

**SURFACE USE PLAN OF OPERATION**

SHL: 2470' FNL & 2210' FWL, Unit F, Section 16, T25S-R34E, N.M.P.M., Lea, NM  
BHL: 2310' FSL & 2210' FWL, Unit K, Section 9, T25S-R34E, 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 Exhibit 2, 2a and 2b.
- 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 southwest on County Road #2 for 6.4 miles, turn right and go northwest on lease road for 0.3 miles, turn left on abandoned location and go west for 0.1 miles, turn left on proposed road and go southwest for 0.2 miles 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 all on State Lands a distance of (2,995.1') of compact caliche as depicted per Exhibit 2b.
- b. The maximum width of the road will be 15'. 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, gates or fence cuts will be required. No turnouts are planned.

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.
- b. As a proposed oil well, operator shall construct a powerline as depicted by Exhibit 5. Right of Way Grant shall be secured from the Realty Group for a powerline located on Federal Lands.

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- c. All flow lines will adhere to API standards. Applicant will lay a 4" surface poly Gas Lift pipeline, a 4" surface poly Gas Sales Pipeline and a 4" surface poly SWD pipeline; all pipelines will be located in the same common corridor. See Exhibit 5. Right of Way Grants shall be secured from the Realty Group for all pipelines located on Federal Lands.
- d. Refer to b above.
- e. If the well is productive, rehabilitation plans are as follows:
  - i. The location shall be reduced on the North, West and South 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.

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**JULY 16 STATE COM 1H**

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.

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**JULY 16 STATE COM 1H**

- 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. Cultural Resources Examination will be conducted by Danny Boone and registered with the CFO.

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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 20th day of August 2010.

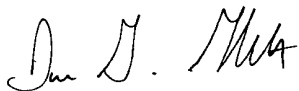
Name: Donny G. Glanton

Position: Sr. Lease Operations ROW Representative

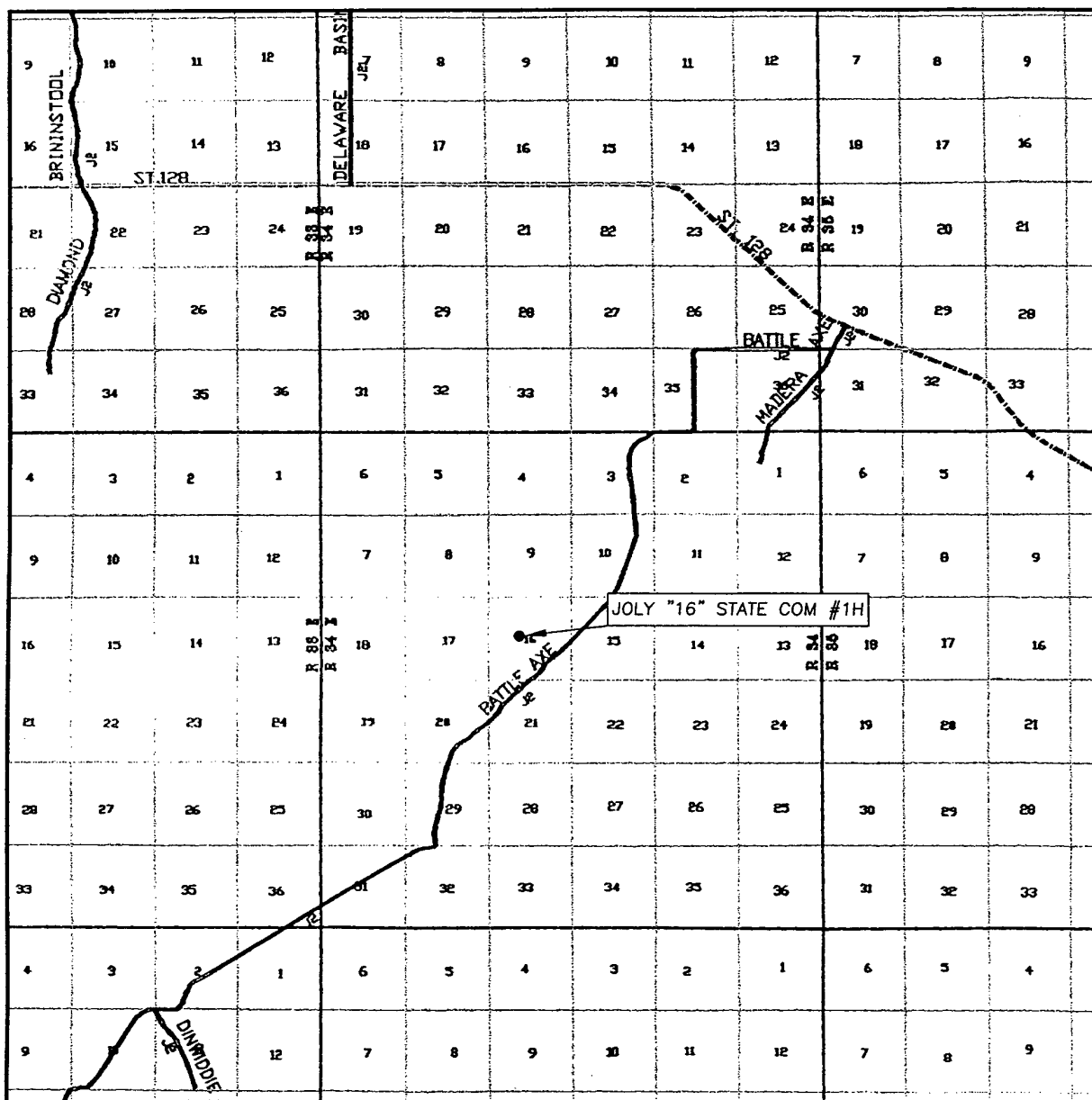
Address: P.O. Box 2267 Midland, TX 79705

Telephone: 432-686-3642

Email: donny\_glanton@eogresources.com

Signed: 

## VICINITY MAP

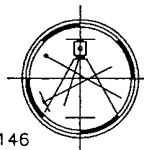


SEC. 16 TWP. 25-S RGE. 34-E  
 SURVEY \_\_\_\_\_ N.M.P.M.  
 COUNTY \_\_\_\_\_ LEA  
 DESCRIPTION 2470' FNL & 2210' FWL  
 ELEVATION 3350.8'  
 OPERATOR EOG RESOURCES, INC.

SCALE: 1" = 2 MILES

Asel Surveying

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

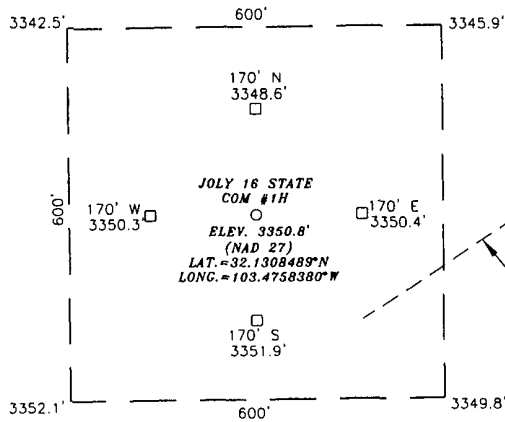


LEASE JULY "16" STATE COM #1H  
 DIRECTIONS BEGINNING IN JAL AT THE INTERSECTION OF N.M. STATE HWY. #18 AND N.M. STATE HWY. #128, GO WEST ON N.M. STATE HWY. #128 FOR 14.1 MILES TO COUNTY ROAD #2 (BATTLE AXE ROAD), TURN LEFT AND GO SOUTHWEST ON COUNTY ROAD #2 FOR 0.3 MILES, TURN RIGHT AND GO WEST FOR 1.6 MILES, TURN LEFT AND GO SOUTH FOR 1.0 MILES, TURN RIGHT AND GO WEST FOR 0.5 MILES, TURN LEFT AND GO SOUTH/SOUTHWEST FOR 3.0 MILES, TURN RIGHT OFF CO. ROAD #2 AND GO NORTHWEST ON LEASE ROAD FOR 0.3 MILES, TURN LEFT ON CALICHE PAD AND GO WEST FOR 0.1 MILES, TURN LEFT ON PROPOSED ROAD AND GO SOUTHWEST FOR 0.2 MILES TO LOCATION.

SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,  
LEA COUNTY  
NEW MEXICO

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

DRIVING 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 SOUTHWEST FOR 0.3  
MILES, TURN RIGHT AND GO WEST FOR  
1.6 MILES, TURN LEFT AND GO SOUTH  
FOR 1.0 MILES, TURN RIGHT AND GO  
WEST FOR 0.5 MILES, TURN LEFT AND  
GO SOUTH/SOUTHWEST FOR 3.0 MILES,  
TURN RIGHT OFF COUNTY ROAD #2 AND  
GO NORTHWEST ON LEASE ROAD FOR 0.3  
MILES, TURN LEFT ON CALICHE PAD AND  
GO WEST FOR 0.1 MILES, TURN LEFT ON  
PROPOSED ROAD AND GO SOUTHWEST  
FOR 0.2 MILES TO LOCATION.



SCALE - 1" = 300'



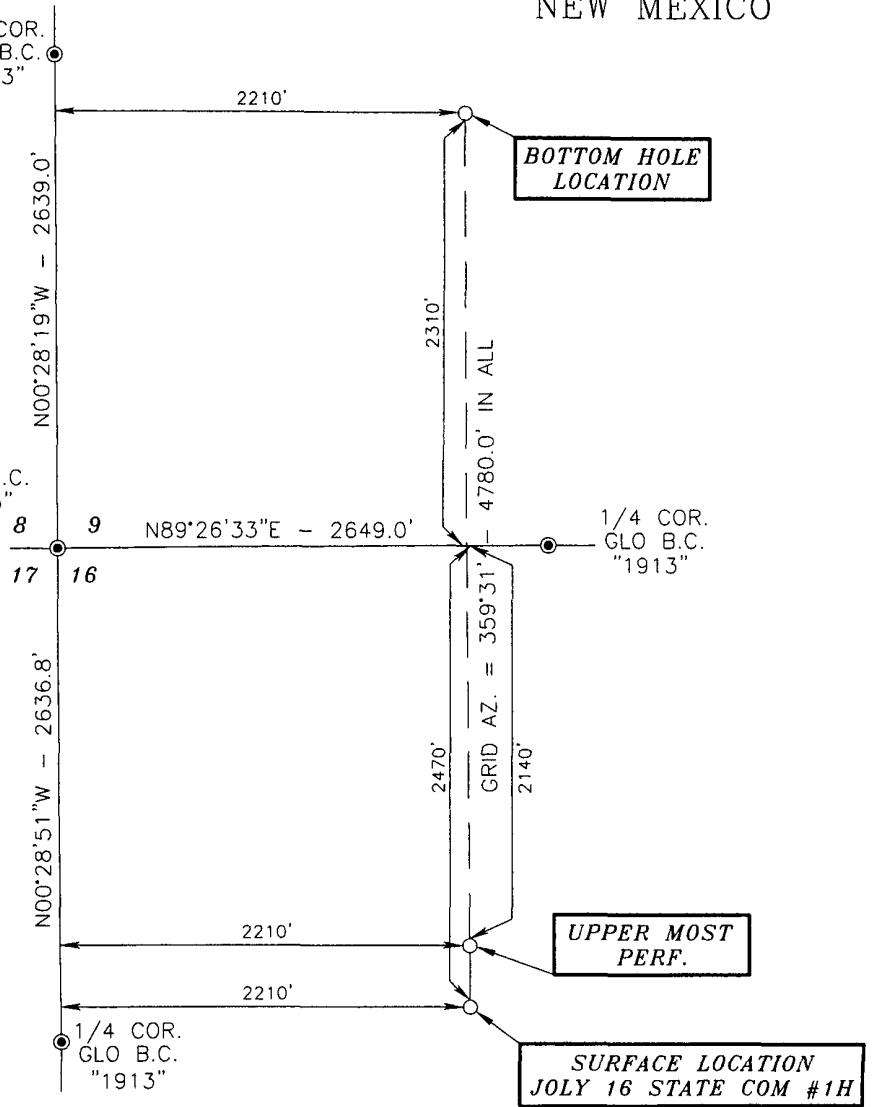
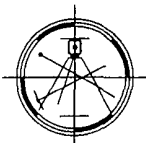
**SURVEYORS CERTIFICATE**

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* 8/13/2010  
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



D.H. MARKER  
STONE PETROL. CORP.  
JAVELINA #2

0.1 MILES

0.3 MILES

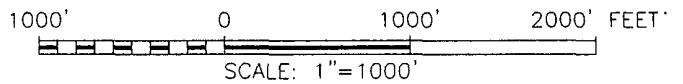
PLAINS BPL

TO HWY. #128

COUNTY ROAD #12  
(BATTLE AXE ROAD)

**LEGEND**

● - DENOTES FOUND MONUMENT AS NOTED



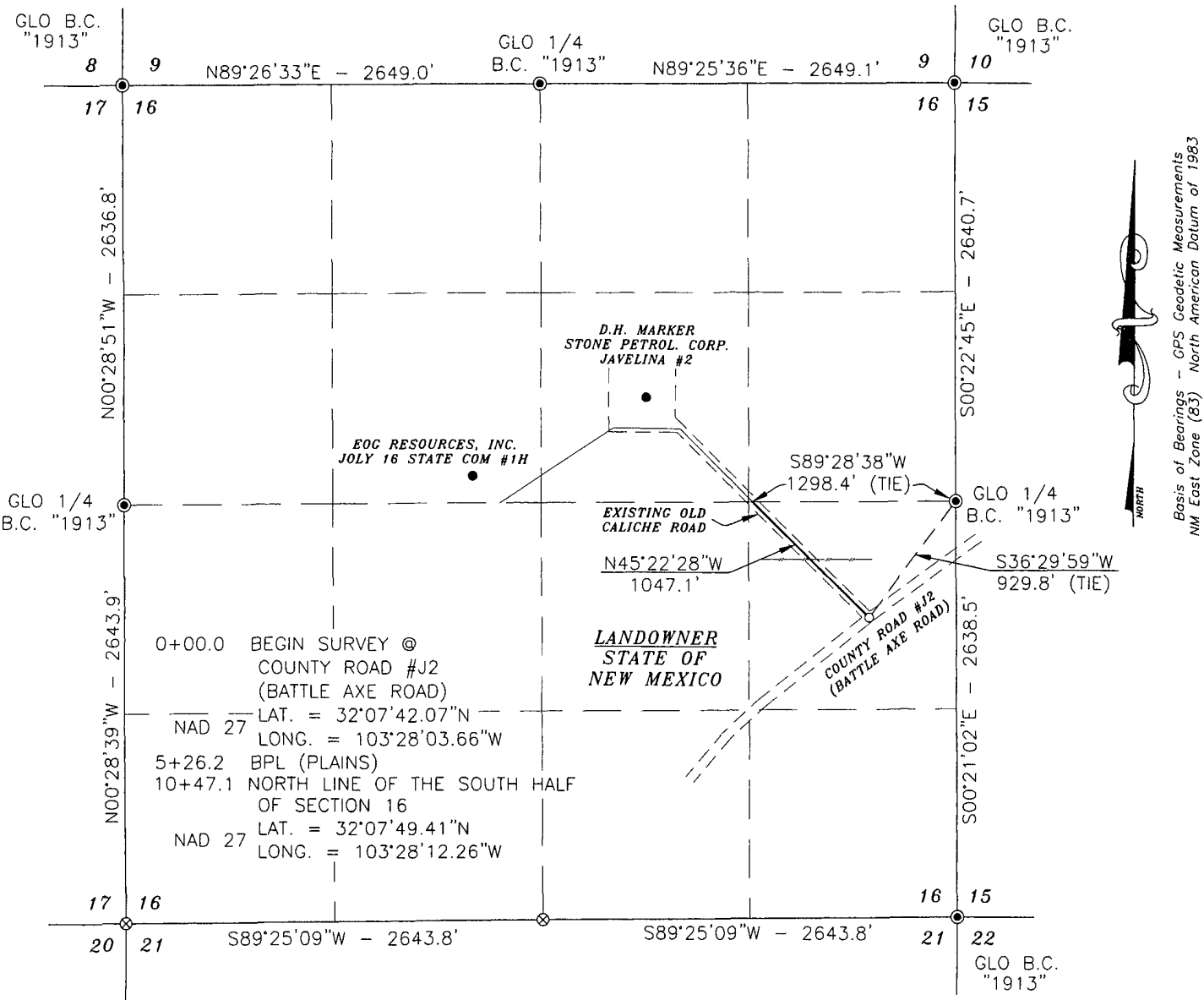
**EOG RESOURCES, INC.**

JULY 16 STATE COM #1H LOCATED AT  
2470' FNL & 2210' FWL IN SECTION 16,  
TOWNSHIP 25 SOUTH, RANGE 34 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 08/06/10	Sheet 1 of 1 Sheets
W.O. Number: 100806WL	Drawn By: KA Rev:
Date: 08/10/10	100806WL Scale: 1" = 1000'



SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,  
LEA COUNTY  
NEW MEXICO



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT WHICH LIES S36°29'59\"W - 929.8 FEET FROM THE EAST QUARTER CORNER OF SAID SECTION 16; THEN N45°22'28\"W - 1047.1 FEET TO A POINT ON THE NORTH LINE OF THE SOUTH HALF OF SAID SECTION 16 WHICH LIES S89°28'38\"W - 1298.4 FEET FROM THE EAST QUARTER CORNER OF SAID SECTION 16.

SAID STRIP OF LAND BEING 1047.1 FEET OR 63.46 RODS IN LENGTH, CONTAINING 0.721 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS.

EXISTING ROAD

NE/4 SE/4 - 63.46 RODS OR 0.721 ACRES

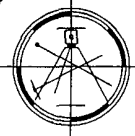


SURVEYORS CERTIFICATE

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* 8/13/2010  
Terry J. Asel, N.M. R.P.S. No. 15079

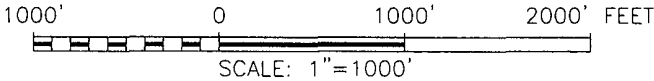
Asel Surveying



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

LEGEND

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

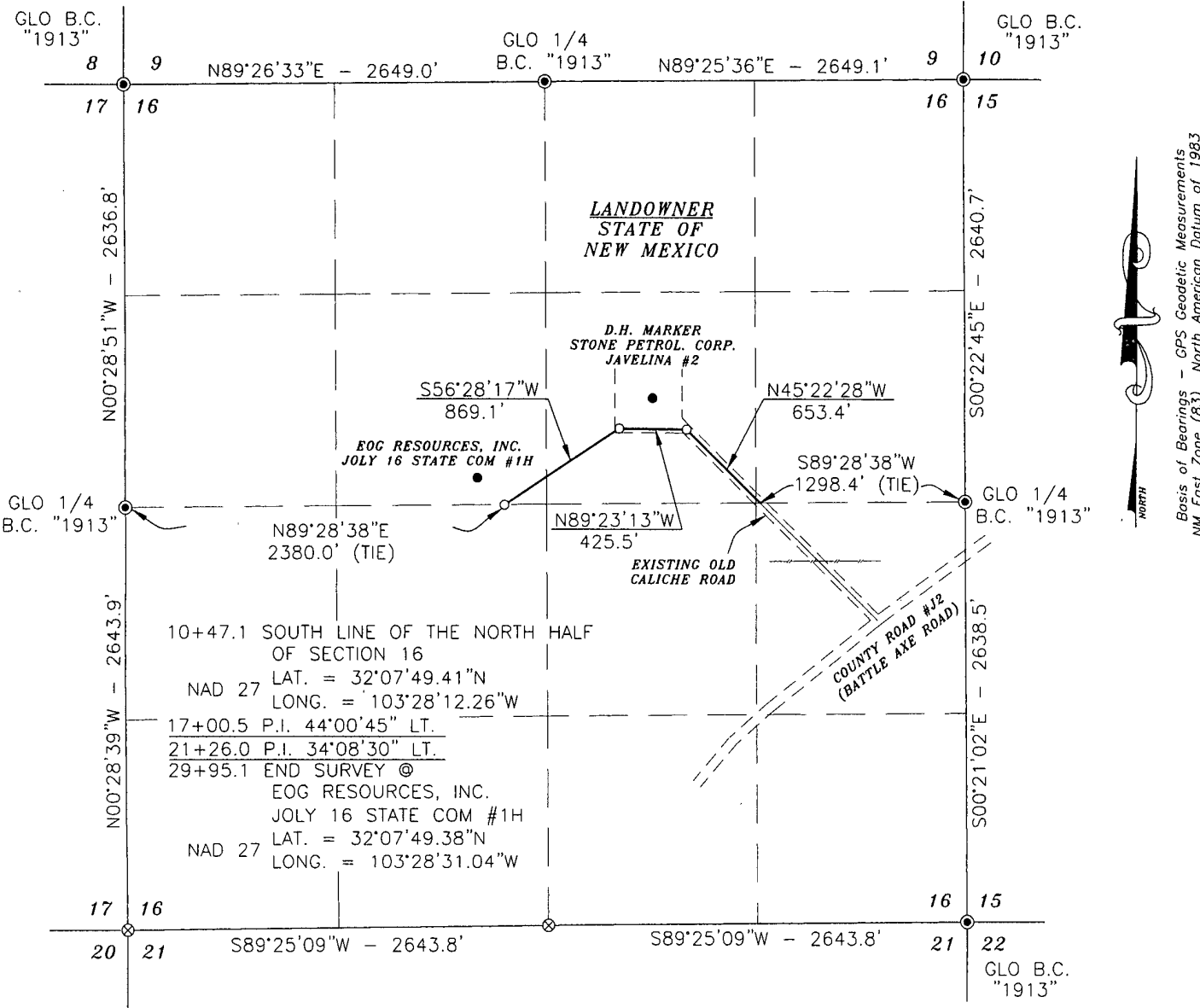


EOG RESOURCES, INC.

SURVEY FOR A ROAD EASEMENT CROSSING  
STATE OF NEW MEXICO LAND IN SECTION 16,  
TOWNSHIP 25 SOUTH, RANGE 34 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 08/06/10	Sheet 1 of 2 Sheets
W.O. Number: 100806RD	Drawn By: KA
Date: 08/10/10	100806RD.DWG Scale: 1\"=1000'

SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,  
LEA COUNTY  
NEW MEXICO



DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT ON THE SOUTH LINE OF THE NORTH HALF OF SAID SECTION 16 WHICH LIES S89°28'38"W - 1298.4 FEET FROM THE EAST QUARTER CORNER OF SAID SECTION 16; THEN N45°22'28"W - 653.4 FEET; THEN N89°23'13"W - 425.5 FEET; THEN S56°28'17"W - 869.1 FEET TO A POINT WHICH LIES N89°28'38"E - 2380.0 FEET FROM THE WEST QUARTER CORNER OF SAID SECTION 16.

SAID STRIP OF LAND BEING 1948.0 FEET OR 118.06 RODS IN LENGTH, CONTAINING 1.342 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS.

EXISTING ROAD

SE/4 NE/4 - 2.15 RODS OR 0.025 ACRES  
SW/4 NE/4 - 63.23 RODS OR 0.718 ACRES

NEW ROAD

SW/4 NE/4 - 33.41 RODS OR 0.380 ACRES  
SE/4 NW/4 - 19.27 RODS OR 0.219 ACRES

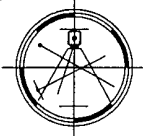
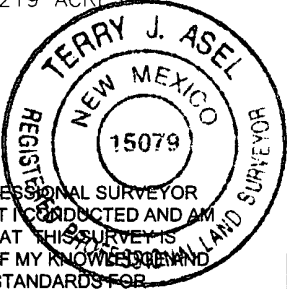
SURVEYORS CERTIFICATE

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* 8/13/2010  
Terry J. Asel, N.M. R.P.S. No. 15079

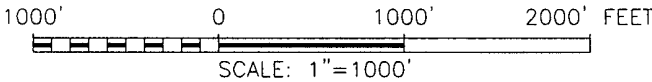
Asel Surveying

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



LEGEND

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

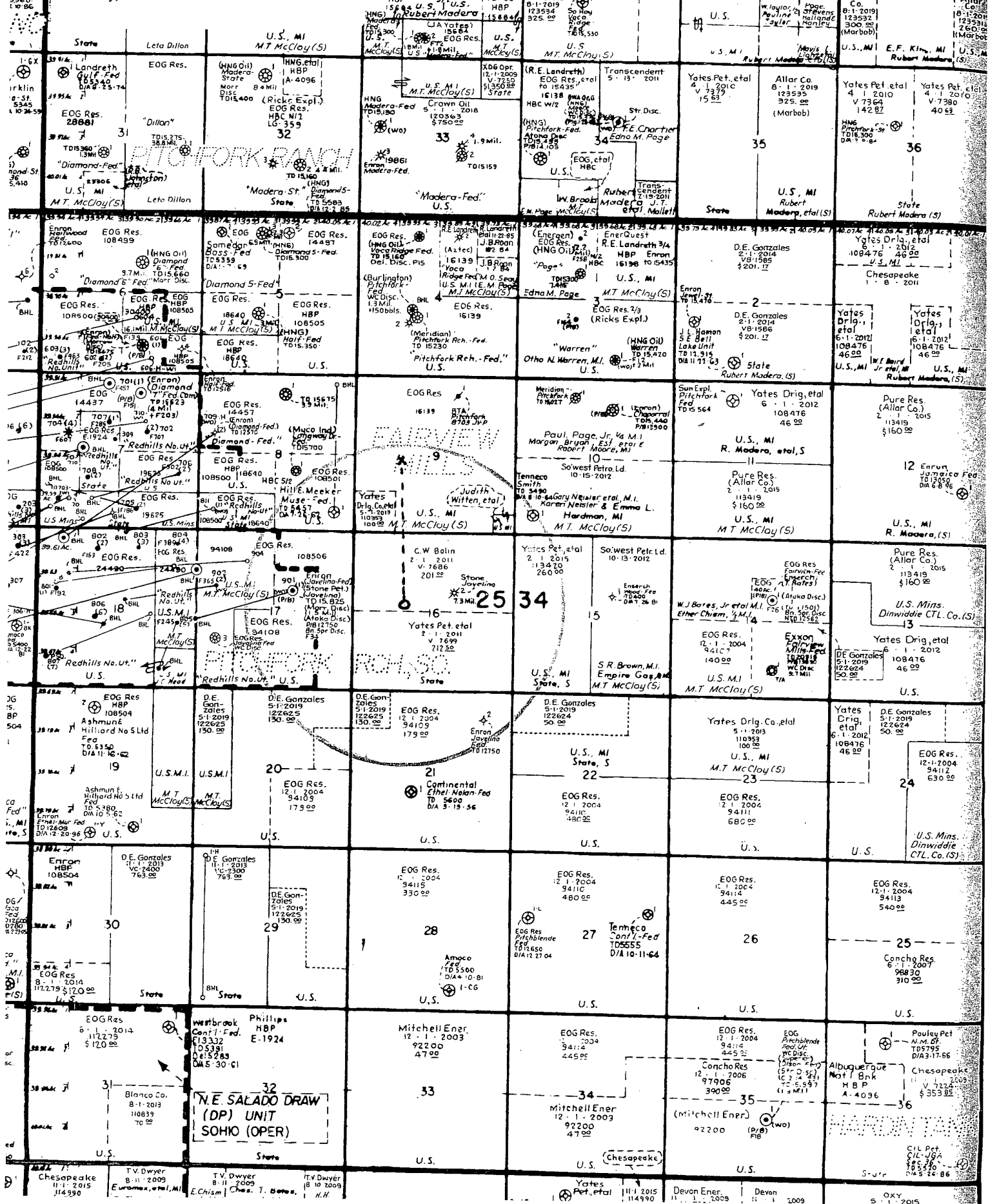


EOG RESOURCES, INC.

SURVEY FOR A ROAD EASEMENT CROSSING  
STATE OF NEW MEXICO LAND IN SECTION 16,  
TOWNSHIP 25 SOUTH, RANGE 34 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO

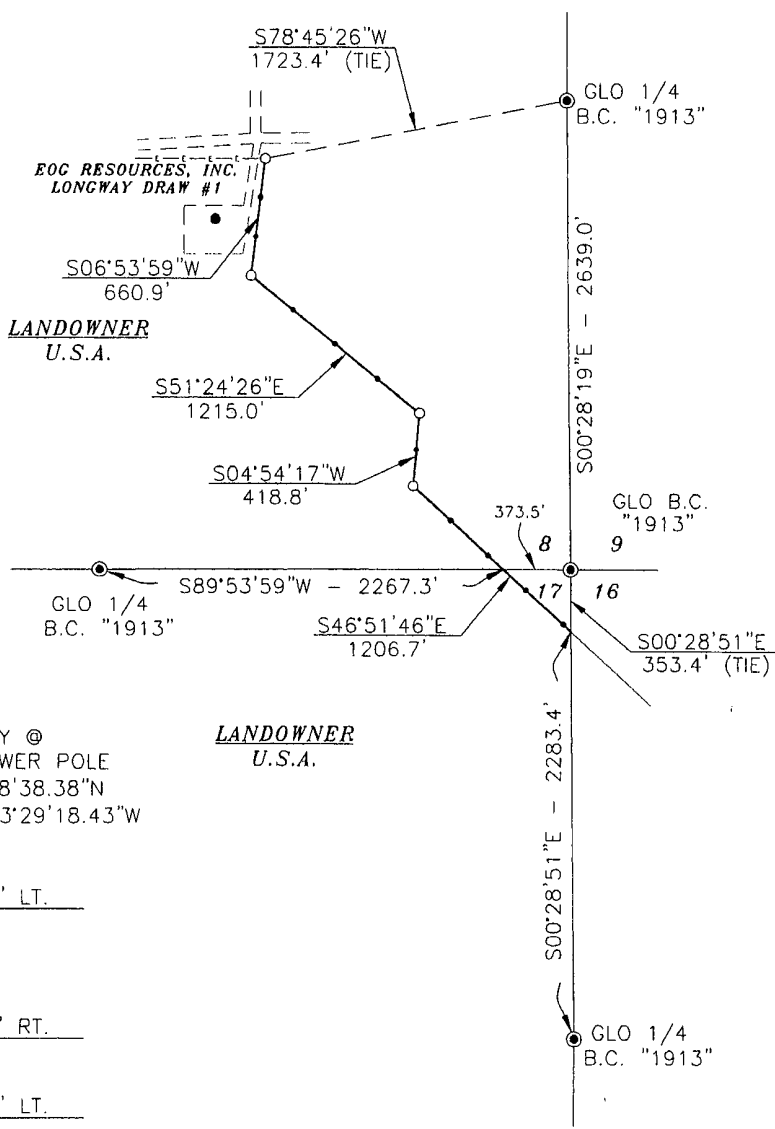
Survey Date: 08/06/10	Sheet 2 of 2 Sheets
W.O. Number: 100806RD	Drawn By: KA
Date: 08/10/10	100806RD.DWG Scale: 1"=1000'

Exhibit 3  
Joly 16 State Com 1H  
2470 FNL & 2210 FWL, U/L F, Sec 16,25S,34E (SL)  
2310 FSL & 2210 FWL, U/L K, Sec 9, 25S, 34E BHL  
Lea County, NM



SECTIONS 8 & 17, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,  
LEA COUNTY  
NEW MEXICO

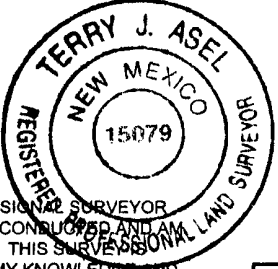
Basis of Bearings - GPS Geodetic Measurements  
NM East Zone (83) North American Datum of 1983



0+00.0 BEGIN SURVEY @  
EXISTING POWER POLE  
LAT. = 32°08'38.38"N  
NAD 27 LONG. = 103°29'18.43"W  
2+20.3 POLE #1  
4+40.6 POLE #2  
6+60.9 P.I. 58°18'25" LT.  
& POLE #3  
9+64.6 POLE #4  
12+68.4 POLE #5  
15+72.1 POLE #6  
18+75.9 P.I. 56°18'43" RT.  
& POLE #7  
20+85.3 POLE #8  
22+94.7 P.I. 51°46'03" LT.  
& POLE #9  
25+82.2 POLE #10  
28+69.6 POLE #11  
29+85.6 E-W SECTION LINE  
31+57.1 POLE #12  
34+44.6 POLE #13  
35+01.4 N-S SECTION LINE  
LAT. = 32°08'11.96"N  
NAD 27 LONG. = 103°28'58.73"W

DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 3501.4 FEET OR 0.663 MILES IN LENGTH CROSSING U.S.A. LAND IN SECTIONS 8 & 17, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED SURVEY.

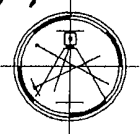


SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL ENGINEER AND 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* 8/16/2010  
Terry J. Asel N.M. R.P.S. No. 15079

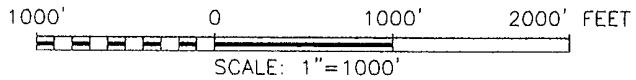
Asel Surveying



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

LEGEND

● - DENOTES FOUND MONUMENT AS NOTED

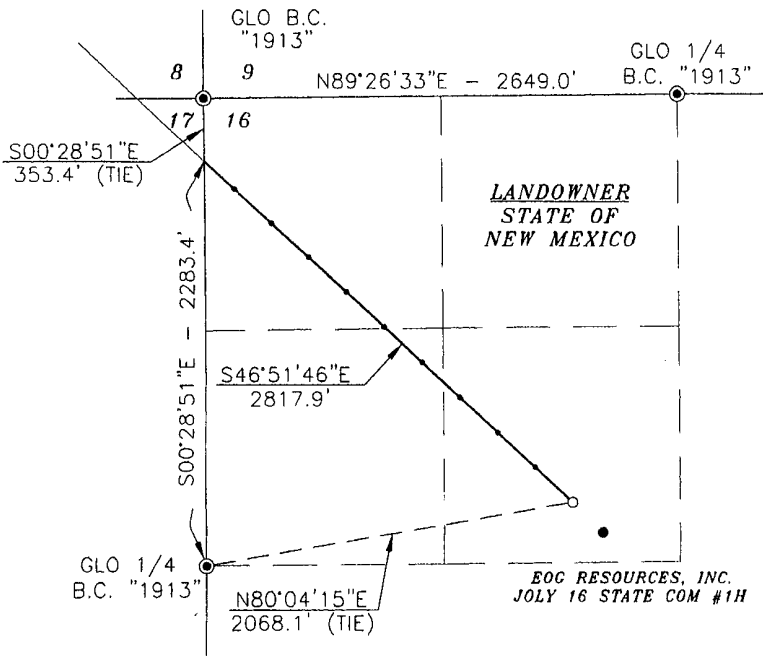


EOG RESOURCES, INC.

SURVEY FOR AN ELECTRIC LINE EASEMENT  
CROSSING U.S.A. LAND IN SECTIONS 8 & 17,  
TOWNSHIP 25 SOUTH, RANGE 34 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 08/10/10	Sheet 1 of 2 Sheets
W.O. Number: 100810EL	Drawn By: KA
Date: 08/13/10	100810EL.DWG Scale: 1"=1000'

SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,  
LEA COUNTY  
NEW MEXICO



North  
Basis of Bearings - GPS Geodetic Measurements  
NAD 83 North American Datum of 1983

35+01.4 N-S SECTION LINE  
NAD 27 LAT. = 32°08'11.96"N  
LONG. = 103°28'58.73"W  
37+32.1 POLE #14  
40+19.5 POLE #15  
43+07.0 POLE #16  
45+94.5 POLE #17  
48+81.9 POLE #18  
51+69.4 POLE #19  
54+56.9 POLE #20  
57+44.3 POLE #21  
60+31.8 POLE #22  
63+19.3 POLE #23 &  
END SURVEY @  
EOG RESOURCES, INC.  
JULY 16 STATE COM #1H  
NAD 27 LAT. = 32°07'52.74"N  
LONG. = 103°28'34.99"W

DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT ON THE WEST LINE OF SAID SECTION 16 WHICH LIES S00°28'51"E - 353.4 FEET FROM THE NORTHWEST CORNER OF SAID SECTION 16; THEN S46°51'46"E - 2817.9 FEET TO A POINT WHICH LIES N80°04'15"E - 2068.1 FEET FROM THE WEST QUARTER CORNER OF SAID SECTION 16.

SAID STRIP OF LAND BEING 2817.9 FEET OR 170.78 RODS IN LENGTH, CONTAINING 1.941 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS.

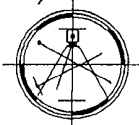
NW/4 NW/4 - 84.68 RODS OR 0.962 ACRES  
SW/4 NW/4 - 26.13 RODS OR 0.297 ACRES  
SE/4 NW/4 - 59.97 RODS OR 0.682 ACRES



SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL LAND SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED THIS SURVEY 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.

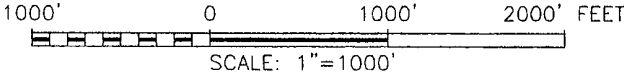
*Terry J. Asel* 8/16/2010  
Terry J. Asel N.M. R.P.S. No. 15079  
Asel Surveying



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

LEGEND

● - DENOTES FOUND MONUMENT AS NOTED

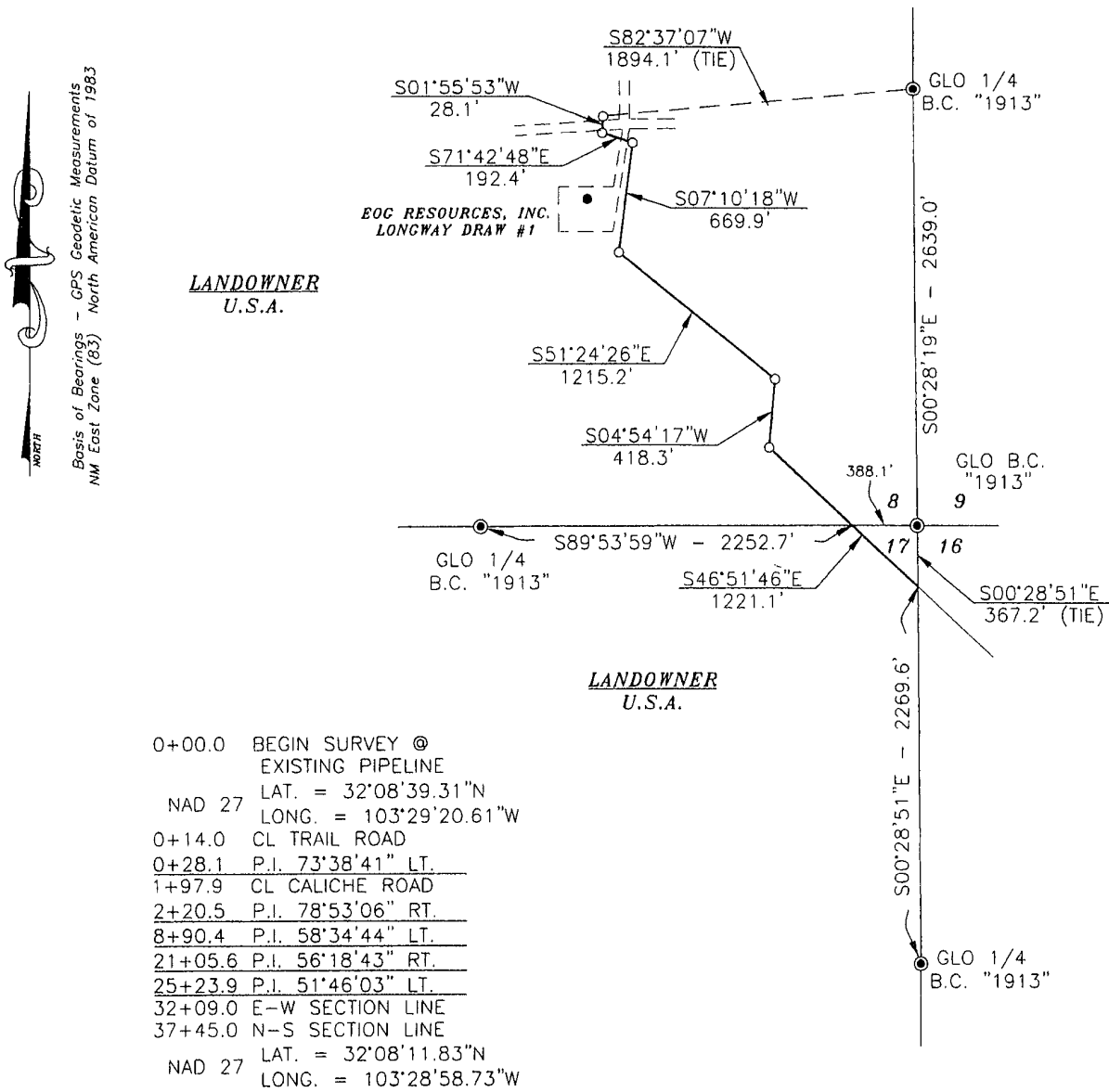


EOG RESOURCES, INC.

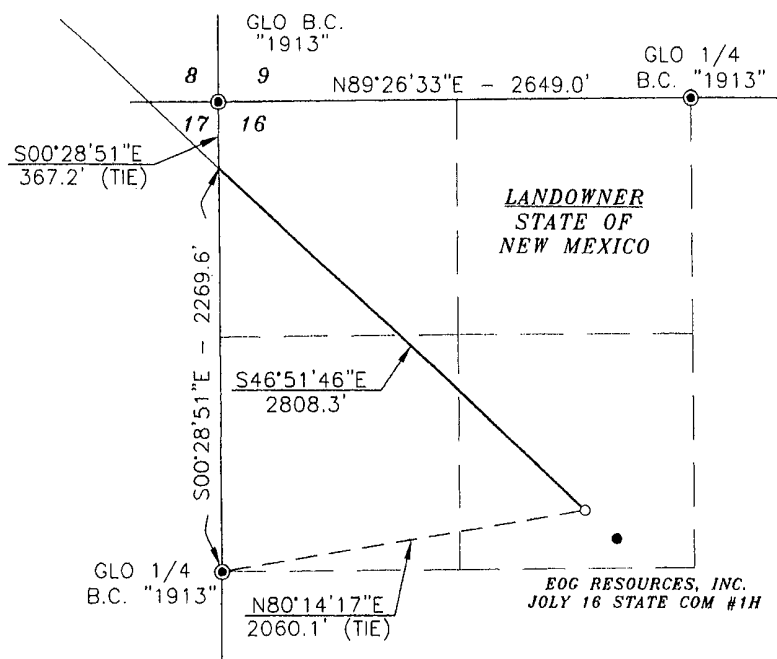
SURVEY FOR AN ELECTRIC LINE EASEMENT  
CROSSING STATE OF NEW MEXICO LAND IN  
SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34  
EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 08/10/10	Sheet 2 of 2 Sheets
W.O. Number: 100810EL	Drawn By: KA
Date: 08/13/10	100810EL.DWG Scale: 1"=1000'

SECTIONS 8 & 17, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,  
LEA COUNTY  
NEW MEXICO



SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,  
LEA COUNTY  
NEW MEXICO



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

37+45.0 N-S SECTION LINE  
NAD 27 LAT. = 32°08'11.83"N  
LONG. = 103°28'58.73"W  
65+53.3 END SURVEY @  
EOG RESOURCES, INC.  
JULY 16 STATE COM #1H  
NAD 27 LAT. = 32°07'52.66"N  
LONG. = 103°28'35.07"W

DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT ON THE WEST LINE OF SAID SECTION 16 WHICH LIES S00°28'51"E - 367.2 FEET FROM THE NORTHWEST CORNER OF SAID SECTION 16; THEN S46°51'46"E - 2808.3 FEET TO A POINT WHICH LIES N80°14'17"E - 2060.1 FEET FROM THE WEST QUARTER CORNER OF SAID SECTION 16.

SAID STRIP OF LAND BEING 2808.3 FEET OR 170.20 RODS IN LENGTH, CONTAINING 1.934 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS.

NW/4 NW/4 - 83.47 RODS OR 0.948 ACRES  
SW/4 NW/4 - 27.34 RODS OR 0.311 ACRES  
SE/4 NW/4 - 59.39 RODS OR 0.675 ACRES



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*Terry J. Asel* 8/16/2010  
Terry J. Asel N.M. R.P.S. No. 15079

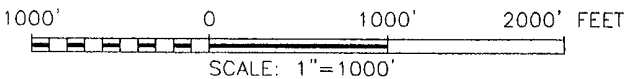
Asel Surveying



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

LEGEND

● - DENOTES FOUND MONUMENT AS NOTED




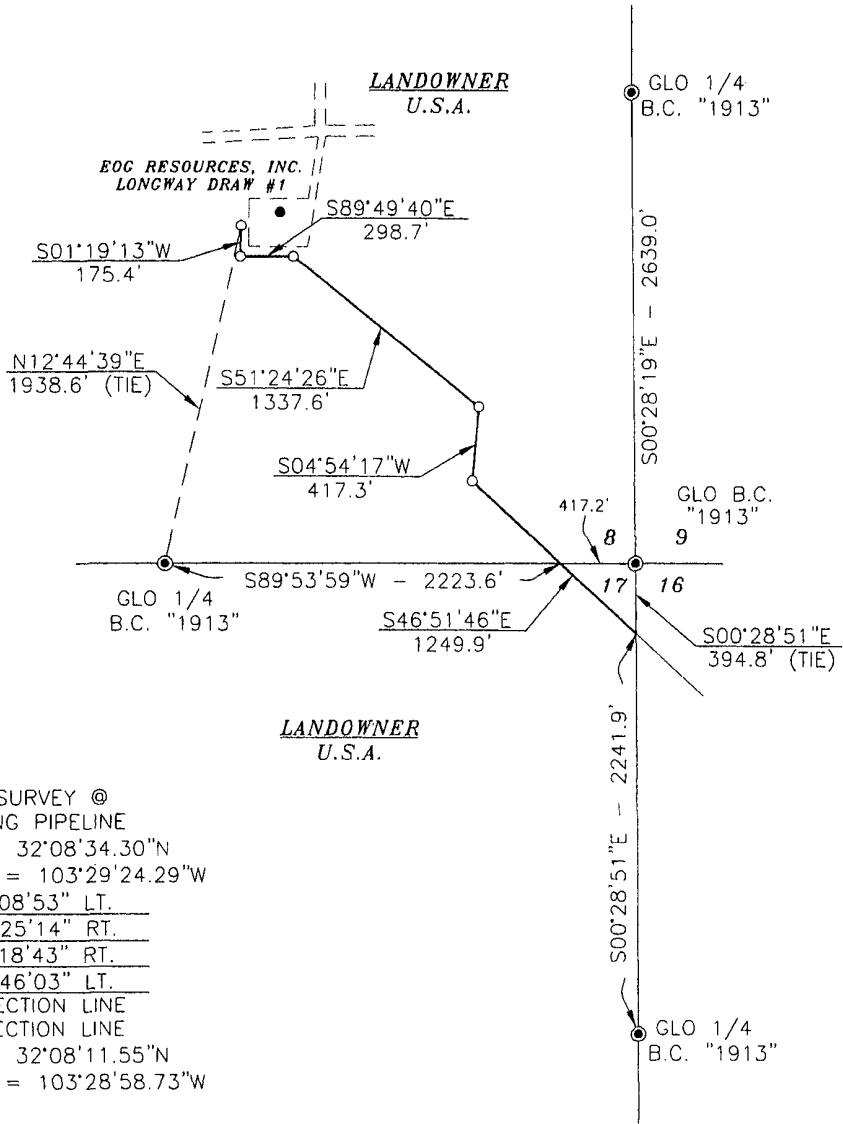
EOG RESOURCES, INC.

SURVEY FOR A SWD PIPELINE EASEMENT  
CROSSING STATE OF NEW MEXICO LAND IN  
SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34  
EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 08/10/10	Sheet 2 of 2 Sheets
W.O. Number: 100810PL-b	Drawn By: KA
Date: 08/13/10	100810PL-b.DWG Scale: 1"=1000'

SECTIONS 8 & 17, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,  
LEA COUNTY  
NEW MEXICO

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



0+00.0 BEGIN SURVEY @  
EXISTING PIPELINE  
LAT. = 32°08'34.30"N  
NAD 27 LONG. = 103°29'24.29"W  
1+75.4 P.I. 91°08'53" LT.  
4+74.1 P.I. 38°25'14" RT.  
18+11.7 P.I. 56°18'43" RT.  
22+29.0 P.I. 51°46'03" LT.  
29+02.5 E-W SECTION LINE  
34+78.9 N-S SECTION LINE  
LAT. = 32°08'11.55"N  
NAD 27 LONG. = 103°28'58.73"W

DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 3478.9 FEET OR 0.659 MILES IN LENGTH CROSSING U.S.A. LAND IN SECTIONS 8 & 17, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED SURVEY.



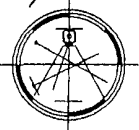
SURVEYORS CERTIFICATE

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Terry J. Asel N.M. R.P.S. No. 15079

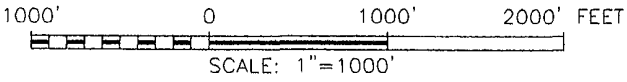
Asel Surveying

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



LEGEND

● - DENOTES FOUND MONUMENT AS NOTED



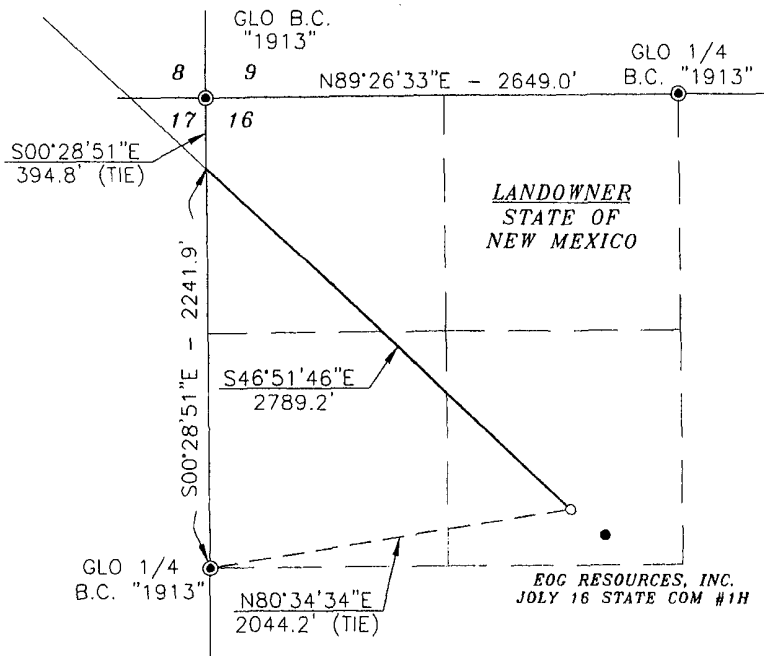
EOG RESOURCES, INC.

SURVEY FOR A GAS PIPELINE EASEMENT  
CROSSING U.S.A. LAND IN SECTIONS 8 & 17,  
TOWNSHIP 25 SOUTH, RANGE 34 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 08/10/10	Sheet 1 of 2 Sheets
W.O. Number: 100810PL-a	Drawn By: KA
Date: 08/13/10	100810PL-a.DWG Scale: 1"=1000'



SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,  
LEA COUNTY  
NEW MEXICO



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

34+78.9 N-S SECTION LINE  
NAD 27 LAT. = 32°08'11.55"N  
LONG. = 103°28'58.73"W

62+68.1 END SURVEY @  
EOG RESOURCES, INC.  
JOLY 16 STATE COM #1H  
NAD 27 LAT. = 32°07'52.52"N  
LONG. = 103°28'35.24"W

DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT ON THE WEST LINE OF SAID SECTION 16 WHICH LIES S00°28'51"E - 394.8 FEET FROM THE NORTHWEST CORNER OF SAID SECTION 16; THEN S46°51'46"E - 2789.2 FEET TO A POINT WHICH LIES N80°34'34"E - 2044.2 FEET FROM THE WEST QUARTER CORNER OF SAID SECTION 16.

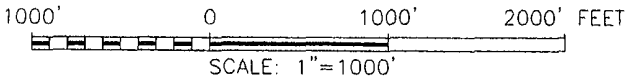
SAID STRIP OF LAND BEING 2789.2 FEET OR 169.05 RODS IN LENGTH, CONTAINING 1.921 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS.

NW/4 NW/4 - 81.05 RODS OR 0.921 ACRES  
SW/4 NW/4 - 29.76 RODS OR 0.338 ACRES  
SE/4 NW/4 - 58.24 RODS OR 0.662 ACRES



LEGEND

● - DENOTES FOUND MONUMENT AS NOTED



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*Terry J. Asel* 8/16/2010  
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

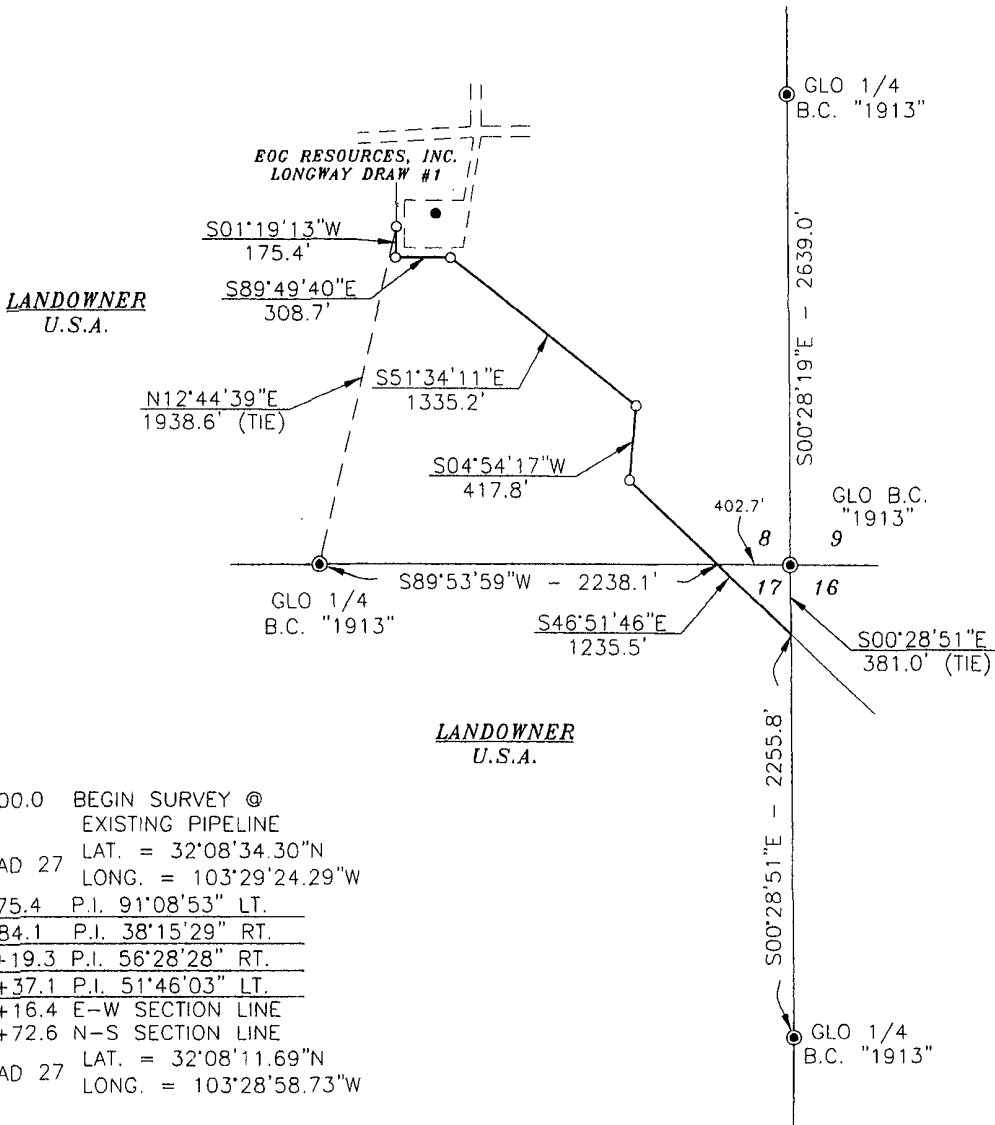
EOG RESOURCES, INC.

SURVEY FOR A GAS PIPELINE EASEMENT  
CROSSING STATE OF NEW MEXICO LAND IN  
SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34  
EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 08/10/10	Sheet 2 of 2 Sheets
W.O. Number: 100810PL-a	Drawn By: KA
Date: 08/13/10	100810PL-a.DWG Scale: 1"=1000'

SECTIONS 8 & 17, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,  
LEA COUNTY  
NEW MEXICO

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



0+00.0 BEGIN SURVEY @  
EXISTING PIPELINE  
LAT. = 32°08'34.30"N  
LONG. = 103°29'24.29"W  
NAD 27  
1+75.4 P.I. 91°08'53" LT.  
4+84.1 P.I. 38°15'29" RT.  
18+19.3 P.I. 56°28'28" RT.  
22+37.1 P.I. 51°46'03" LT.  
29+16.4 E-W SECTION LINE  
34+72.6 N-S SECTION LINE  
LAT. = 32°08'11.69"N  
LONG. = 103°28'58.73"W  
NAD 27

DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE AND 3472.6 FEET OR 0.658 MILES IN LENGTH CROSSING U.S.A. LAND IN SECTIONS 8 & 17, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE ABOVE PLATTED SURVEY.

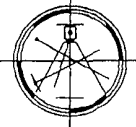


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*Terry J. Asel* 8/16/2010  
Terry J. Asel N.M. R.P.S. No. 15079

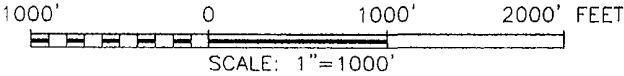
Asel Surveying



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

LEGEND

● - DENOTES FOUND MONUMENT AS NOTED

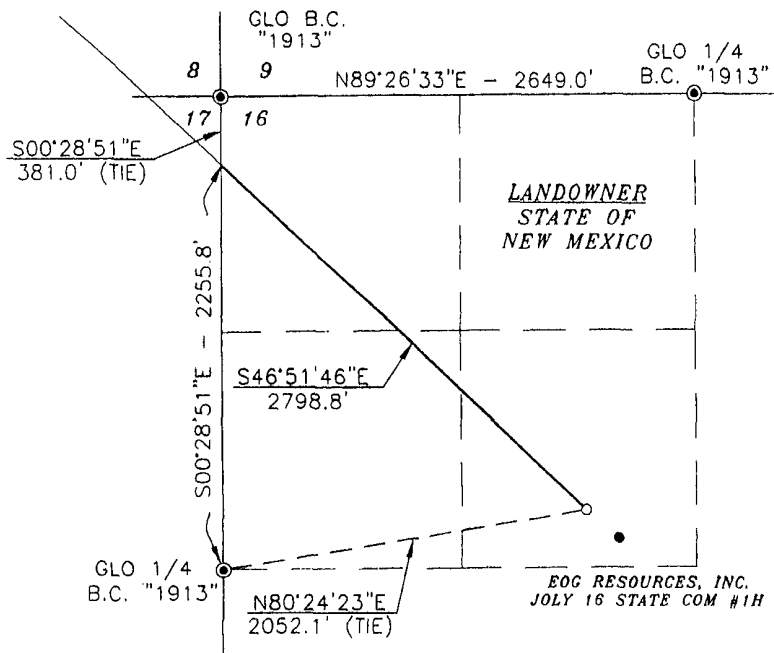


EOG RESOURCES, INC.

SURVEY FOR A GAS LIFT PIPELINE EASEMENT  
CROSSING U.S.A. LAND IN SECTIONS 8 & 17,  
TOWNSHIP 25 SOUTH, RANGE 34 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 08/10/10	Sheet 1 of 2 Sheets
W.O. Number: 100810PL-c	Drawn By: KA
Date: 08/13/10	100810PL-c.DWG Scale: 1"=1000'

# SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY NEW MEXICO



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

34+72.6 N-S SECTION LINE  
NAD 27 LAT. = 32°08'11.69"N  
LONG. = 103°28'58.73"W

62+71.4 END SURVEY @  
EOG RESOURCES, INC.  
JULY 16 STATE COM #1H  
NAD 27 LAT. = 32°07'52.59"N  
LONG. = 103°28'35.15"W

## DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND 15.0 FEET RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT ON THE WEST LINE OF SAID SECTION 16 WHICH LIES S00°28'51"E - 381.0 FEET FROM THE NORTHWEST CORNER OF SAID SECTION 16; THEN S46°51'46"E - 2798.8 FEET TO A POINT WHICH LIES N80°24'23"E - 2052.1 FEET FROM THE WEST QUARTER CORNER OF SAID SECTION 16.

SAID STRIP OF LAND BEING 2798.8 FEET OR 169.62 RODS IN LENGTH, CONTAINING 1.928 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS.

NW/4 NW/4 - 82.26 RODS OR 0.935 ACRES  
SW/4 NW/4 - 28.54 RODS OR 0.325 ACRES  
SE/4 NW/4 - 58.82 RODS OR 0.668 ACRES



## LEGEND

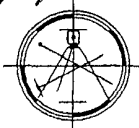
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Terry J. Asel N.M. R.P.S. No. 15079

Asel Surveying



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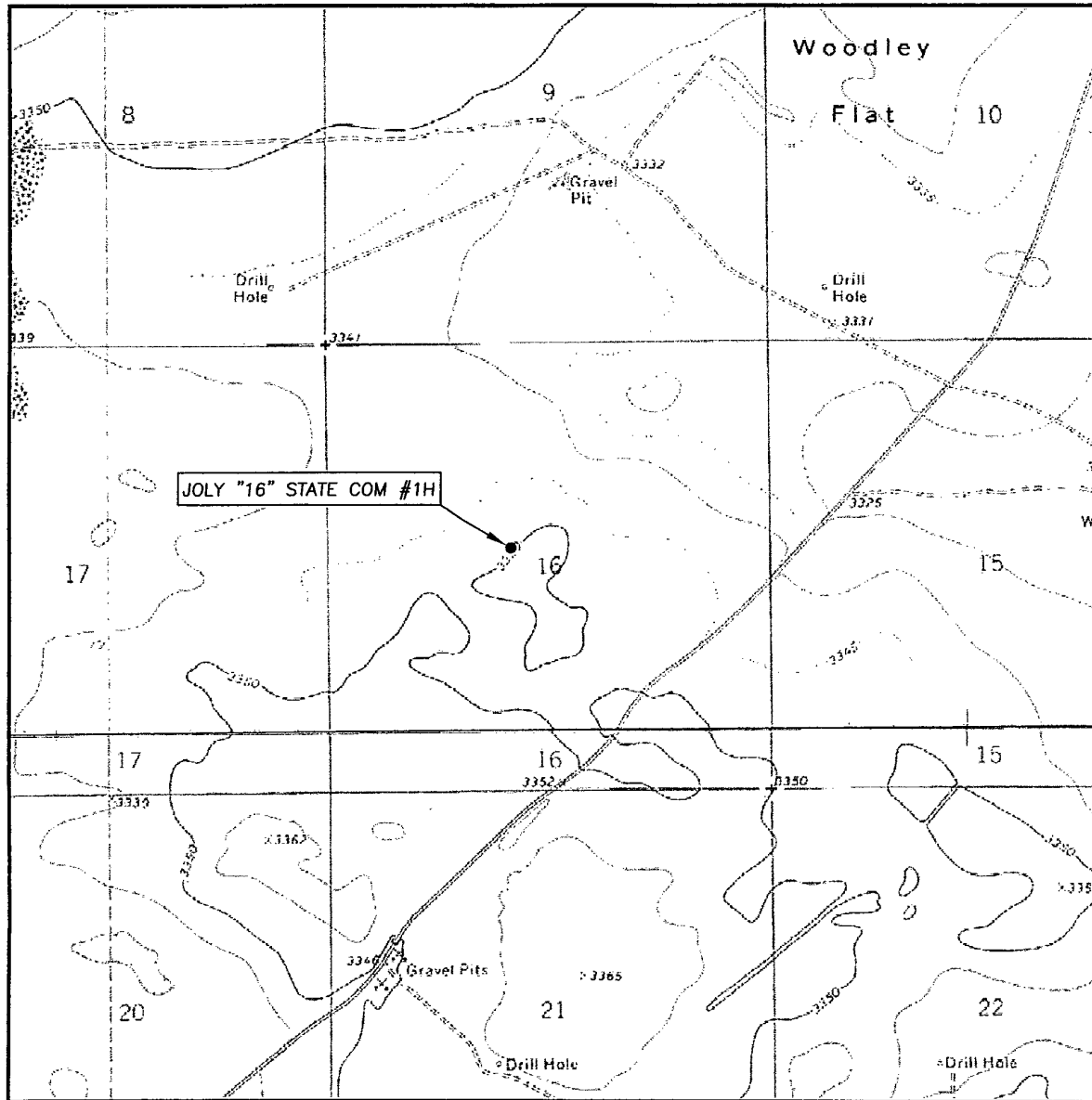
1000' 0 1000' 2000' FEET  
SCALE: 1"=1000'

## EOG RESOURCES, INC.

SURVEY FOR A GAS LIFT PIPELINE EASEMENT  
CROSSING STATE OF NEW MEXICO LAND IN  
SECTION 16, TOWNSHIP 25 SOUTH, RANGE 34  
EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 08/10/10	Sheet 2 of 2 Sheets
W.O. Number: 100810PL-c	Drawn By: KA
Date: 08/13/10	100810PL-c.DWG Scale: 1"=1000'

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

SEC. 16 TWP. 25-S RGE. 34-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 2470' FNL & 2210' FWL

ELEVATION 3350.8'

OPERATOR EOG RESOURCES, INC.

LEASE JULY "16" STATE COM #1H

U.S.G.S. TOPOGRAPHIC MAP  
WOODLEY FLAT, N.M.

Asel Surveying

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

