

Don  
EO 421

New Mexico Oil Conservation Division, District I  
1625 N. French Drive  
Hobbs, NM 88240

Form 3160-3  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

457

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NM12412	
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator EOG Resources, Inc. 7377		7. If Unit or CA Agreement, Name and No.	
3a. Address P.O. Box 2267 Midland, TX 79702		8. Lease Name and Well No. Lusk "23" Federal No.2 29116	
3b. Phone No. (include area code) (432) 686-3714		9. API Well No. 30-025-3672D	
4. Location of Well (Report location clearly and in accordance with any State requirements.) <b>SUBJECT TO LIKE APPROVAL BY STATE</b> At surface 330'FSL&330"FEL(U/LP) At proposed prod. Zone 500'FSL&500"FEL (U/LP)		10. Field and Pool, or Exploratory Lusk Morrow, Gas	
14. Distance in miles and direction from nearest town or post office* 22 Mi. west from Jal NM		11. Sec., T., R., M., or Blk. And Survey or Area Sec 23 T-19-S; R-32-E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. Unit line, if any) 500'		12. County or Parish Lea Co.	
16. No. of Acres in lease 2320		13. State NM	
17. Spacing Unit dedicated to this well 80 ac. E/2NE 320ac. E/2			
18. Distance from proposed location* to nearest well, drilling, completed applied for, on this lease, ft.		20. BLM/BIA Bond No. on file NM2308	
19. Proposed Depth 13700			
21. Elevations (Show whether DF, KDB, RT, GL, etc) GL 3459'		22. Approximate date work will start* 5/1/2004	
23. Estimated duration 45			
24. Attachments <b>Capitan Controlled Water Basin</b>			

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.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above)     |
| 2. A Drilling Plan.  | 5. Operator certification.   |
| 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) | 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 3/11/2004
Title Agent		

Approved by (Signature) <i>/s/ JOE G. LARA</i>	Name (Printed/Typed) <i>/s/ JOE G. LARA</i>	Date APR 2 1 2004
Title <i>JOE</i> FIELD MANAGER		Office CARLSBAD FIELD OFFICE

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 18 U.S.C. Section 1002, not to be used for any purpose 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)

**DECLARED WATER BASIN**

**CEMENT BEHIND THE**

**CASING MUST BE**

**DECLARED WATER BASIN**

**CEMENT BEHIND THE**

**CASING MUST BE**

**APPROVAL FOR 1 YEAR**

**APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED**

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

State of New Mexico

Form C-102

Energy, Minerals, and Natural Resources Department

Revised August 15, 2000

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

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

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

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-36720	<sup>2</sup> Pool Code 80770	<sup>3</sup> Pool Name Lusk Morrow, Gas
<sup>4</sup> Property Code 29116	<sup>5</sup> Property Name LUSK "23" FEDERAL	<sup>6</sup> Well Number 2
<sup>7</sup> OGRID No. 7377	<sup>8</sup> Operator Name EOG RESOURCES, INC.	<sup>9</sup> Elevation 3589'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	19 SOUTH	32 EAST, N.M.P.M.		330'	SOUTH	330'	EAST	LEA

<sup>11</sup> 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
P	23	19 SOUTH	32 EAST, N.M.P.M.		500'	SOUTH	500'	EAST	LEA
<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. NSL-5053 (NSBHL)						

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

<div><p>16</p><p>POINT OF ENTRY AT MORROW FORMATION &amp; BHL X = 685904 Y = 597009 LAT.: N 32.63983 LONG.: W 103.72940</p><p>NAD 27 NM E ZONE X = 686075 Y = 596840 LAT.: N 32.63936 LONG.: W 103.72885</p><p>AZ = 314.46° 241.0°</p><p>500' 330' 330' 500'</p></div>	<div><p><sup>17</sup> 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 Mike Francis Printed Name Agent Title 3/11/2004 Date</p><p><sup>18</sup> 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 4, 2004 Date of Survey</p><p>Signature and Seal of Professional Surveyor  V. LYNN BEZNER NO. 7920 Certificate Number V. L. BEZNER R.P.S. #7920 JOB #92972 / 72 NE / E.U.O.</p></div>
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BOTTOM HOLE INFORMATION  
PROVIDED BY EOG RESOURCES, INC.

**DRILLING PROGR**  
**Lusk 23 Federal No.2 Well**  
**LEA COUNTY, NM**

**1. GEOLOGIC NAME OF SURFACE FORMATION:**

Permian

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:**

Yates	2950'
Delaware	4925'
Bone Springs	7750'
Wolfcamp	10900'
Strawn	12150'
Atoka Shale	12600'
Morrow Clastics	13100'
Lower Morrow	13575'
Mississippian	13675'

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

Upper Permian Sands	Above 250'	Fresh Water
Delaware	4925'	Oil
Bone Spring	8500'	Oil
Wolfcamp	10900'	Oil
Strawn	12150'	Oil
Morrow	13200'	Gas

**4. CASING PROGRAM**

<u>Hole Size</u>	<u>Interval</u>	<u>OD Casing</u>	<u>Weight Grade</u>	<u>Jt. Cond. Type</u>
14 3/4"	0-400'	11 3/4"	42#	H-40 ST&C
11"	0-4000'	8 5/8"	32#	J-55 LT&C
11"	4800'	8 5/8"	32#	HCK LT&C
7 7/8"	0-13700'	5 1/2"	17#	S95/P110 L&TC

Cementing Program:

11 3/4" Surface Casing:	Cement to surface with 200 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 800 sx Interfill C, .25#/sx flocele, 250 sx Premium Plus, 2% Calcium Chloride
5 1/2" Production:	Cement w/930 sx Premium, 3% Econolite, 5#/sx Salt (3%), 0.2% HR5, .25#/sk Flocele, 250 sx Prem 50/50 Poz mix 'A', 2% Halliburton-Gel First 2%, 0.5% Halad-322. This is designed to bring TOC to 4500'.

**DRILLING PROGR**  
**Lusk 23 Federal No.2 Well**  
**LEA COUNTY, 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>
0-1300'	Fresh Water (Spud Mud)	8.5	40-45	N.C.
1300'-4800'	Brine Water	10.0	30	N.C.
5500'- TD	Cut Brine + Polymer/KCL	8.8 – 9.2 32	32	10

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 PROGR**  
**Lusk 23 Federal No.2 Well**  
**LEA COUNTY, NM**

**8. LOGGING, TESTING AND CORING PROGRAM:**

Electric logging will consist of GR-Dual Induction Focused and GR-Compensated Density-Neutron from TD to intermediate casing with a GR-Compensated Neutron run from intermediate casing to surface and optional Sonic from TD to Intermediate casing.

Possible sidewall cores based on shows.

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

The estimated bottom hole temperature (BHT) at TD is 200 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 6400 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 PROGR**  
**Lusk 23 Federal No.2 Well**  
**LEA COUNTY, 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:**

309' of 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 PROGR**  
**Lusk 23 Federal No.2 Well**  
**LEA COUNTY, 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 wellpad 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.

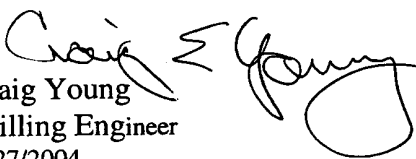
**DRILLING PROGR**  
**Lusk 23 Federal No.2 Well**  
**LEA COUNTY, NM**

**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.

  
Craig Young  
Drilling Engineer  
1/27/2004



**DRILLING PROGR**  
**Lusk 23 Federal No.2 Well**  
**LEA COUNTY, 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.

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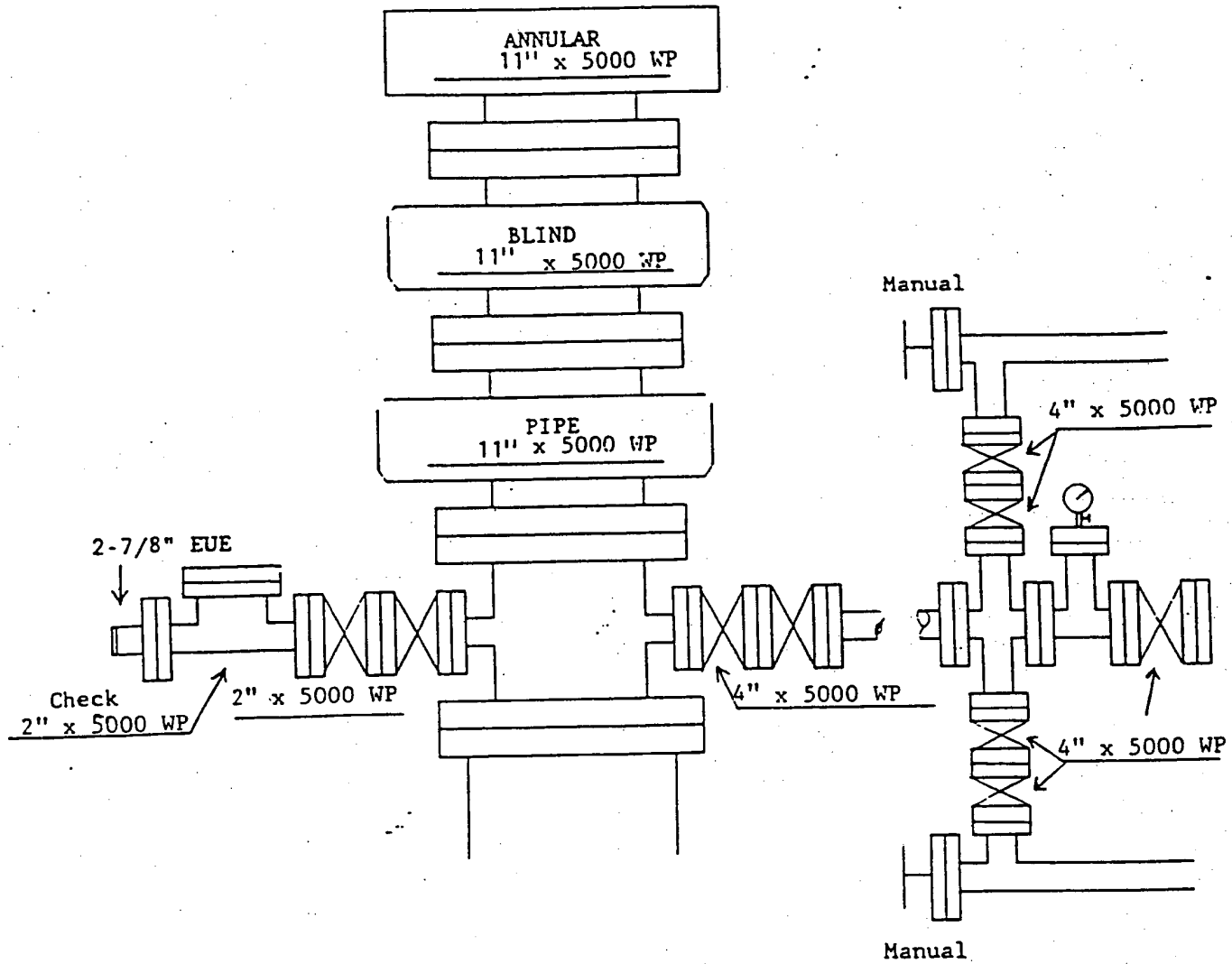
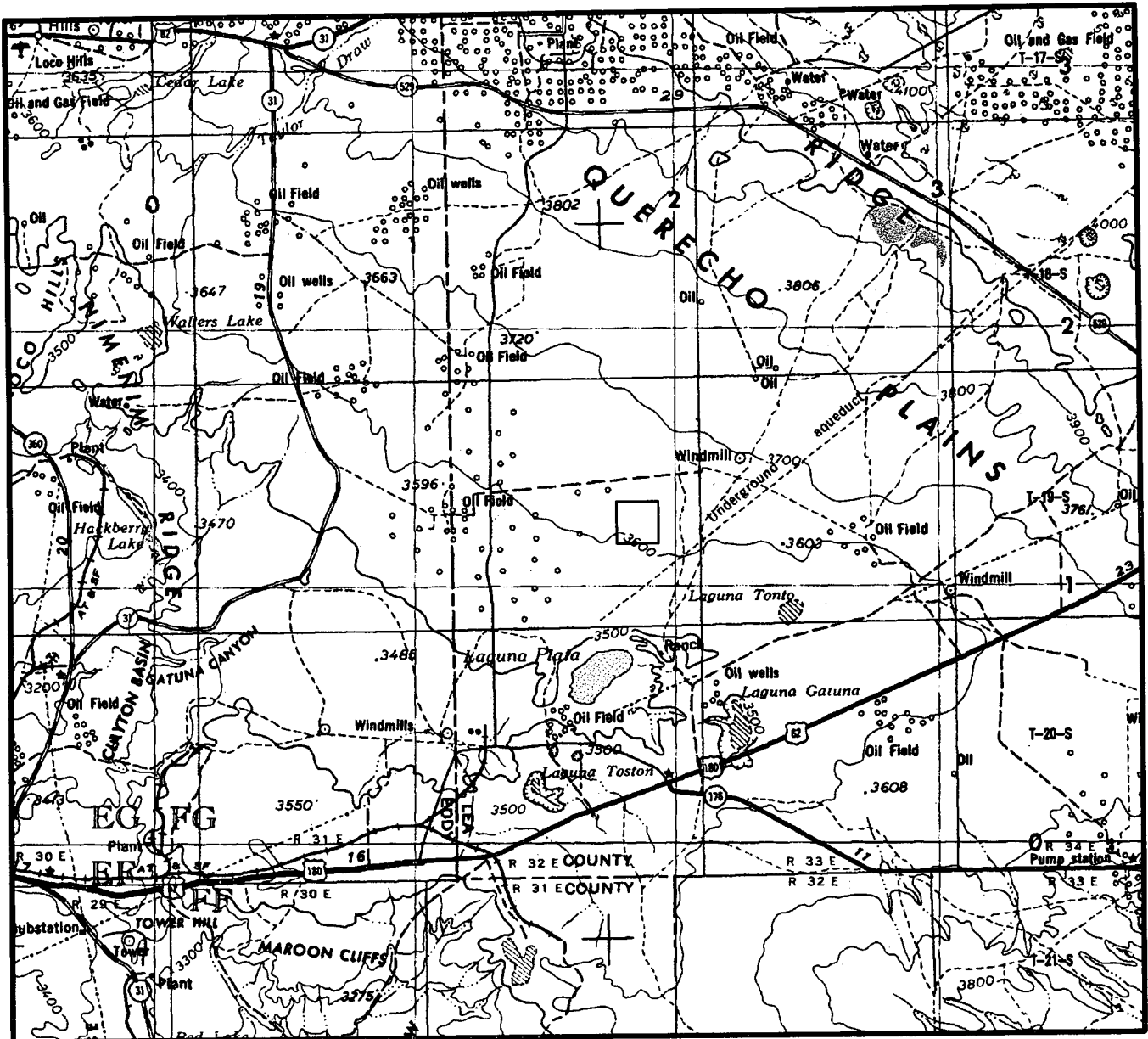


Exhibit 1

# VICINITY MAP



SECTION 23 TWP 19-S RGE 32-E  
 SURVEY NEW MEXICO PRINCIPAL MERIDIAN  
 COUNTY LEA STATE NM  
 DESCRIPTION 330' FSL & 330' FEL  
 OPERATOR EOG RESOURCES, INC.  
 LEASE LUSK FEDERAL "23" #2  
 DISTANCE & DIRECTION FROM HOBBS GO WEST 29.0  
MILES ON STATE HWY. 180, THENCE NORTHWEST ±4.0  
MILES ON LEASE ROAD, THENCE NORTHWESTERLY 2.0  
MILES ON JEEP TRAIL ROAD TO A POINT ±700' SOUTH OF  
 LOCATION

Exhibit 2

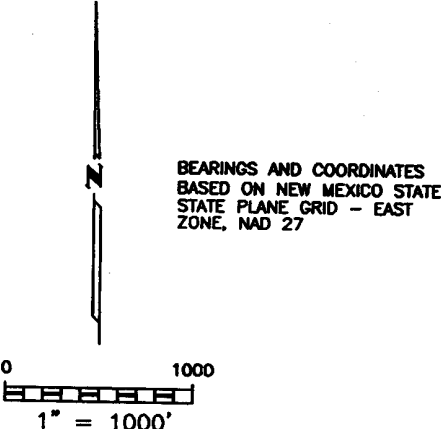
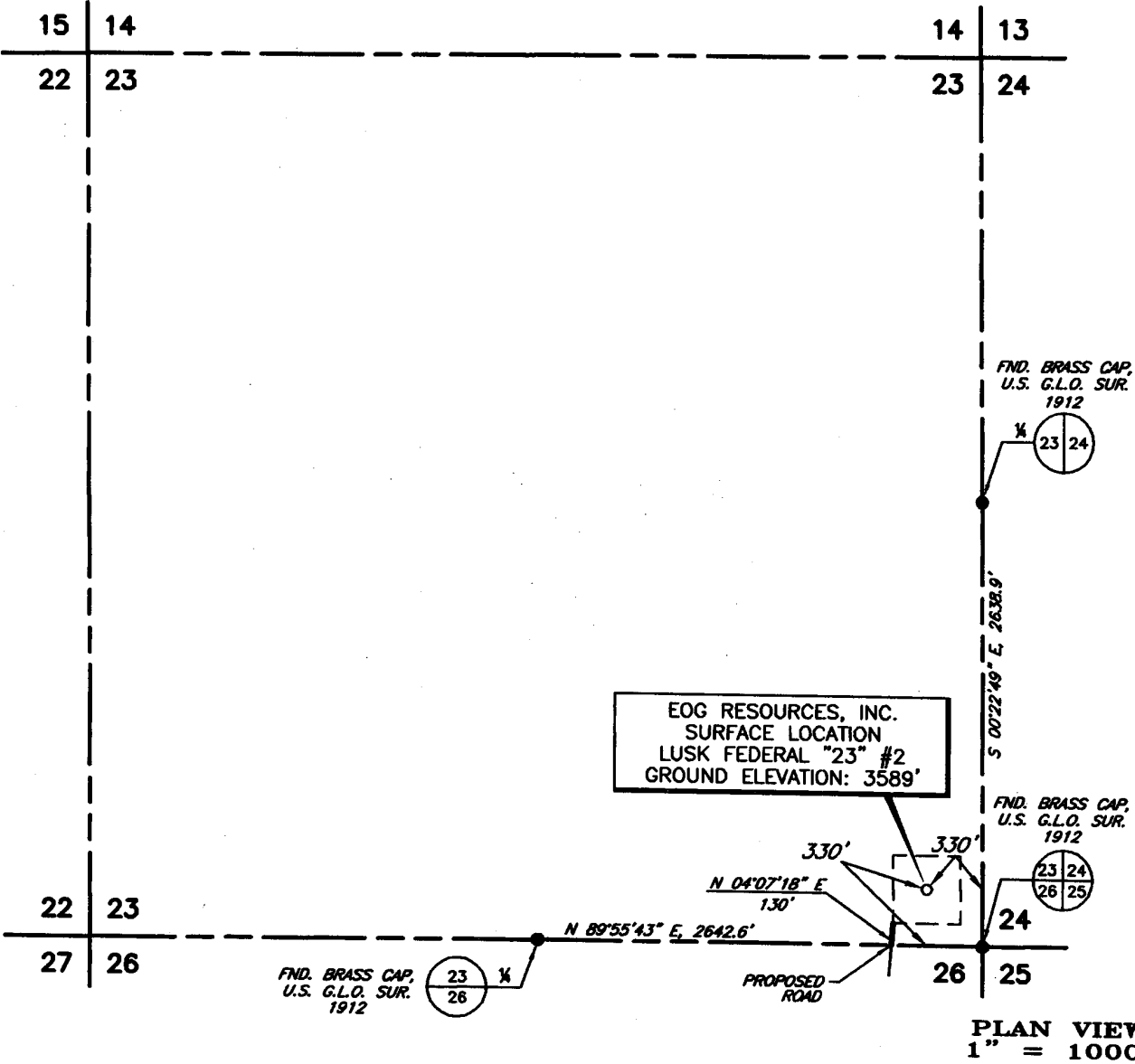


## TOPOGRAPHIC LAND SURVEYORS

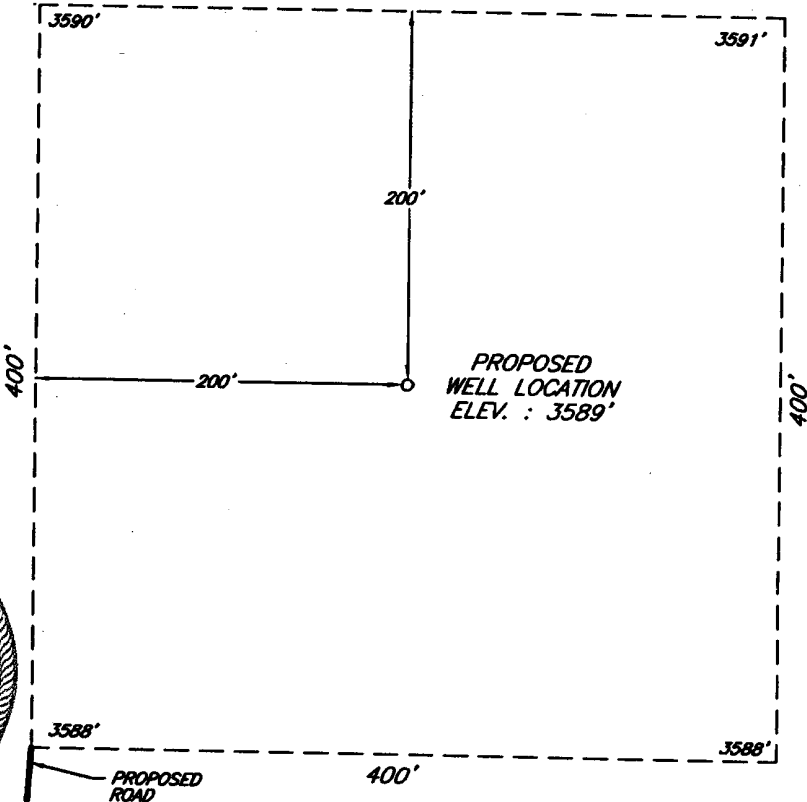
*Surveying & Mapping for the Oil & Gas Industry*

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

SECTION 23, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,  
LEA COUNTY NEW MEXICO



DATE OF FIELD WORK: FEBRUARY 4, 2004



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).

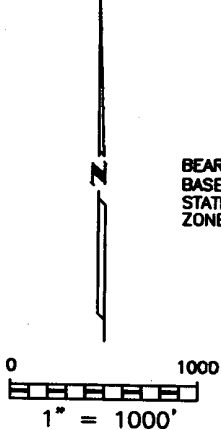
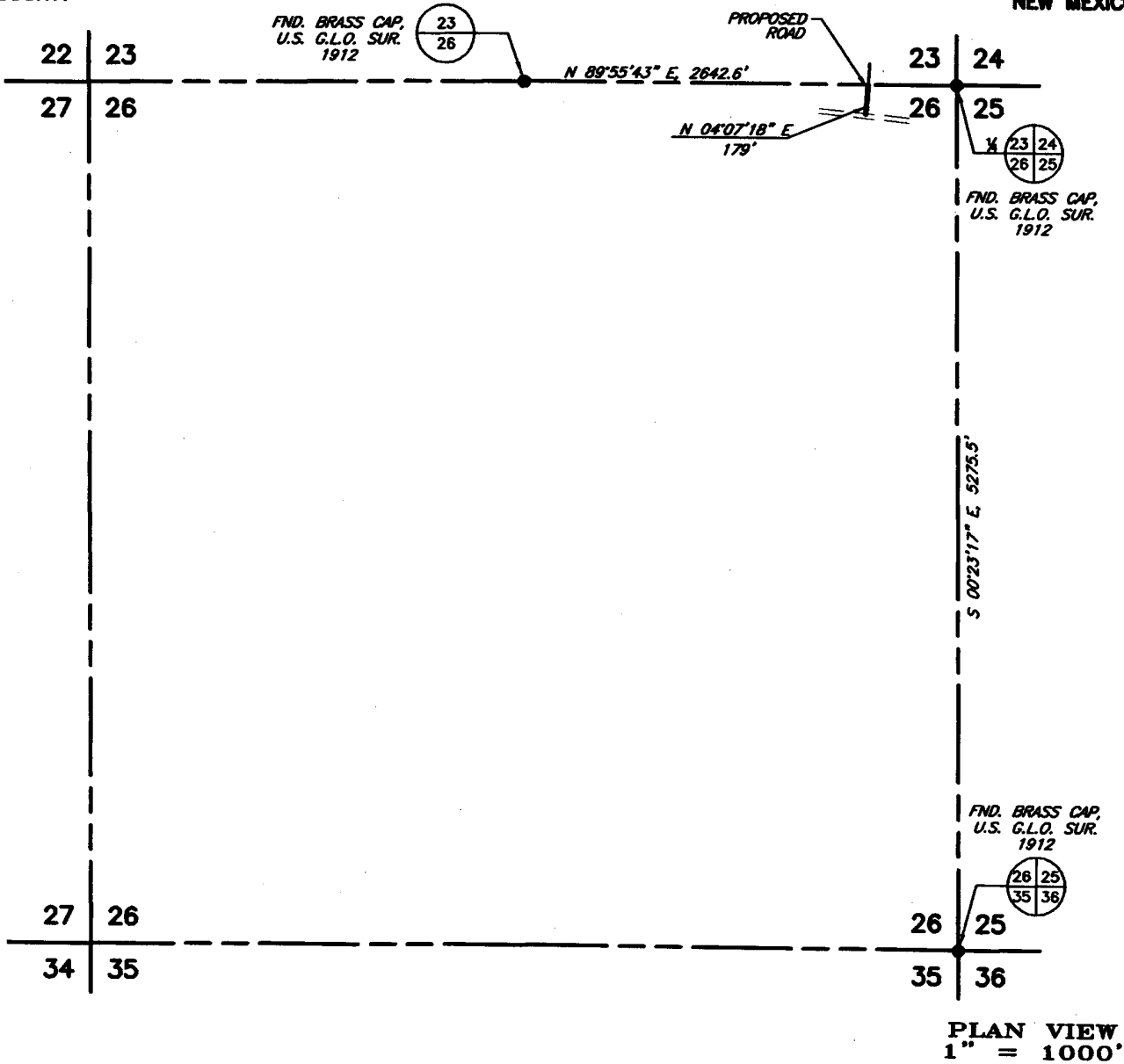
*V. L. Bezner*  
V. L. BEZNER, P.S. NO. 7920

NO. 7920  
PROFESSIONAL LAND SURVEYOR

DETAIL VIEW Exhibit 2b  
1" = 100'

				EOG RESOURCES, INC.		SCALE: 1" = 1000'	
						DATE: FEBRUARY 4, 2004	
NO.	REVISION	DATE	BY	SURVEYING AND MAPPING BY TOPOGRAPHIC LAND SURVEYORS MIDLAND, TEXAS		JOB NO.: 92972-F	
SURVEYED BY: H.V.						QUAD NO.: 72 NW	
DRAWN BY: E.U.O.						SHEET: 1 OF 1	
APPROVED BY: V.L.B.							

SECTION 26, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,  
LEA COUNTY NEW MEXICO

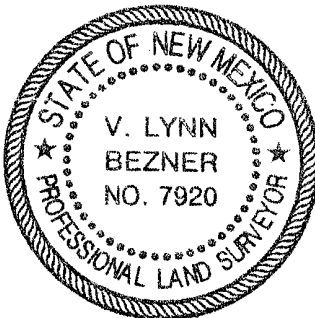


BEARINGS AND COORDINATES  
BASED ON NEW MEXICO STATE  
STATE PLANE GRID - EAST  
ZONE, NAD 27

Exhibit 2a

DATE OF FIELD WORK: FEBRUARY 4, 2004

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*  
V. L. BEZNER, P.S. NO. 7920

				<b>EOG RESOURCES, INC.</b>	SCALE: 1" = 1000'
					DATE: FEBRUARY 4, 2004
NO.	REVISION	DATE	BY		JOB NO.: 92972-F2
SURVEYED BY: H.V.					QUAD NO.: 72 NW
DRAWN BY: E.U.O.					
APPROVED BY: V.L.B.				<i>SURVEYING AND MAPPING BY</i> <b>TOPOGRAPHIC LAND SURVEYORS</b> <i>MIDLAND, TEXAS</i>	SHEET : 1 OF 1

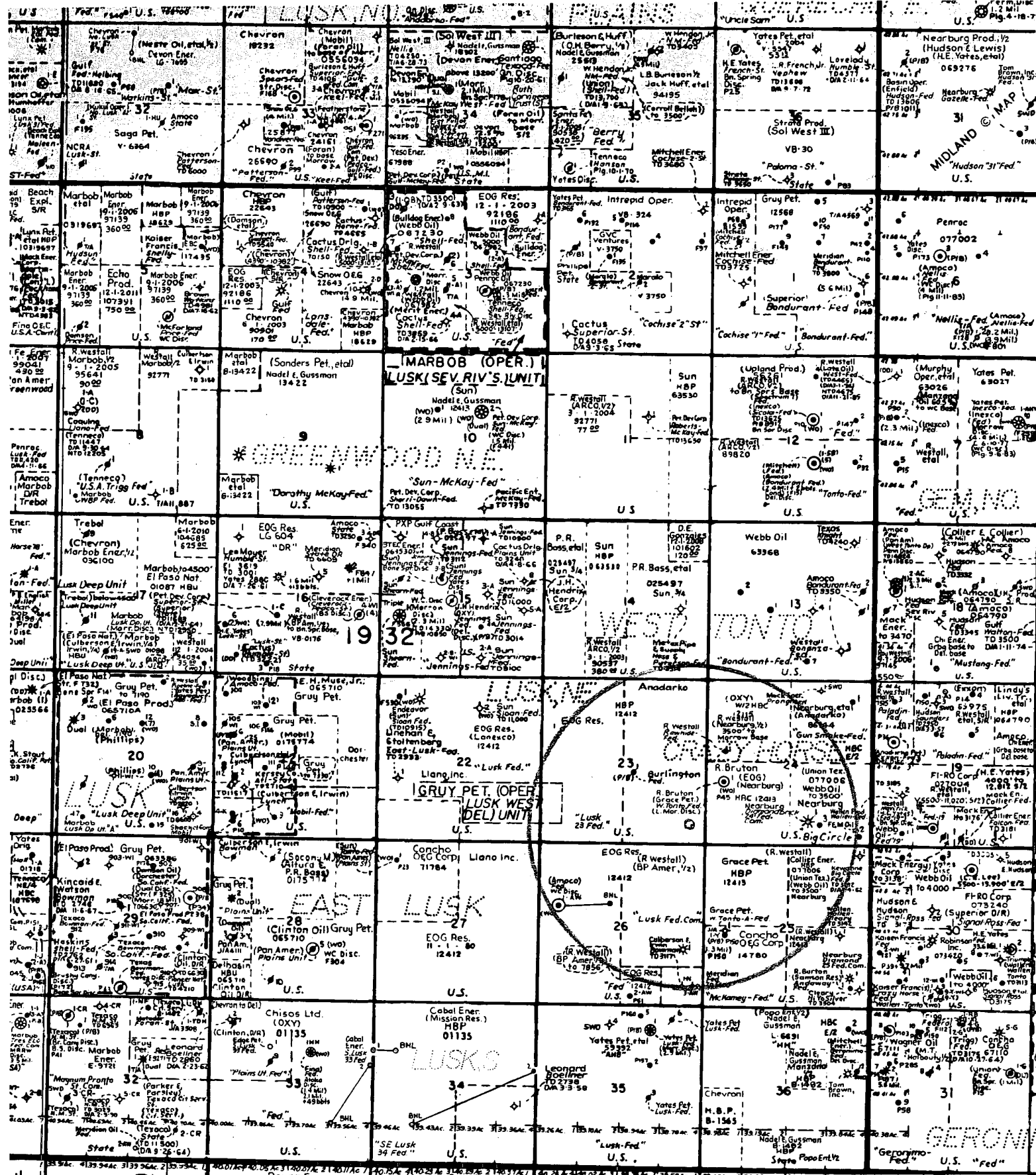
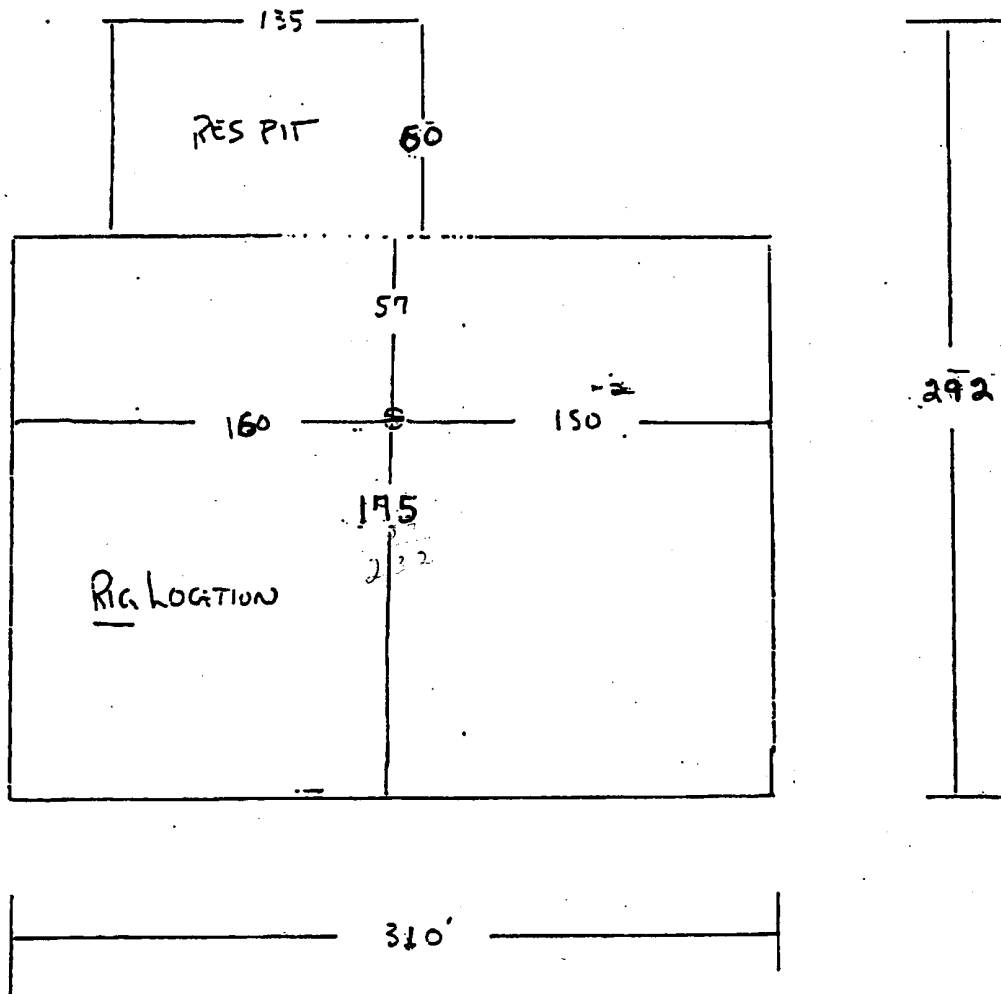


Exhibit 3

Wells within Noe(1) mile of proposed well

Exhibit 4



### 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 12412

**Legal Description of Land:** E/2 Sec.23 T-19-S;R-32-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:**

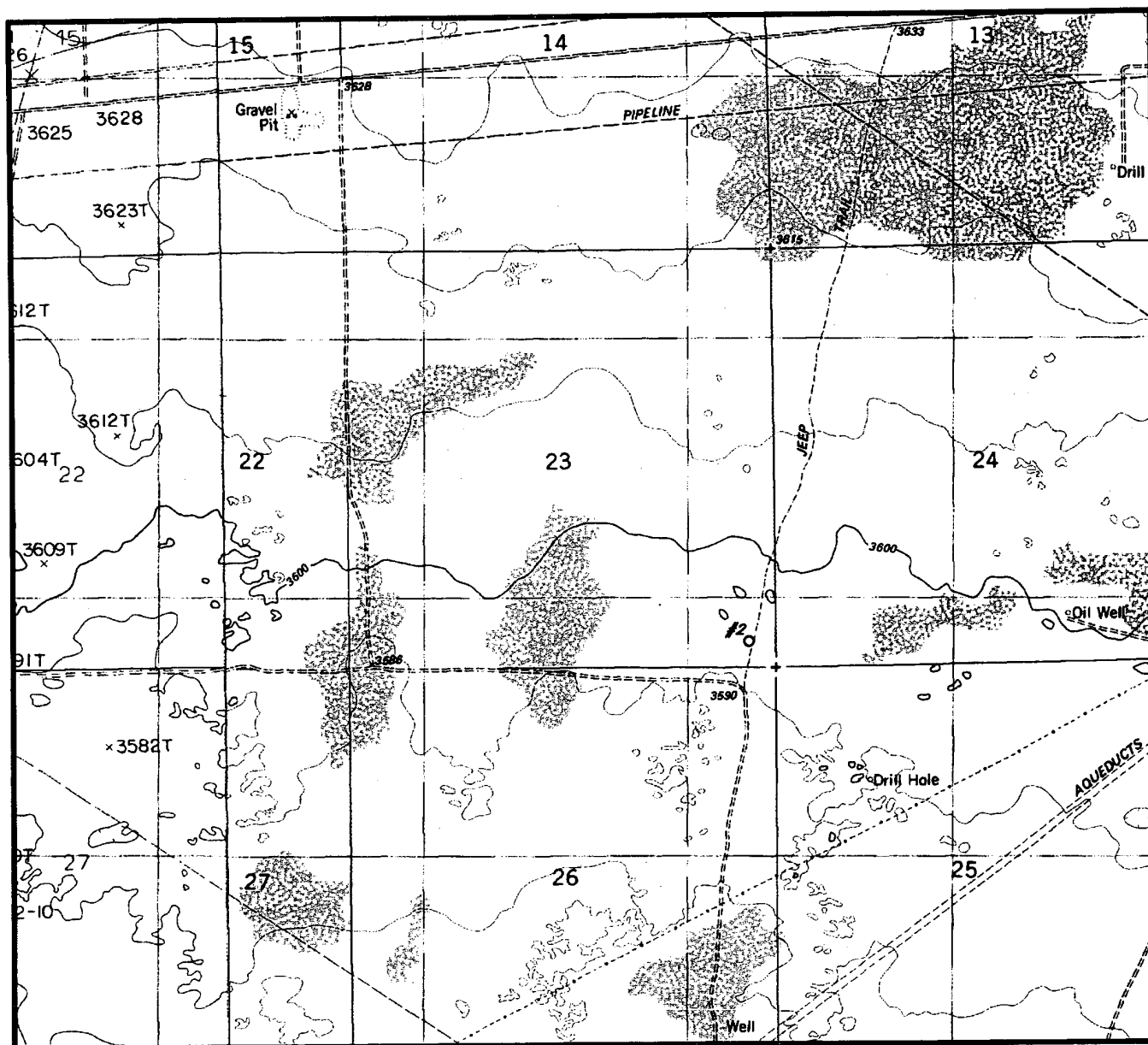
  
Mike Francis

**Title:** Agent

**Date:** 3/11/2004



# LOCATION & ELEVATION VERIFICATION MAP



SCALE : 1" = 2000'

CONTOUR INTERVAL 10'

SECTION 23 TWP 19-S RGE 32-E

SURVEY NEW MEXICO PRINCIPAL MERIDIAN

COUNTY LEA STATE NM

DESCRIPTION 330' FSL & 330' FEL

ELEVATION 3589'

OPERATOR EOG RESOURCES, INC.

LEASE LUSK FEDERAL "23" #2

U.S.G.S. TOPOGRAPHIC MAP

LAGUNA GATUNA NW, NEW MEXICO

SCALED LAT. LAT.: N 32.63936

LONG. LONG.: W 103.72885



## TOPOGRAPHIC LAND SURVEYORS

*Surveying & Mapping for the Oil & Gas Industry*

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

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-144  
March 12, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

432 686 3689		
Operator: EOG Resources, Inc.	Telephone:	e-mail address: stan.wagner@eogresources.com
Address: P.O. Box 2267 Midland, TX 79702		
Facility or well name: Lusk 23 Fed #2	API #:	U/L or Qtr/Qtr P Sec 23 T19S R 32E
County: Lea	Latitude:	Longitude: NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/> Surface Owner Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>
<b>Pit</b>		
Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness 20 mil Clay <input type="checkbox"/> Volume 7460 bbl		
<b>Below-grade tank</b>		
Volume: bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not.		
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more (0 points)	
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) No (0 points)	
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more (0 points)	
Ranking Score (Total Points)		

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location:

onsite ☐ offsite ☐ If offsite, name of facility: (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 4/27/04

Printed Name/Title Stan Wagner Reg Analyst Signature Stan Wagner

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Date: 6/8/04

PETROLEUM ENGINEER

Printed Name/Title

Signature

## SCHEMATIC OF RESERVE PITS FOR DRILLING WELLS IN THE STATE OF NEW MEXICO.

TWO SLIT OR TROUGH TYPE PITS WILL BE USED.

FRONT RESERVE PIT (SLIT PIT CLOSEST TO HOLE) WILL BE FOR  
FRESH WATER.

BACK RESERVE PIT (SLIT PIT FURTHEST FROM HOLE) WILL BE  
FOR BRINE WATER.

BOTH PITS WILL BE LINED WITH 20MIL. PLASTIC.

ALL PITS WILL BE COVERED WITHIN THE 180 DAY ALLOTTED  
TIME PERIOD IN ACCORDANCE WITH ALL NEW REGULATIONS.

