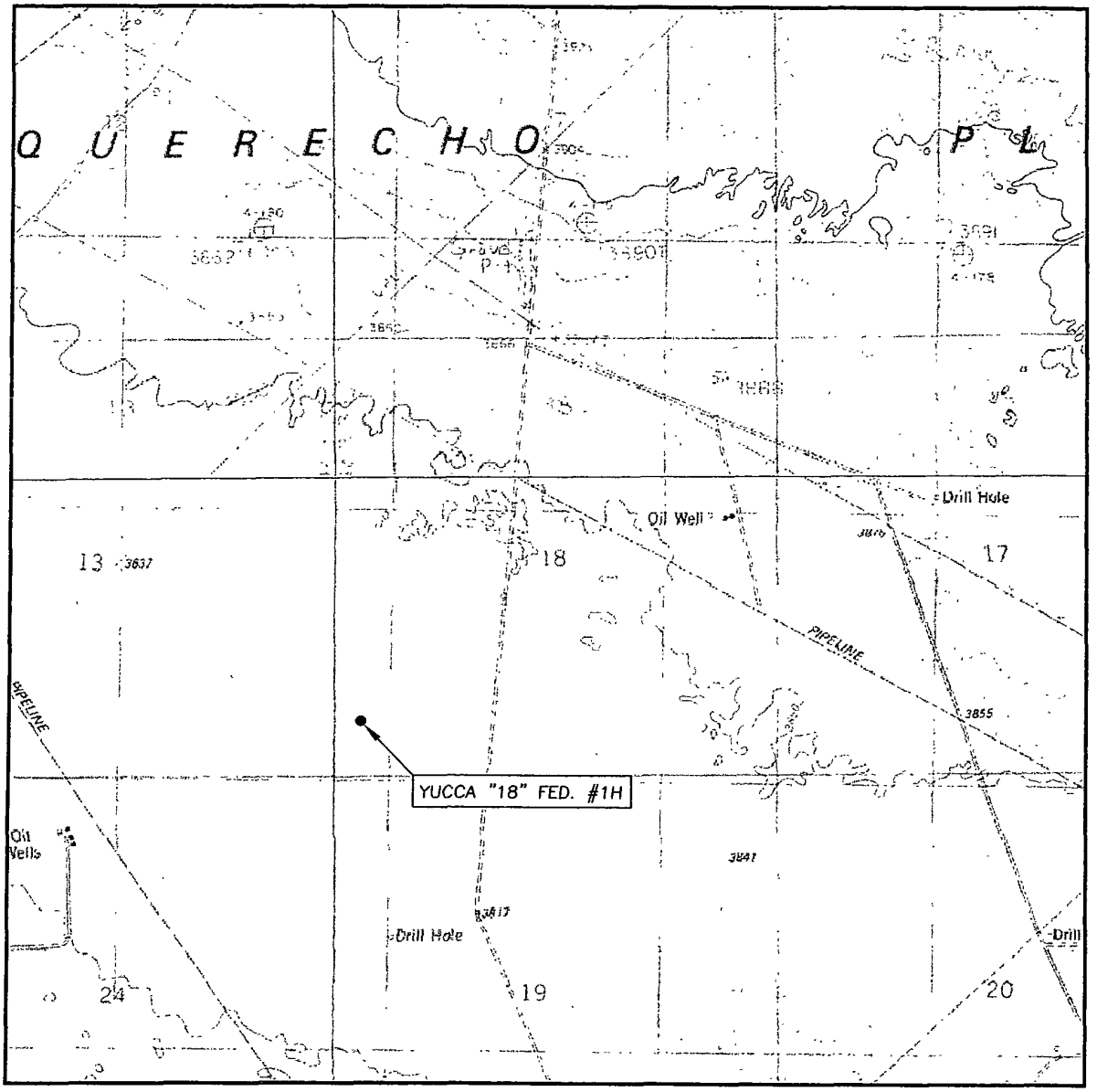
Survey Date: 08/02/11	Sheet 1 of 1 Sheets	
W.O. Number: 110310WL-o (Rev A)	Drawn By: KA	Rev: A
Date: 08/18/11	110310WL-a	Scale: 1"=1000'

EXHIBIT 3

Yucca 18 Federal #1H
SHL – 610' FSL, 330' FWL, U/L M
BHL – 660' FSL, 330' FEL, U/L P
Section 18, T18S, R33E, Lea County, New Mexico



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

SEC. 18 TWP. 18-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 610' FSL & 330' FWL

ELEVATION 3828.0'

OPERATOR EOG RESOURCES, INC.

LEASE YUCCA "18" FED. #1H

U.S.G.S. TOPOGRAPHIC MAP
LAGUNA GATUNA NW, N.M.

Asel Surveying

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

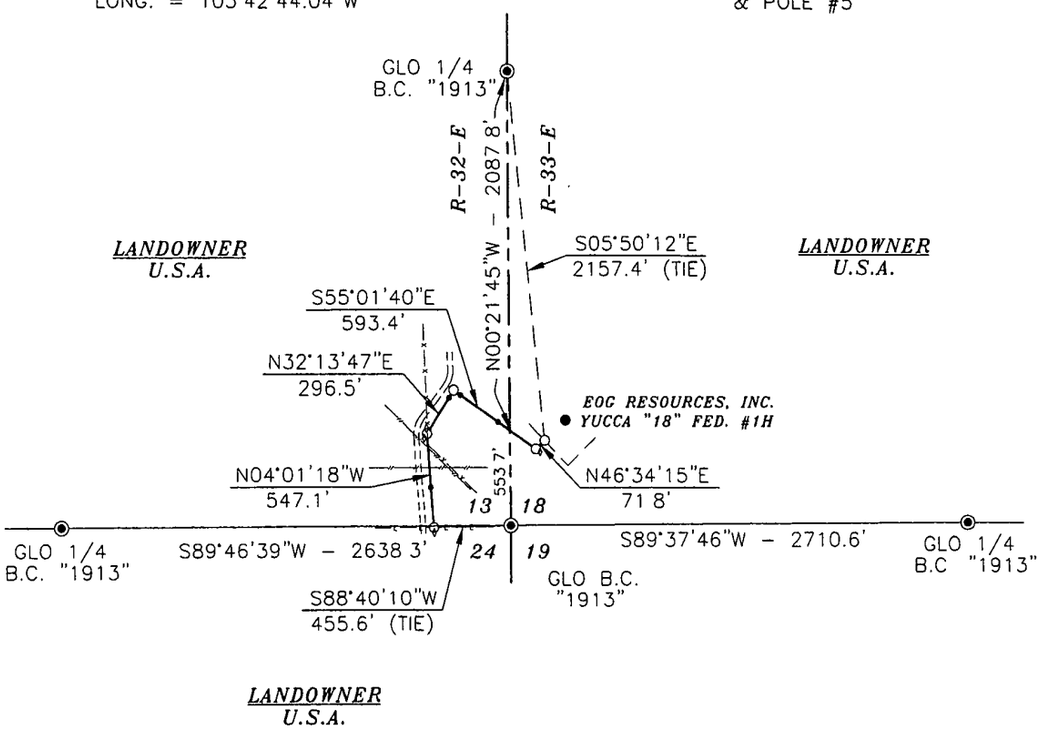
EXHIBIT 5

SECTIONS 24 & 13, TOWNSHIP 18 SOUTH, RANGE 32 EAST, N.M.P.M., SECTION 18, TOWNSHIP 18 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY NEW MEXICO

7+93.6 POLE #4
5+53.5 FENCE 4ST. B/W
5+47.1 P.I. 36°15'05" RT
& POLE #3
4+66.4 BPL (PLAINS)
3+52.3 BPL (DCP)
2+37.6 POLE #2
0+08.8 E-W SECTION LINE
0+00.0 BEGIN SURVEY @
EXISTING E-W ELECTRIC LINE
& POLE #1
NAD 27 LAT. = 32°44'24.14"N
LONG. = 103°42'44.04"W

15+08.8 END SURVEY @
EOG RESOURCES, INC.
YUCCA "18" FED. #1H
& POLE #9
NAD 27 LAT. = 32°44'29.11"N
LONG. = 103°42'36.30"W
14+37.0 P.I. 78°24'05" LT
& POLE #8
12+49.0 N-S SECTION LINE
11+65.3 POLE #7
8+93.6 POLE #6
8+43.6 P.I. 92°44'33" RT.
& POLE #5

NORTH
Basis of Bearings - GPS Geodetic Measurements
NM East Zone (83) North American Datum of 1983



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 1508 8 FEET OR 0.286 MILES IN LENGTH CROSSING U.S.A. LAND IN SECTIONS 24 & 13, TOWNSHIP 18 SOUTH, RANGE 32 EAST AND SECTION 18, TOWNSHIP 18 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

TERRY J. ASEL NEW MEXICO 15079 REGISTERED PROFESSIONAL LAND SURVEYOR

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 9/10/2011
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

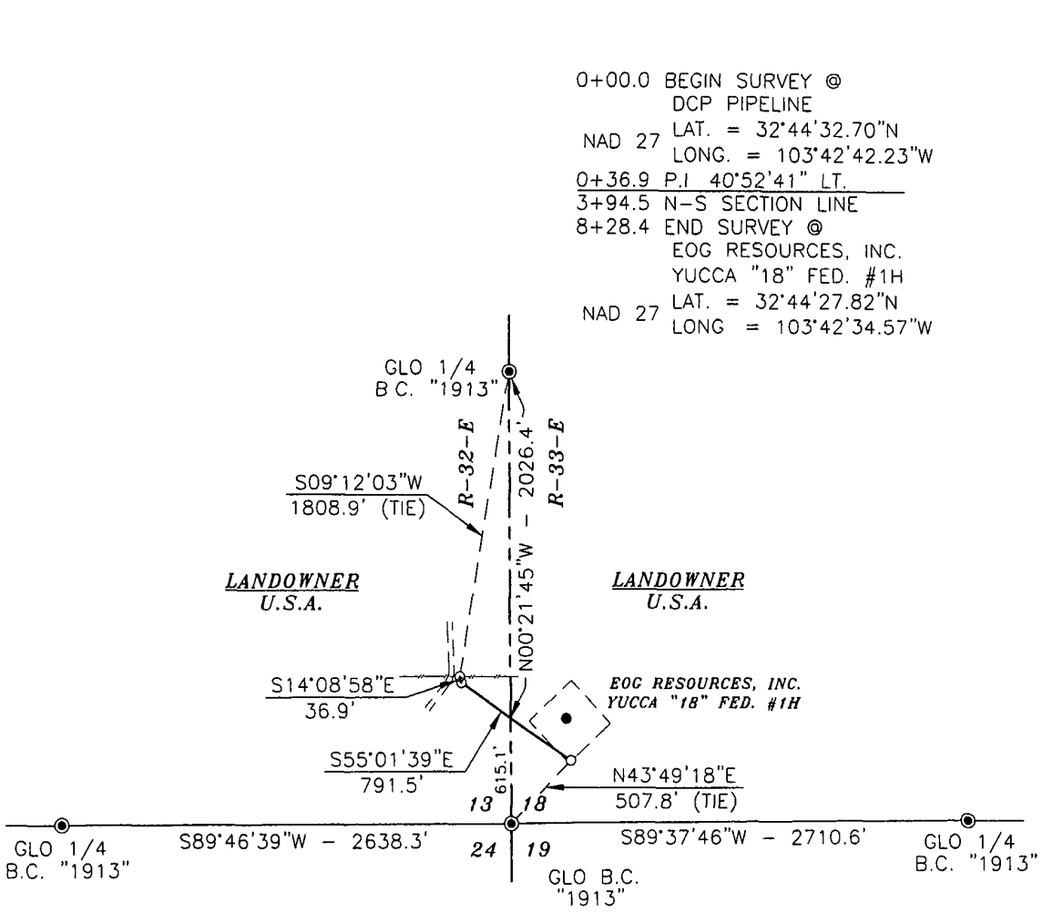
1000' 0 1000' 2000' FEET
SCALE: 1"=1000'

EOG RESOURCES, INC.

SURVEY FOR AN ELECTRIC LINE EASEMENT CROSSING U.S.A. LAND IN SECTIONS 24 & 13, TOWNSHIP 18 SOUTH, RANGE 32 EAST AND SECTION 18, TOWNSHIP 18 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 09/08/11		Sheet 1 of 1 Sheets	
W.O. Number: 110908EL-a		Drawn By: KA	
Date: 09/09/11	110908EL-a.DWG	Scale:1"=1000'	

SECTION 13, TOWNSHIP 18 SOUTH, RANGE 32 EAST, N.M.P.M.,
SECTION 18, TOWNSHIP 18 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 828.4 FEET OR 0.157 MILES IN LENGTH CROSSING U.S.A. LAND IN SECTION 13, TOWNSHIP 18 SOUTH, RANGE 32 EAST AND SECTION 18, TOWNSHIP 18 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY

TERRY J. ASEL NEW MEXICO 15079 REGISTERED PROFESSIONAL LAND SURVEYOR

LEGEND

◉ – DENOTES FOUND MONUMENT AS NOTED

1000' 0 1000' 2000' FEET

SCALE: 1"=1000'

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 9/10/2011

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.

SURVEY FOR A GAS PIPELINE EASEMENT CROSSING U.S.A. LAND IN SECTION 13, TOWNSHIP 18 SOUTH, RANGE 32 EAST AND SECTION 18, TOWNSHIP 18 SOUTH, RANGE 33 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 09/08/11		Sheet 1 of 1 Sheets	
W.O. Number: 110908PL-a		Drawn By: KA	
Date: 09/09/11		110908PL-a.DWG	Scale:1"=1000'