

New Mexico Oil Conservation Division
1625 N. French Drive
Hobbs, NM 88249

Form 3160-3
(August 1999)

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

D-04-47

APPLICATION FOR PERMIT TO DRILL OR REENTER

368

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. If Unit or CA Agreement, Name and No.
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		8. Lease Name and Well No. Diamond 6 Federal No.2
2. Name of Operator EOG Resources, Inc.		9. API Well No. 30-025-36628
3a. Address P.O. Box 2267 Midland, TX 79702	3b. Phone No. (include area code) (432) 686-3714	10. Field and Pool, or Exploratory Red Hills Bone Spring
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 2140' RW SN ED 2200' FNL & 330' FWL (U/L E) At proposed prod. Zone Carlsbad Controlled Water Basin same as Surface		11. Sec., T., R., M., or Blk. And Survey or Area Sec.6 T-25-S;R-34-E
14. Distance in miles and direction from nearest town or post office* 22 Mi. west from Jal NM		12. County or Parish Lea Co.
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. Unit line, if any) 330'		13. State NM
16. No. of Acres in lease 14497	17. Spacing Unit dedicated to this well 80ac. W/2NW/4	
18. Distance from proposed location* to nearest well, drilling, completed applied for, on this lease, ft.	19. Proposed Depth 12500	20. BLM/BIA Bond No. on file NM2308
21. Elevations (Show whether DF, KDB, RT, GL, etc) GL 3459'	22. Approximate date work will start* 4/1/2004	23. Estimated duration 60 days
24. Attachments		

The following completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office)
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above)
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Mike Francis</i>	Name (Printed/Typed) Mike Francis	Date 1/24/2004
Title Agent		

Approved by (Signature) <i>/s/ JOE G. LARA</i>	Name (Printed/Typed) <i>/s/ JOE G. LARA</i>	Date MAR 03 2004
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Title <i>Acting</i> FIELD MANAGER	Office CARLSBAD FIELD OFFICE
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Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

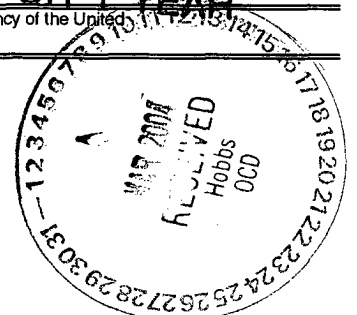
Conditions of approval, if any, are attached

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 reverse)

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

OPER. OGRID NO. 2377
PROPERTY NO. 4047
POOL CODE 51020
EFF. DATE 3/19/04
API NO. 30-025-36628



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
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.

FORM APPROVED
OMB NO. 1004-0135

Expires: November 30, 2000

5	Lease Serial No. NM 14497
6	If Indian, Allottee or Tribe Name
7	If Unit or CA/Agreement, Name and/or No.
8	Well Name and No. Diamond - "6" Federal No. 2
9	API Well No.
10	Field and Pool, or Exploratory Red Hills Bone Spring
11	County or Parish, State Lea Co. NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator EOG Resources, Inc.	
3a. Address P.O. Box 2267, Midland, TX 79702	3b. Phone No. (include area code) (915)686-3714
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2140' FNL & 330' FWL (U/L E) Section 6 T-25-S; R-34-E	

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 Change
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Surface Location
	<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 recompleate 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 recompleation 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.

BLM-Carlsbad has requested a change of surface location due to topographical concerns. Attached here with is revised plat reflecting approved surface location.

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

Title Agent

Signature

Mike France

Date

2/27/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

ISI JOE G. LARA

ACTING

FIELD MANAGER

Date

MAR 03 2004

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 thereon.

CARLSBAD FIELD OFFICE

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals, and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

Form C-102

Revised August 15, 2000

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-36628	² Pool Code 51020	³ Pool Name Red Hills Bone Spring
⁴ Property Code 4047	⁵ Property Name DIAMOND "6" FEDERAL	
⁷ OGRID No. 7377	⁶ Operator Name EOG RESOURCES, INC.	⁸ Well Number 2
		⁹ Elevation 3460'

¹⁰ Surface Location

UL or lot no. E	Section 6	Township 25 SOUTH	Range 34 EAST, N.M.P.M.	Lot Idn	Feet from the 2140'	North/South line NORTH	Feet from the 330'	East/West line WEST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 80	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ Order No.					

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>2140'</p> <p>330'</p> <p>NAD 27 NM E ZONE X = 752940 Y = 423176 LAT.: N 32.16079 LONG.: W 103.51597</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Mike Francis</i> Signature</p> <p>Mike Francis Printed Name</p> <p>Agent Title</p> <p>2/27/2004 Date</p>	
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>FEBRUARY 18, 2004 Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p> V. L. BEZNER Certificate Number</p> <p>V. L. BEZNER R.P.S. #7920 JOB # 93177 / 22 NE / E.U.O.</p>	



EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702
(432) 536-3500

February 4, 2004

Mr. Armando A. Lopez
Bureau of Land Management
2909 West Second Street
Roswell, New Mexico 88202

Re: APD
Diamond "6" Federal Well No. 2
Lease No. NMNM 14497A
Lea County, New Mexico

Dear Mr. Lopez:

Please be advised that EOG Resources, Inc. and Mark McCloy, surface owner, have reached an agreement concerning surface use and the payment of damages for the subject well.

Very truly yours,

EOG Resources, Inc.

A handwritten signature in black ink that reads "Mike Francis".

Mike Francis
ROW and Lease Operations Agent

MF/pcl

RECEIVED
2004 FEB - 5 AM 9:33
BUREAU OF LAND MGMT.
ROSWELL OFFICE

DRILLING PROGRAM

EOG RESOURCES, INC.
Diamond "6" Federal No.2
Lea Co. NM

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	1100'
Delaware Mt. Group	59270'
Bone Springs	9275'
3 rd Bone Spring Sand	12025'

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	Above 250'	Fresh Water
3 rd Bone Spring Sands	12,450'	Oil

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 11-3/4" casing at 650' and circulating cement back to surface, and 8-5/8" casing will be set at 5200' with cement circulated back to surface

4. CASING PROGRAM

<u>Hole Size</u>	<u>Interval</u>	<u>OD Casing</u>	<u>Weight Grade Jt. Cond. Type</u>
14-3/4"	0-650'	11-3/4"	42# H-40 ST&C
11"	0-5200'	8-5/8"	32# J-55 ST&C
7-7/8"	0-12,500'	5-1/2"	17#P-110 LT&C

Cementing Program:

11-3/4" Surface Casing:	Cement to surface with 250 sx Prem Plus, 3% Econolite, 25 Calcium Chloride, 0.25#/sx Flocele, 150 sx Prem Plus, 2% Calcium Chloride
8-5/8" Intermediate:	Cement to surface with 1100 sx Interfill C, .25#/sx flocele, 250 sx Premium Plus, 2% Calcium Chloride
5-1/2" Production	Cement w/1200sx 50/50 POZ+ 2% gel + 4% CF-14 + .1% Diacel LWL. This cement slurry is designed to bring TOC to 4500'.

DRILLING PROGRAM

EOG RESOURCES, INC.
Diamond "6" Federal No.2
Lea Co. NM

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

(SEE EXHIBIT #1)

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (5000 psi WP) preventer and an annular preventer (5000-psi WP). Units will be hydraulically operated and the ram-type will be equipped with blind rams on top and drill pipe rams on bottom. All BOP's and accessory equipment will be tested in accordance with Onshore Oil & Gas order No. 2. EOG request authorization to use a 2M system, providing for an annular preventer to be used prior to drilling the surface casing shoe before drilling out of surface casing. Before drilling out of 1st intermediate casing, the ram-type BOP and accessory equipment will be tested to 5000/1000 psi and the annular to 3500/5000-psig pressure.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

The well will be drilled to TD with a combination of brine, cut brine, and polymer/KCL mud system. The applicable depths and properties of this system are as follows:

<u>Depth</u>	<u>Type</u>	<u>Wt Viscosity</u> <u>(PPG)</u>	<u>Waterloss</u> <u>(sec)</u>	<u>(cc)</u>
0-1100	Fresh Water (Spud Mud)	8.5	40-45	N.C.
1100'-5200'	Brine Water	10.0	30	N.C.
5200''- TD	Cut Brine + Polymer/KCL	8.8 - 9.2	28	N.C

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

(A) A kelly cock will be kept in the drill string at all times.

(B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.

(C) A mud logging unit complete with H2S detector will be continuously monitoring drilling penetration rate and hydrocarbon shows from 5000' to TD.

DRILLING PROGRAM

**EOG RESOURCES, INC.
Diamond "6" Federal No.2
Lea Co. NM**

8. LOGGING, TESTING AND CORING PROGRAM:

Electric logging will consist of GR-Dual Laterlog-MSFL and GR-Compensated Density-Neutron from TD to intermediate casing with a GR- Compensated Neutron ran from Intermediate casing to surface..

Possible sidewall cores based on shows.

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

The estimated bottom hole temperature (BHT) at TD is 175 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 5000 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.

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 30-60 days will be required for completion and testing before a decision is made to install permanent facilities.

DRILLING PROGRAM

**EOG RESOURCES, INC.
Diamond "6" Federal No.2
Lea Co. NM**

SURFACE USE AND OPERATIONS PLAN

1. EXISTING ROADS:

Access to location will be made as shown on Exhibit #2

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.

2. PROPOSED ACCESS ROAD:

2120 new road is required. Exhibit #2a,2b

No turnouts necessary.

No culverts, cattleguards, gates, low-water crossings are necessary.

Surfacing material consists of native caliche to be obtained from the nearest BLM-approved caliche pit. Any additional materials required will be purchased from the dirt contractor.

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 FACILITIES:

There are no existing production facilities. If production is encountered, a temporary facility will be established on the drill pad, and if warranted, a production facility would be built at a later date in the immediate area of the drill pad location. If the well is productive, the flowline would also be located on the drill-pad site and no additional disturbance will occur.

5. LOCATION AND TYPE OF WATER SUPPLY:

Fresh water and brine water for drilling will come from commercial sources and transported to the well site over the roads as shown on Exhibit #2.

6. PLANS FOR RESTORATION OF THE SURFACE:

DRILLING PROGRAM

**EOG RESOURCES, INC.
Diamond "6" Federal No.2
Lea Co. NM**

After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Location will be cleaned of all trash and junk to leave the well in an aesthetically pleasing condition as possible.

Any unguarded pits containing fluid will be fenced until they are dry and back filled.

After abandonment of the well, surface restoration will be in accordance with current federal laws and regulations. Location will be cleaned, and the well pad removed to promote vegetation and disposal of human waste will be complied with. Trash, waste paper, garbage and junk will be hauled to an approved disposal site in an enclosed trash trailer.

All trash and debris will be removed from the well site within 30 days after finishing drilling and/or completion operations.

ANCILLARY FACILITIES:

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

WELL SITE LAYOUT:

Exhibit #4 shows the relative location and dimensions of the well pad.

DRILLING PROGRAM

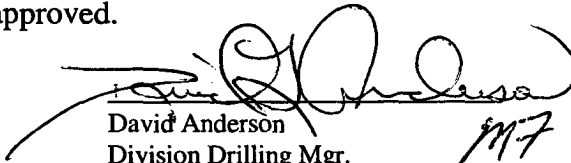
**EOG RESOURCES, INC.
Diamond "6" Federal No.2
Lea Co. NM**

OTHER INFORMATION:

The area around the well site is grassland and the topsoil is duned and sandy. The vegetation is native scrub grasses with abundant oakbrush, sagebrush, yucca, and prickly pear.

CERTIFICATION:

I HEREBY CERTIFY that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.


David Anderson
Division Drilling Mgr.
1/26/2004

M7
cl

DRILLING PROGRAM

**EOG RESOURCES, INC.
Diamond "6" Federal No.2
Lea Co. NM**

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.

EOG Resources, Inc.

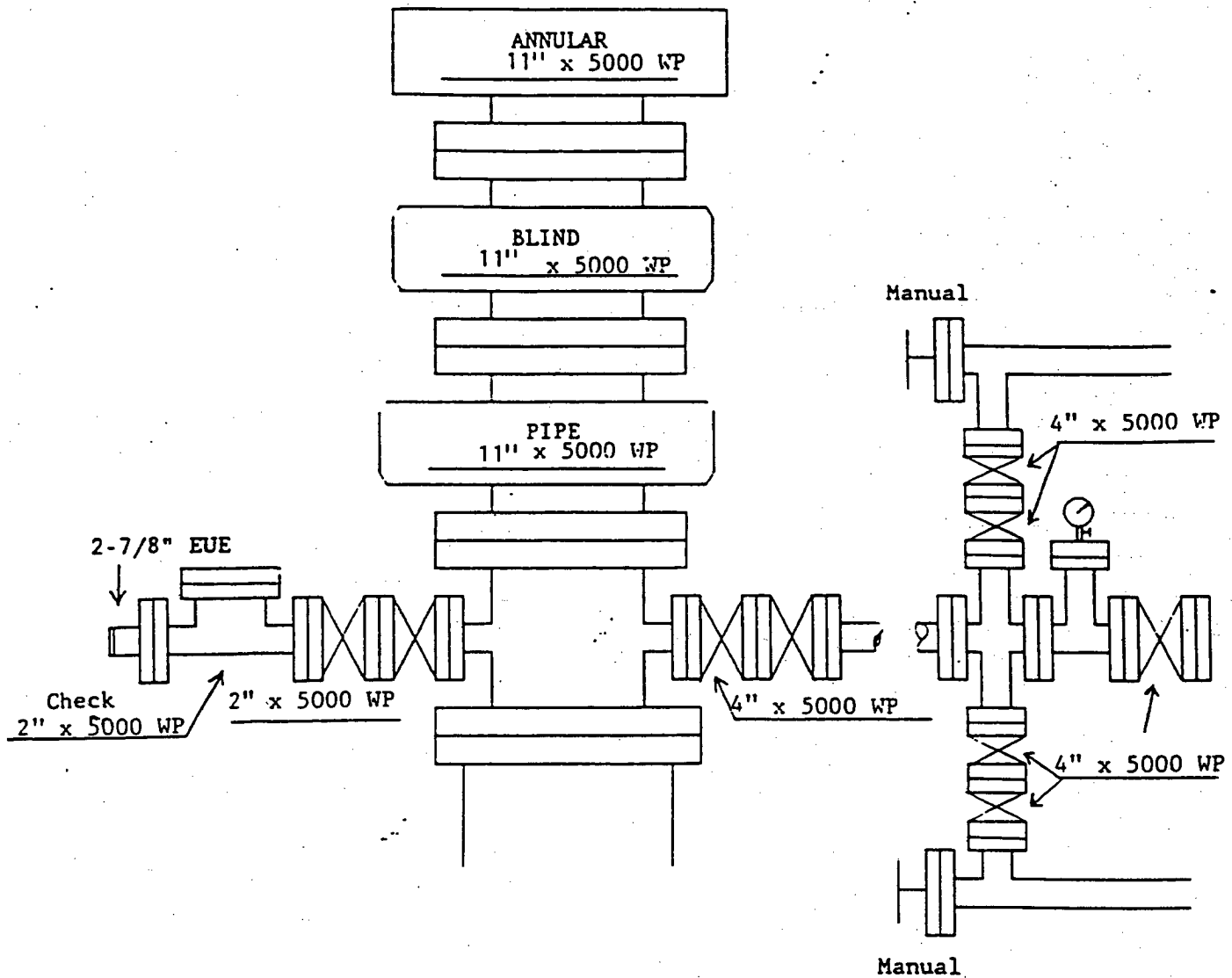
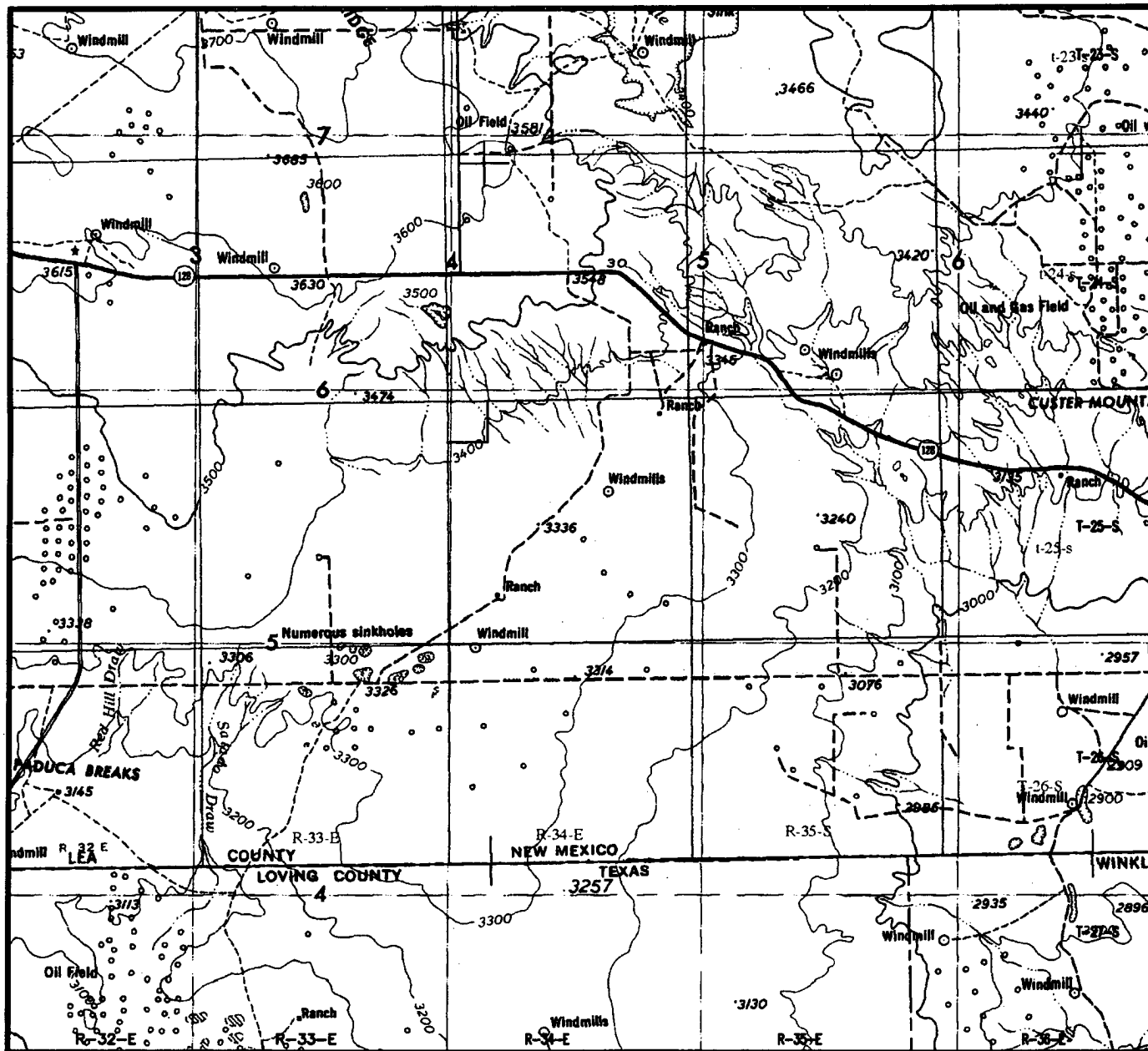


Exhibit 1

VICINITY MAP



SECTION 6 TWP 25-S RGE 34-E
 SURVEY NEW MEXICO PRINCIPAL MERIDIAN
 COUNTY LEA STATE NM
 DESCRIPTION 2200' FNL & 330' FWL

OPERATOR EOG RESOURCES, INC.
 LEASE DIAMOND "6" FEDERAL #2
 DISTANCE & DIRECTION FROM JAL GO WEST 23.0 MILES
ON STATE HWY. 128, THENCE SOUTHEAST ±2.0 MILES ON
DIAMOND ROAD, THENCE NORTHEASTERLY 3.8 MILES ON
LEASE ROAD, THENCE EAST 0.7 MILES ON LEASE ROAD,
THENCE SOUTH 1.9 MILES ON LEASE ROAD TO A POINT
±200' WEST OF THE LOCATION.

Exhibit No.2

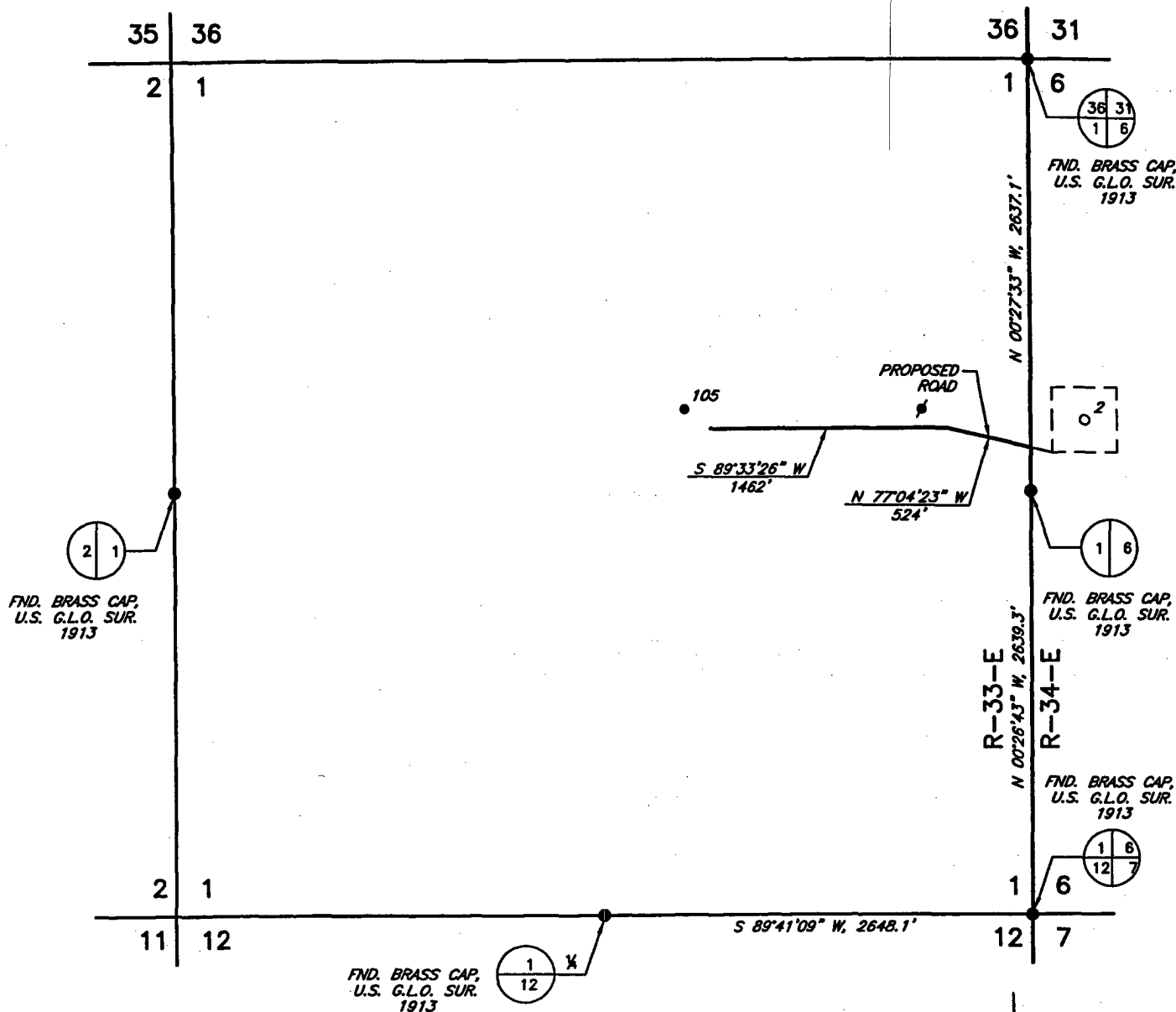


TOPOGRAPHIC LAND SURVEYORS

Surveying & Mapping for the Oil & Gas Industry

2903 N. BIG SPRING
 MIDLAND, TX. 79705
 (800) 767-1653

SECTION 1, TOWNSHIP 25 SOUTH, RANGE 33 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO

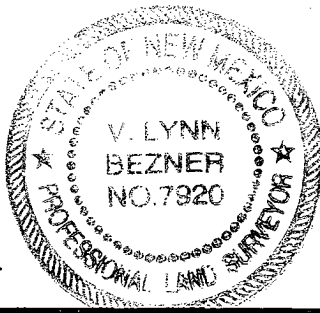


PLAN VIEW
1" = 1000'

Exhibit No.2a

I, V. L. BEZNER, A PROFESSIONAL SURVEYOR IN THE STATE OF NEW MEXICO AND AUTHORIZED AGENT OF TOPOGRAPHIC LAND SURVEYORS, HEREBY CERTIFY THIS PLAT TO BE A TRUE REPRESENTATION OF A SURVEY PERFORMED IN THE FIELD UNDER MY SUPERVISION, THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND THAT THIS PLAT AND FIELD SURVEY UPON WHICH IT IS BASED MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO. (RULE 500.6 EASEMENT SURVEYING)

V. Lynn Bezner 1-16-04
V. L. BEZNER, P.S. NO. 7920



0 1000
1" = 1000'

DATE OF FIELD WORK: JANUARY 15, 2004

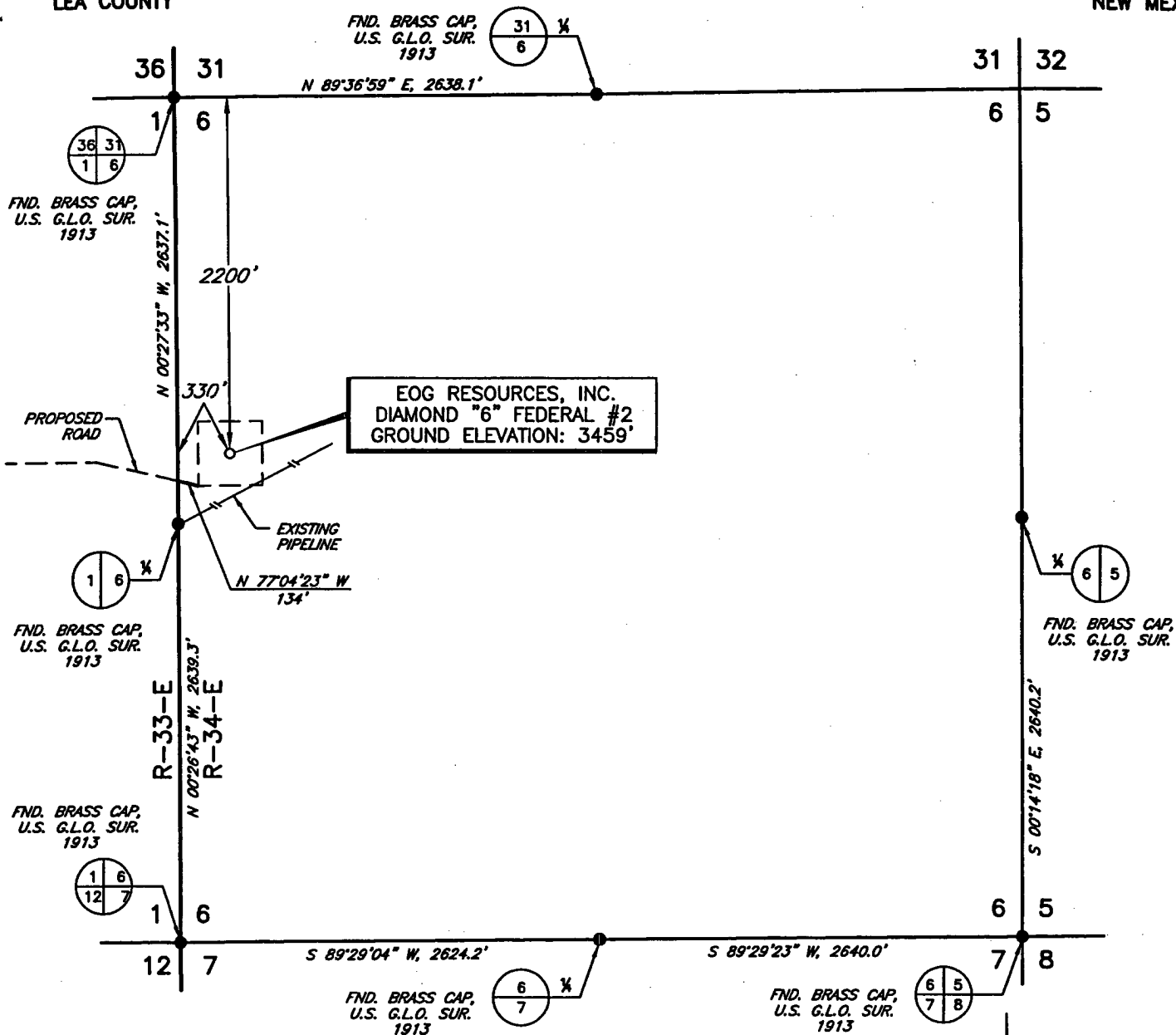
EOG RESOURCES, INC.

SURVEYING AND MAPPING BY
TOPOGRAPHIC LAND SURVEYORS
MIDLAND, TEXAS

SCALE: AS SHOWN
DATE: JANUARY 15, 2004
JOB NO.: 92446-F2
QUAD NO.: 22 NE
SHEET : 1 OF 1

NO.	REVISION	DATE	BY
SURVEYED BY:	H.V.		
DRAWN BY:	J.C.P.		
APPROVED BY:	V.L.B.		

SECTION 6, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.,
LEA COUNTY NEW MEXICO



PLAN VIEW.
1" = 1000'

I, V. L. BEZNER, A PROFESSIONAL SURVEYOR IN THE STATE OF NEW MEXICO AND AUTHORIZED AGENT OF TOPOGRAPHIC LAND SURVEYORS, HEREBY CERTIFY THIS PLAT TO BE A TRUE REPRESENTATION OF A SURVEY PERFORMED IN THE FIELD UNDER MY SUPERVISION, THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND THAT THIS PLAT AND FIELD SURVEY UPON WHICH IT IS BASED MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO. (RULE 500.6 EASEMENT SURVEYING)

Exhibit No. 2

V. Lynn Bezner 1-16-04
V. L. BEZNER, P.S. NO. 7920

0 1000
1" = 1000'

DATE OF FIELD WORK: JANUARY 15, 2004

EOG RESOURCES, INC.

SURVEYING AND MAPPING BY
TOPOGRAPHIC LAND SURVEYORS
MIDLAND, TEXAS

SCALE: AS SHOWN
DATE: JANUARY 15, 2004
JOB NO.: 92446-F1
QUAD NO.: 22 NE
SHEET: 1 OF 1

NO.	REVISION	DATE	BY
SURVEYED BY:	H.V.		
DRAWN BY:	J.C.P.		
APPROVED BY:	V.L.B.		

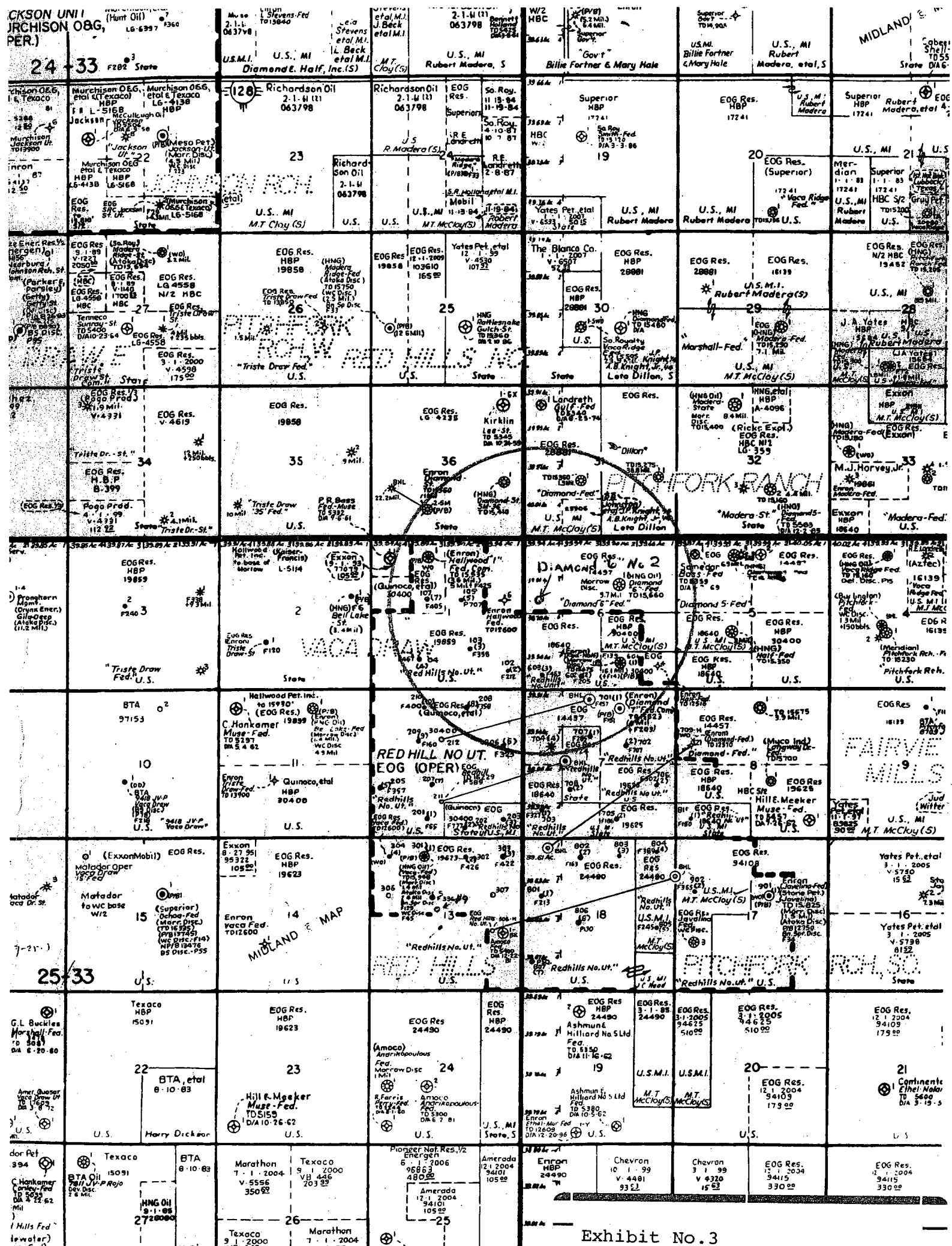
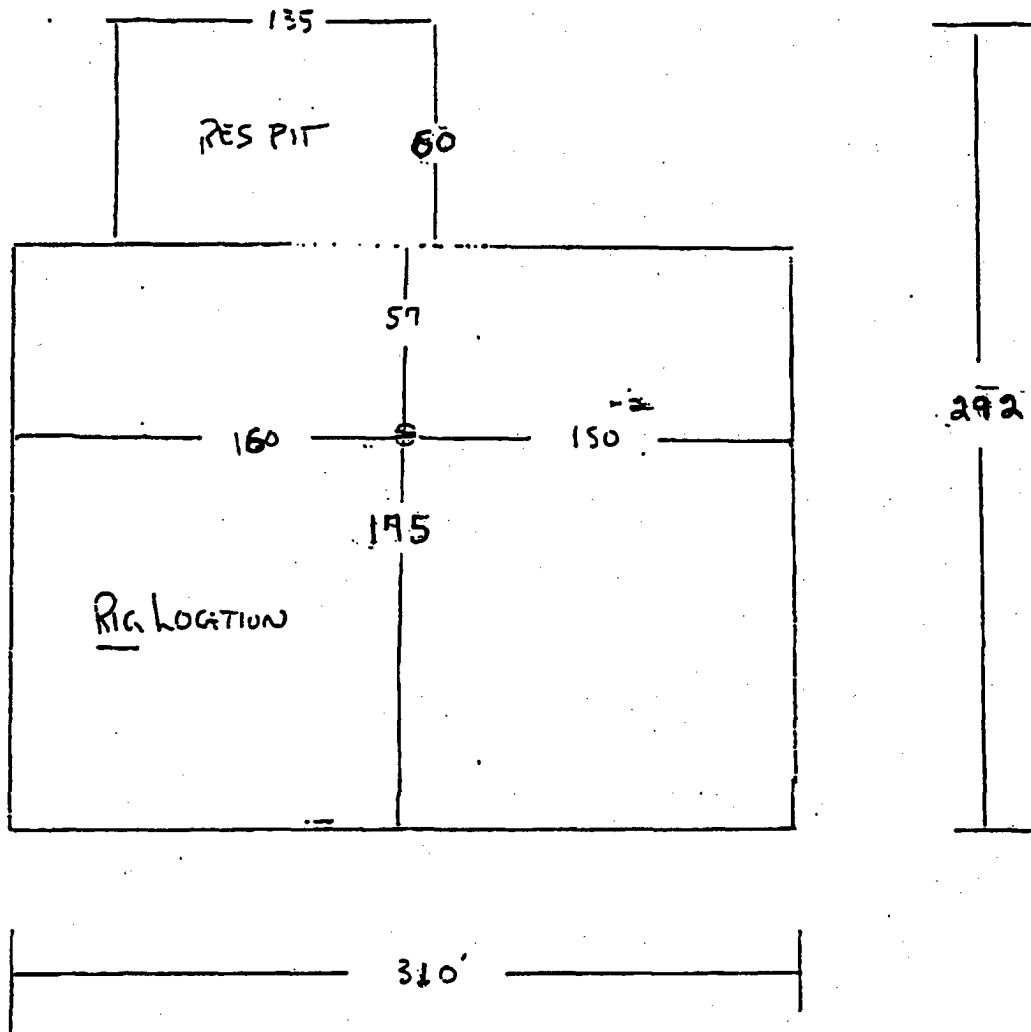
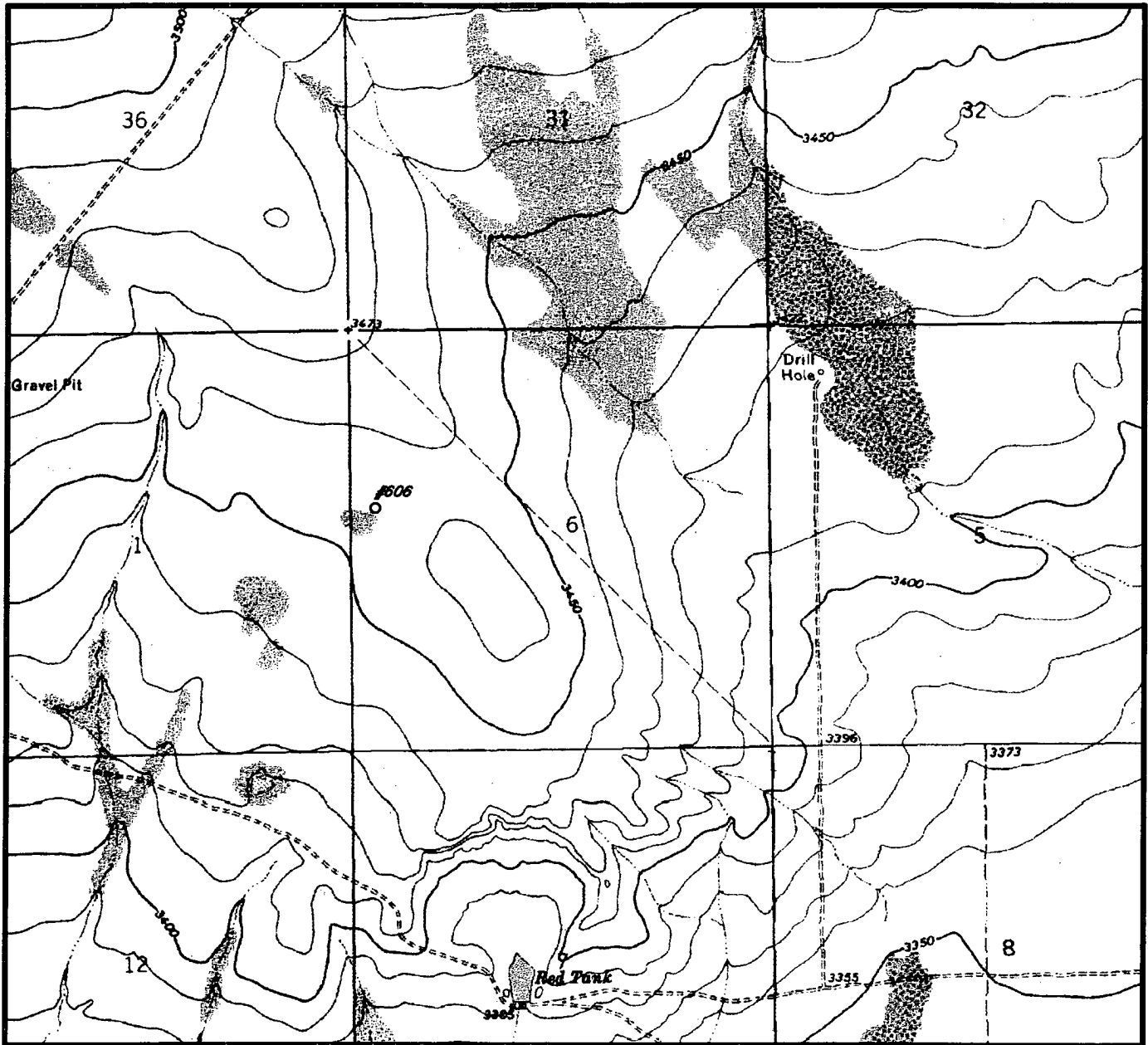


Exhibit No. 3

Exhibit No.4



LOCATION & ELEVATION VERIFICATION MAP



SCALE : 1" = 2000'

CONTOUR INTERVAL 10'

SECTION 6 TWP 25-S RGE 34-E

SURVEY NEW MEXICO PRINCIPAL MERIDIAN

COUNTY LEA STATE NM

DESCRIPTION 2200' FNL & 330' FWL

ELEVATION 3459'

OPERATOR EOG RESOURCES, INC.

LEASE DIAMOND "6" FEDERAL #2

U.S.G.S. TOPOGRAPHIC MAP
BELL LAKE, NEW MEXICO

SCALED LAT. N 32.16062

LONG. W 103.51597



TOPOGRAPHIC LAND SURVEYORS

Surveying & Mapping for the Oil & Gas Industry

2903 N. BIG SPRING
MIDLAND, TX. 79705
(800) 767-1653

Statement Accepting Responsibility For Operations

Operator Name: EOG Resources, Inc.
Street or Box: P.O. Box 2267
City, State: Midland, TX
Zip Code: 79702

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No.: NM 14497

Legal Description of Land: N/2 Section 6, T-25-S, R-34-E, NMPM
Lea., NM

Formation(s) (if applicable):

Bond Coverage: (*State if individually bonded or another's bond*) Individually

BLM Bond File No.: NM2308 with endorsement to State of NM

Authorized Signature:


Mike Francis

Title: Agent

Date: 1/24/2004