Form 3160-3
(August 1999)

New Mexico Oil Conservation Division, District I
UNITED STATES 1625 N. French Drive
DEPARTMENT OF THE INTERIOR Hobbs, NM 88240
BUREAU OF LAND MANAGEMENT

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

C-35

APPLICATION FOR PERMIT TO DRILL OR REENTER

241

1a. Type of Work: [X] DRILL [ ] REENTER	5. Lease Serial No.: NM 04411
1b. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other [ ] Single Zone [ ] Multiple Zone	6. If Indian, Allotee or Tribe Name:
2. Name of Operator: EOG Resources Inc.	7. Unit or CA Agreement Name and No.:
3a. Address: P.O. Box 2267 Midland, Texas 79702	3b. Phone No. (include area code): 915 686 3714
	8. Lease Name and Well No.: Adams Moosetail 33 Federal 1
	9. API Well No.: 30-025-36145
4. Location of Well (*Report location clearly and in accordance with any State equirements*)* At surface: 900' FSL & 488' FWL, U/L M At proposed prod. zone	10. Field and Pool, or Exploratory: ~~Eidson~~; Morrow, North (Gas) Shoe Bar 11. Sec., T., R., M., or Blk. and Survey or Area: Sec 33, T15S, R35E
14. Distance in miles and direction from nearest town or post office*: 3 miles Northwest from Lovington	12. County or Parish: Lea; 13. State: NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any)	16. No. of Acres in lease	17. Spacing Unit dedicated to this well
488	320	320
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	**19. Proposed Depth**	**20. BLM/BIA Bond No. on file**
1450'	12900	NM2308
21. Elevations (Show whether DF, KDB, RT, GL, etc.	**22. Approximate date work will start***	**23. Estimated duration**
3984 GL	2/1/03	30 days

24. Attachments — Lea County Controlled Water Basin

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	Name (*Printed/Typed*)	Date
Stan Wagner	Stan Wagner	12/18/02
Title: Regulatory Analyst		
Approved by (Signautre): /S/ JOE G. LARA	Name (*Printed/Typed*): /S/ JOE G. LARA	Date: JAN 31 2003
Title: FIELD MANAGER	Office: CARLSBAD FIELD OFFICE	

Application approval 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 operations thereon.
Conditions of approval, if any, are attached.

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowlingly 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)

RECEIVED
Hobbs
OCD

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

OPER. OGRID NO. 7377
PROPERTY NO. 31932
POOL CODE 76360
EFF. DATE 2-6-03
API NO. 30-025-36145

SCANNED

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	[2] Pool Code	[3] Pool Name	
30-025-36145	~~76360~~ 96882	Shoe Bar; ~~Eidson~~; Morrow, North (Gas)	
[4] Property Code: 31932	[5] Property Name: ADAMS MOOSETAIL "33"		[6] Well Number: 1
[7] OGRID No.: 7377	[8] Operator Name: EOG RESOURCES, INC.		[9] Elevation: 3984'

[10] Surface Location

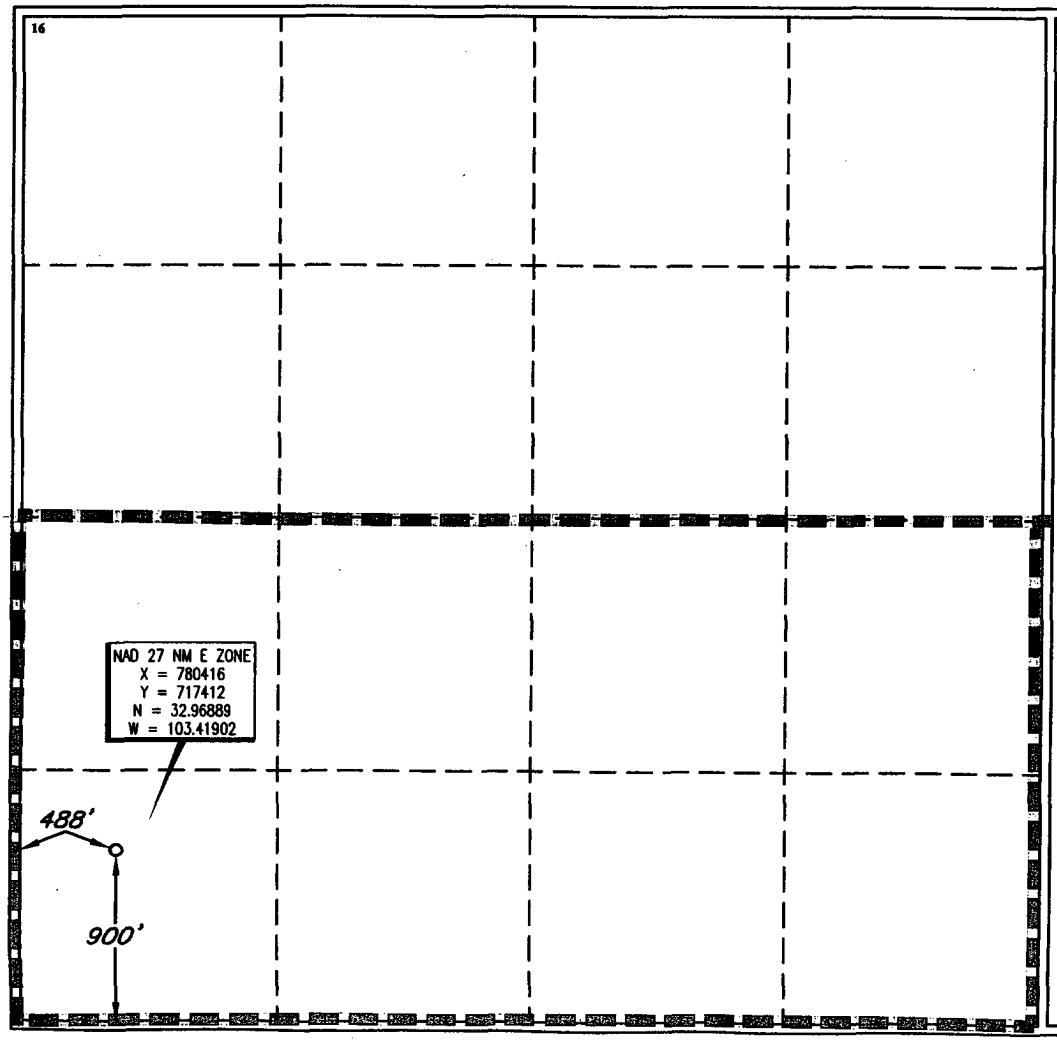
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	33	15 SOUTH	35 EAST, N.M.P.M.		900'	SOUTH	488'	WEST	LEA

[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	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320			

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



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: Stan Wagner

Printed Name: Stan Wagner

Title: Regulatory Analyst

Date: 12/16/02

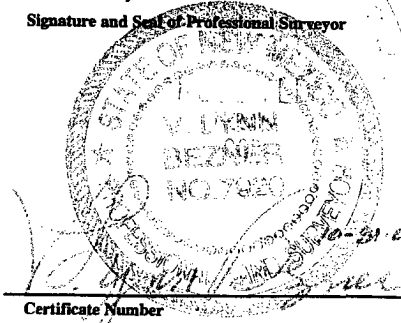
[18] SURVEYOR CERTIFICATION

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.

OCTOBER 28, 2002

Date of Survey

Signature and Seal of Professional Surveyor



Certificate Number: V. L. BEZNER R.P.S. #7920

JOB #84322 / 96 NW / J.C.P.

DRILLING PROGRAM

EOG RESOURCES, INC.
Adams Moosetail 33 Federal No. 1

LEA COUNTY, NM

1. GEOLOGIC NAME OF SURFACE FORMATION:
   Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	1827'
Glorieta	6227'
Strawn	11,500'
TD	12,900'

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

Upper Permian Sands	100'	Fresh Water
Wolfcamp	10,520'	Oil & Gas
Strawn	11,525'	Oil & Gas

No other formations are expected to give up oil, gas or fresh water in measurable quantities. The surface fresh water sands are protected by setting 11 3/4" casing at 475' and cement circulated back to surface.

4. CASING PROGRAM: (Proposed)

Hole Size	Interval	OD Casing	Weight Grade Jt. Cond. Type
14 3/4"	0-475'	11 3/4"	42#, H-40, STC
11"	0-4950'	8 5/8"	32# J-55 STC & 32# HCK-55 STC
7 7/8"	0-12,900'	5 1/2"	17#, HCP-110, LTC

CEMENTING PROGRAM: (Proposed)

11.75" Surface Casing: Circulated cement to surface w/200 sx. Class "C".

8.625" Intermediate: Circulated cement to surface w/1200 sx. Class "H".

5 1/2" Production Casing: Cemented with 1200 sx. Class "H".
Estimated TOC @ 4000'.

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 and to drill the intermediate hole. 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:

Depth	Type	Mud Wt (ppg)
0-475'	Fresh Water Native mud FW Gel	8.4-8.9
475'- 4950'	Salt Water Gel mud system	10.0-10.2
4950'- 12900'	Fresh Water XCD Polymer system	9.4-10.2

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. Auxillary 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 2000' to TD.

8. LOGGING, TESTING AND CORING PROGRAM:

The electric logging program will consist of the following logs:

NGT-CNL-LDT
Sonic
Array Laterolog

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

No abnormal pressures or temperatures are anticipated. 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:

Road and location work will not begin until approval has been received from the BLM. Anticipated spud date is unknown at the present time. Once drilling has commenced, the drilling operation should be finished in approximately 30 days. If the well is productive, an additional 30 to 45 days will be required for the completion and testing before a decision is made to install permanent facilities.

EOG Resources, Inc.

Adams Moosetail 33 Federal No. 1

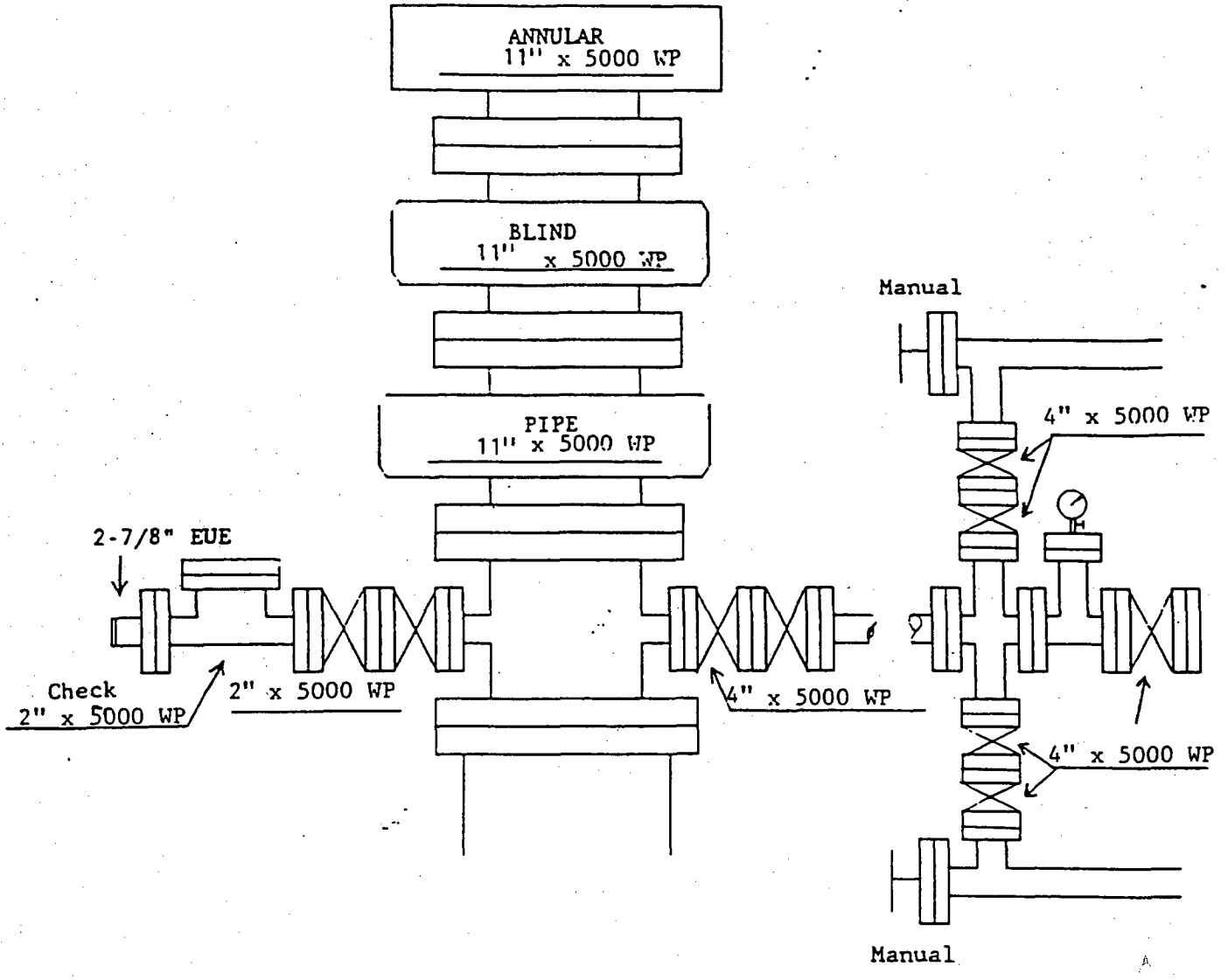


Exhibit 1

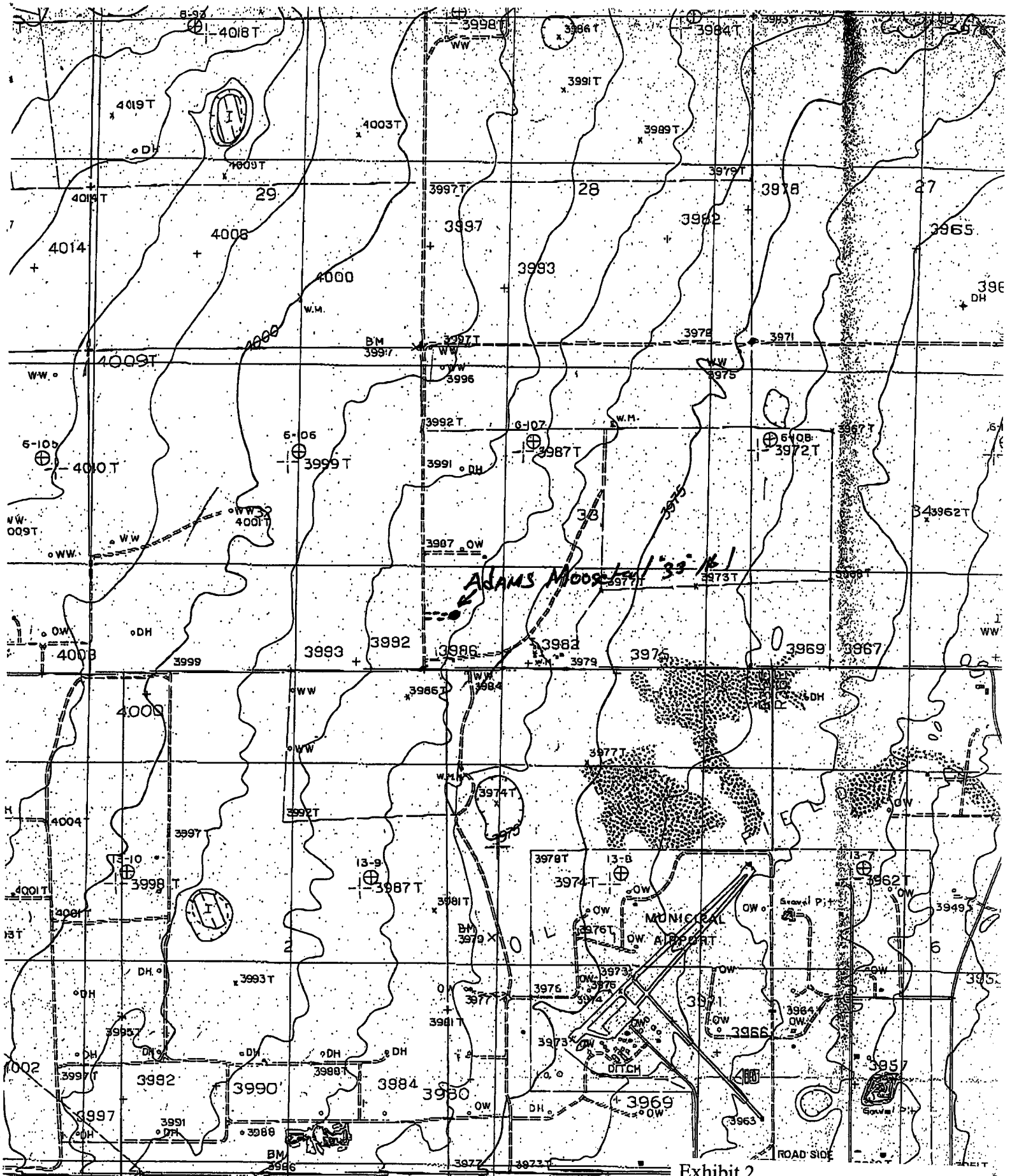


Exhibit 2
Vicinity Map
990' FSL & 488' FWL, U/L M
Sec 33, T15S, R35E
Lea Co, NM

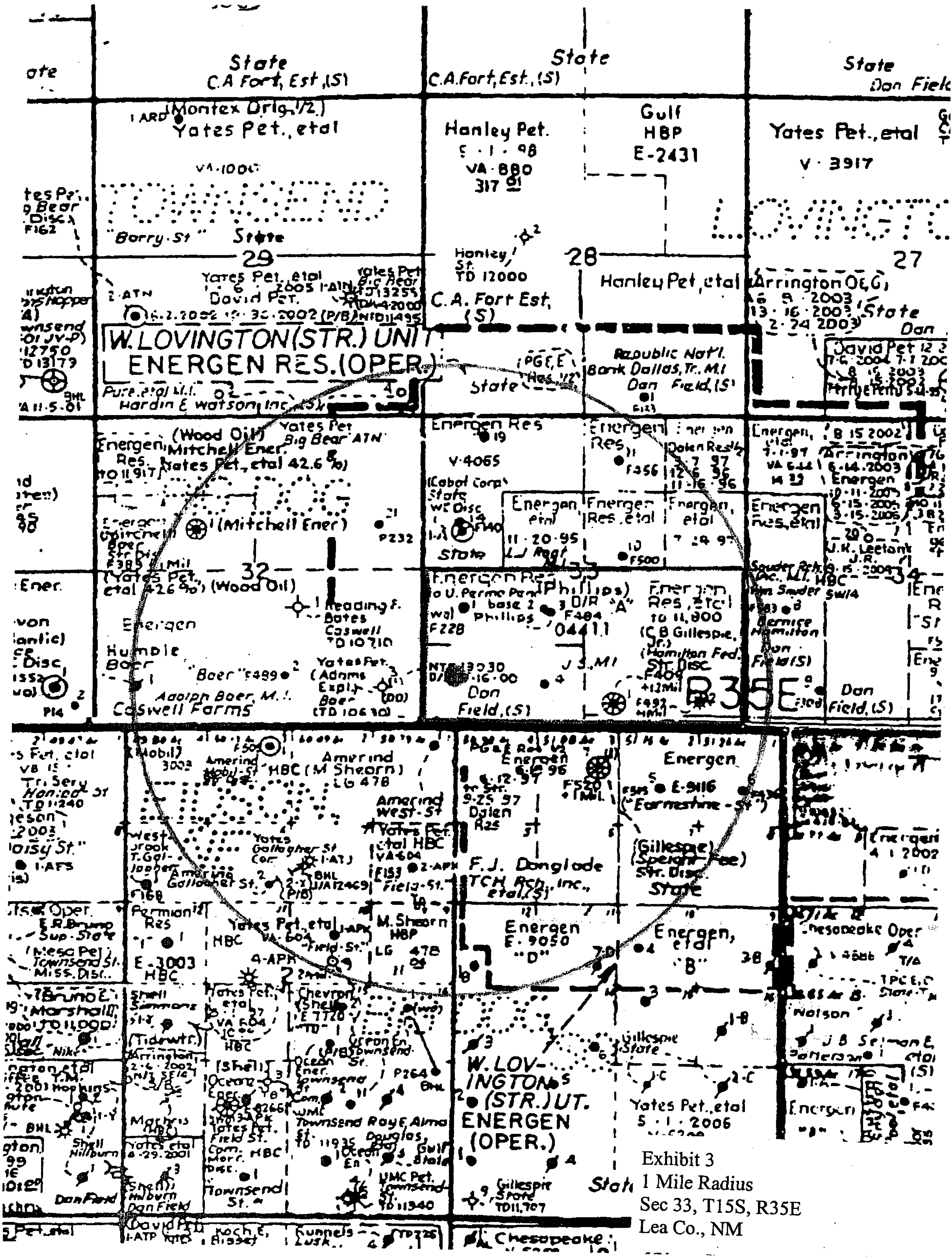


Exhibit 3
1 Mile Radius
Sec 33, T15S, R35E
Lea Co., NM