c/f.

RECEIVED
FEB 22 11 53 AM '93
CARLSBAD AREA

NM OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210

30-015-26241

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.: NM 021096

6. If Indian, Allottee or Tribe Name: N/A

SUBMIT IN TRIPLICATE

RECEIVED
APR 27 1993
C. C. D.

7. If Unit or CA, Agreement Designation: N/A

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other Re-Entry

8. Well Name and No.: Yates "1" Federal No. 1

2. Name of Operator: Mitchell Energy Corporation

9. API Well No.: 30 015 26241

3. Address and Telephone No.: P.O. Box 4000, The Woodlands, TX 77387-4000 (713) 377-5500

10. Field and Pool, or Exploratory Area: Power (Grayburg-San Andres)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 660' FSL and 660' FEL Sec. 1, T18S, R30E Ut. P

11. County or Parish, State: Eddy Co., NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other Re-entry	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator proposes to re-enter subject well (original operator, Enron Oil & Gas, plugged 2-1-90) to a depth sufficient to test the Grayburg formation for oil. 5½" casing will be cemented at 3800'. If non-productive, the well will be plugged and abandoned in a manner consistent with federal regulations. Specific programs are outlined in the following attachments: OTD-8390

RE-ENTRY PROGRAM
Surface Use & Operating Plan

Exhibit 1	Blowout Preventer	**Exhibit 5**	Production Facilities Layout
Exhibit 2	Location Plat	**Exhibit 6**	Re-entry Rig Layout
Exhibit 3	Planned Access Roads	**Exhibit 7**	Wellbore Schematic
Exhibit 4	One-mile Radius Map		

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

14. I hereby certify that the foregoing is true and correct

Signed George Mullen George Mullen Title Regulatory Affairs Specialist Date 02-24-93

(This space for Federal or State office use)

Approved by RICHARD L. MANUS Title AREA MANAGER Date 4/23/93
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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.

*See Instruction on Reverse Side

GENERAL INSTRUCTIONS

his form i esigned for submitting proposals to perform certain well operions, and ports of such operations when completed, as indicated, on ederal an ndian lands pursuant to applicable Federal law and regula-ons, and, pproved or accepted by any State, on all lands in such State, ursuant to plicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

SPECIFIC INSTRUCTIONS

em 4—If e are no applicable State requirements, locations on Federal Indian la should be described in accordance with Federal requirements. onsult lo State or Federal office for specific instructions.

em 13—P osals to abandon a well and subsequent reports of abandonent shoul clude such special information as is required by local Federand/or S offices. In addition, such proposals and reports should include asons fo e abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE — The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES:

(1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations.

(2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2).

(3) Analyze future applications to drill or modify operations in light of data obtained and methods used.

(4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION — Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.

*U.S. GPO: 1990-773-016/26019

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised 1-1-89

Exhibit 2
Yates "1" Federal No. 1
Eddy County, New Mexico

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
Mitchell Energy Corporation	Yates "1" Federal	1

Unit Letter	Section	Township	Range	County
P	1	18S	30E NMPM	Eddy

Actual Footage Location of Well:
660 feet from the south line and 660 feet from the east line

Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:
3571'	Grayburg	Power (Grayburg-San Andres)	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

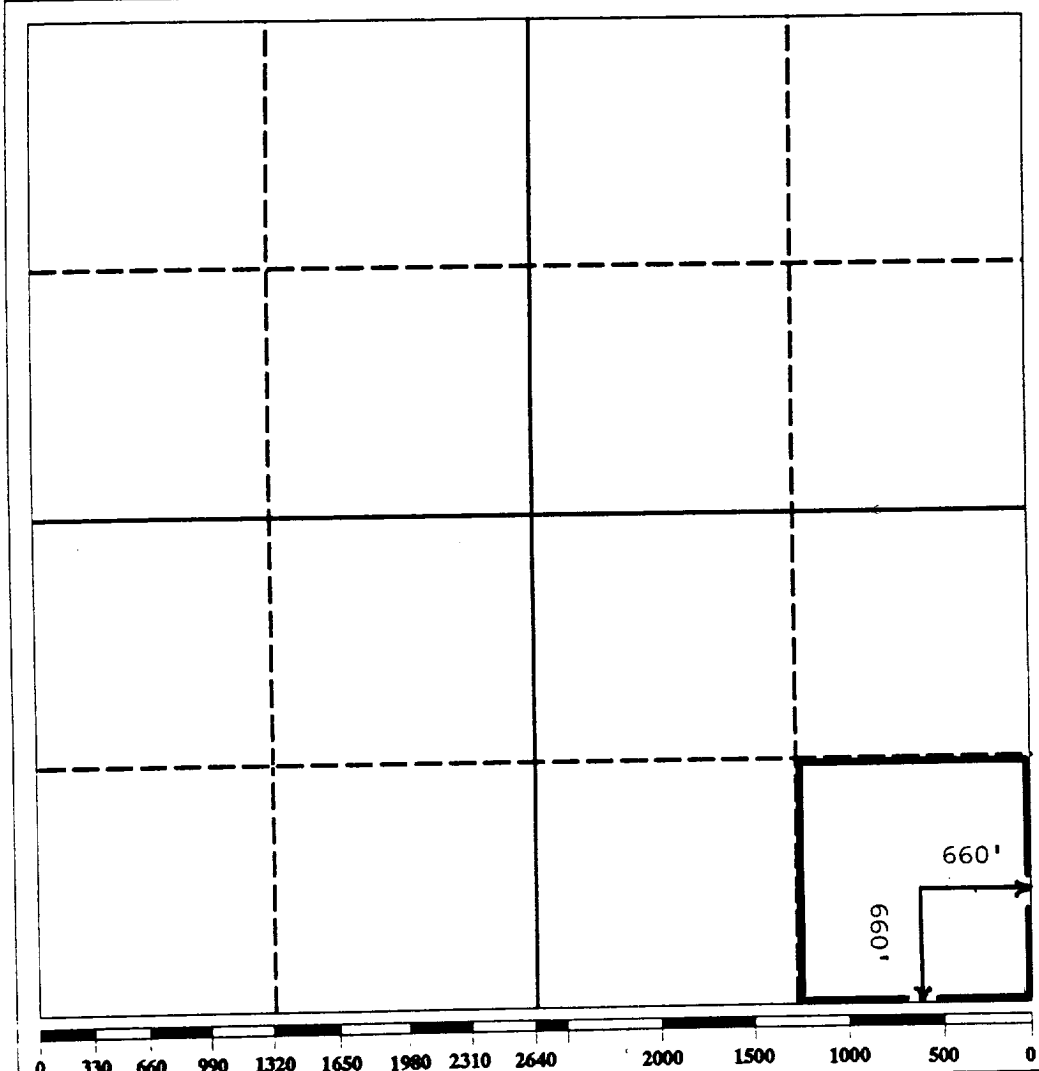
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary. _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature: George Mullen

Printed Name: George Mullen

Position: Reg. Affairs Specialist

Company: Mitchell Energy Corp.

Date: February 24, 1993

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 supervison, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of Professional Surveyor

Certificate No.

MINIMUM BLOWOUT PREVENTER REQUIREMENTS

2,000 psi Working Pressure

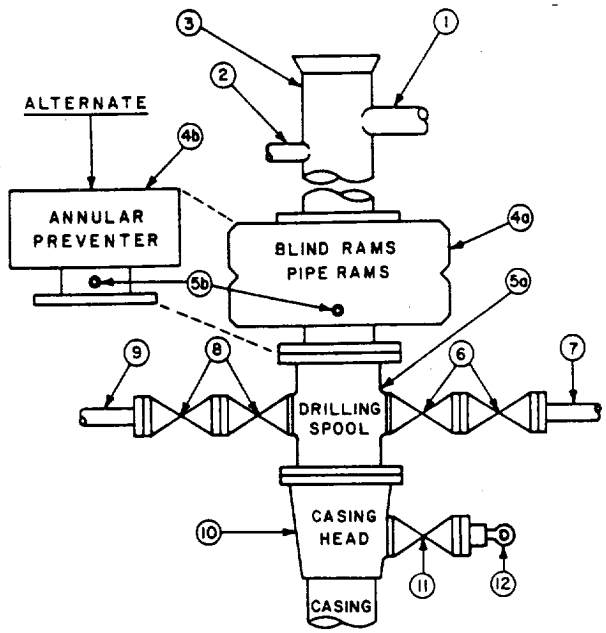
2 MWP

Exhibit 1
Yates "1" Federal No. 1
Eddy County, New Mexico

STACK REQUIREMENTS

No.	Item -	Min. I.D.	Min. Nominal
1	Flowline		
2	Fill up line		2"
3	Drilling nipple		
4a	Two single or one dual hydraulically operated rams* _____ or_____		
4b	Annular preventer. (Alternate to 4a above.)		
5a	Drilling spool with 2" min. kill line and 2" min choke line outlets _____ or_____		
5b	2" min. kill line and 2" min. choke line outlets in ram. (Alternate to 5a above.)		
6	Valve Gate ☐ Plug ☐	2-1/16"	
7	Line to choke manifold		2"
8	Valves Gate ☐ Plug ☐	2-1/16"	
9	Line to rig mud manifold		2"
10	Casing head		
11	Valve Gate ☐ Plug ☐	1-13/16"	
12	Pressure gauge with needle valve		

*For well service — not mandatory to be hydraulically operated.



NOTE: Second wing valve on choke (6) and kill (8) lines not mandatory unless drilling below 2000'.

CONTRACTOR'S OPTION TO FURNISH:

1. All equipment and connections above bradenhead or casinghead.
2. BOP controls.
3. Kelly equipped with Kelly cock.
4. Safety valves on derrick floor at all times with proper threads to fit pipe being used.
6. Kelly saver-sub equipped with rubber casing protector at all times.

MEC TO FURNISH:

1. Bradenhead or casinghead and side valves.
2. Wear bushing, if required.

GENERAL NOTES:

1. Deviations from this drawing may be made only with the express permission of MEC's Drilling Manager.
2. All valves, fittings, piping, flanges, etc., subject well or pump pressure must have minimum working pressure equal to rated working pressure of preventers.
3. Controls to be of standard design and each marked, showing opening and closing position.
4. Chokes will be positioned so as not to hamper or delay changing of choke beans. Other bean sizes, retainers, and choke wrenches to be conveniently located for immediate use.
5. All valves to be equipped with handwheels or handles ready for immediate use.
6. Choke lines must be suitably anchored.
7. Handwheels and extensions to be connected and ready for use.
8. Casinghead connections shall not be connected or used except in case of emergency.

RE-ENTRY PROGRAM

Attached to Form 3160-5
Mitchell Energy Corporation
Yates "1" Federal Well No. 1
660' FSL and 660' FEL (SE/SE)
Sec. 1, T18S, R30E
Eddy County, New Mexico

1. Geologic Name of Surface Formation:

   Permian

2. Tops of Geologic Markers:

Permian	Surface
Base of Salt	1550'
Yates	1700'
Queen	2780'
Grayburg	3260'
San Andres	3750'

3. Estimated Depths of Anticipated Fresh Water, Oil or Gas:

Grayburg	3370'	Oil

The surface fresh water sands are protected by 11-3/4" casing set at 557' and cemented with 650 sacks. No other formations are expected to give up oil, gas, or fresh water in measurable quantities.

4. Casing Program:

Hole Size	Interval	OD Casing	Weight, Grade, Jt, Cond, Type
N/A	0 - 557'	11-3/4"	N/A
N/A	0 - 2521'	8-3/4"	N/A
7-7/8"	0 - 3800'	5-1/2"	15.5#, K-55, ST&C, New, R-3

Cement Program:

11-3/4" Surface Casing:	Cemented with 650 sacks.
8-3/4" Intermediate Casing:	Cemented with 950 sacks.
5-1/2" Production Casing:	Cemented with 360 sacks 50/50 Poz - Class "C" + 2% gel + 5#/sack salt + 0.5% CF-9. Slurry is designed to bring TOC to 2700'.

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (2,000 psi WP) preventer. Unit will consist of blind rams on top and 2-7/8" tubing rams on bottom. BOP will be nippled up on the 8-5/8" intermediate casing and used continuously until TD is reached. Before drilling out bottom plug, 2228'- 2783', in 8-5/8" intermediate casing, the BOP and accessory equipment will be tested to 2000 psi.

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. Other BOP equipment will include a floor safety valve.

6. Types and Characteristics of the Proposed Fluid System:

The well will be re-entered with a combination of fresh water and 2% KCL water system. The applicable depths and properties of this system are as follows:

Depth	Type	Weight (ppg)	Viscosity (sec)	Waterloss (cc)
0-2228'	Fresh Water	8.33	1-2	N.C.
2228-3800'	2% KCL	8.42	± 32	N.C.

7. Auxiliary Well Control Equipment:

A full opening 2-7/8" tubing stabbing valve with proper tubing connections will be on the rig floor at all times.

8. Testing Program:

A. A GR-CCL-CBL will be run from PBTD (± 3756') to 200' above TOC (± 2700').

B. Grayburg will be perforated 3595'- 3599' (9 holes) and 3625'- 3640' (31 holes), acidized with 2100 gallons 15% N_eF_e acid, and fractured with 80,000 # 12/20 sand. Perforations 3595'-3640' will be swab tested for evaluation.

C. A retrievable bridge plug will be set at 3550' in the 5-1/2" production casing to isolate the perforations 3595'- 3640'.

D. Grayburg will be perforated 3368'- 3370' (5 holes) and 3390'- 3444' (109 holes), acidized with 5000 gallons of 15% N_eF_e acid, and fractured with 60,000 # 12/20 sand. Perforations 3368'- 3444' will be swab tested for evaluation.

E. The retrievable bridge plug will be removed from the 5-1/2" production casing and 2-7/8" production tubing run to 3680'.

F. The well will be produced via sucker rod pump.

9. Abnormal Conditions, Pressures, Temperatures, & Potential Hazards:

No abnormal pressures or temperatures are anticipated. The estimated bottom-hole temperature (BHT) at 3800' is 98°F and estimated bottom-hole pressure (BHP) is 1560 psig. No hydrogen sulfide or other hazardous gases or fluids were encountered or reported when drilling the open hole portion, 2516'- 3800', which will be re-entered. No major lost circulation zones were reported when drilling the open hole portion, 2516'- 3800', which will be re-entered.

10. Anticipated Starting Date and Duration of Operations:

Any required road and location work (none anticipated) will not begin until approval has been received from the BLM. The anticipated re-entry date is March 1, 1993. Once commenced, the re-entry operation should be finished in approximately 10 days. Immediately following the re-entry, an additional 30 days will be required for completion and testing before a decision is made to install permanent facilities.

SURFACE USE AND OPERATING PLAN

Attached to Form 3160-5
Mitchell Energy Corporation
Yates "1" Federal No. 1
660' FSL & 660' FEL (SE/SE)
Sec. 1, T18S, R30E
Eddy County, New Mexico

1. Existing Roads:

   A. The well site and all roads to location are shown in Exhibit #3. The existing roads are illustrated in red and are adequate for travel during drilling and production operations. Upgrading of the road prior to re-entering will be done where necessary as determined during the onsite inspection.

   B. Direction to location: From Hobbs, N.M. travel west on Hwy. 62/180 for 15 miles. Turn right on Hwy. 159 and follow to Hwy. 82. Turn left on Hwy. 82 and go 1 mile to County Road 222. Turn left (south) on 222 and go 2.8 miles to MEC Shugart lease sign. Turn right and follow MEC Shugart lease signs for 1.35 miles to Meridian Neste "6" #1 well. Continue straight across Neste location and go 0.9 miles due west following road to Yates "1" Federal #1 location.

   C. 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:

   Access road exists from original drilling (see above).

3. Location of Existing Wells:

Exhibit #4 shows all existing wells within a one-mile radius of this well. As shown on this plat, there are four D&A wells, three San Andres oil wells, five Grayburg oil wells, one Delaware oil well, and twenty-one Bone Spring oil wells. A list of these wells is shown on the attachment to Exhibit #4. There are no disposal, drilling, SI, injection or observation wells within a one-mile radius.

4. Location of Existing and/or Proposed Facilities:

   A. If the well is productive, contemplated facilities will be as follows:

      (1) Production facilities are shown in Exhibit #5 and will be located on the caliche drilling pad and within the 100' x 250' area of the pad.

(2) The tank battery and facilities including all flowlines and piping will be installed according to API specifications.

(3) Any additional caliche which is required for firewalls, etc. will be obtained from a BLM-approved caliche pit. Any additional construction materials will be purchased from contractors.

(4) If productive of oil, an electric, gas, or LPG fueled, self-contained pumping unit may be required.

B. If the well is productive, rehabilitation plans are as follows:

(1) Caliche from unused portions of the drill pad will be removed, the unused portion recontoured to the original natural level, as nearly as possible, and reseeded as per BLM specifications.

C. In the event that gas production is established, plans for permanent gas lines will be submitted to the appropriate agencies for ROW approval.

5. Location and Type of Water Supply:

The well will be re-entered with a combination fresh water and 2% KCL fluid system as outlined in the re-entry program. The water will be obtained from commercial water stations in the area and hauled to the location by transport truck over the existing access roads as shown in Exhibit #3. No water well will be drilled on the location.

6. Source of Construction Materials:

Any caliche required for repair (none anticipated) of the drill pad or access road will be obtained from a BLM-approved caliche pit. All roads and pads will be constructed of 6" of rolled and compacted caliche.

7. Methods of Handling Waste Disposal:

A. All drill cuttings (cement) will be retained in steel mud tanks.

B. Drilling fluids will be contained in steel mud tanks.

C. Water produced from the well during completion will be disposed into a steel tank. After the well is permanently placed on production, produced water will be collected in tanks (fiberglass or steel) until hauled by transport to an approved disposal system; produced oil will be collected in steel tanks until sold.

D. A portable chemical toilet will be provided on the location for human waste during the re-entry and completion operations.

E. Garbage and trash produced during re-entry or completion operations will be contained in a trash bin and properly disposed of in an approved dump site. All waste material will be contained to prevent scattering by the wind. All water and fluids will be disposed of into steel mud tanks. Salts and other chemicals produced during re-entering or testing will be disposed into steel mud tanks. No toxic waste or hazardous chemicals will be produced by this operation.

F. After the rig is moved out and the well is either completed or abandoned, all waste materials will be cleaned up within 30 days. No adverse materials will be left on the location. Only that part of the pad required for production facilities will be kept in use. In the event of a dry hole, only a dry hole marker will remain.

8. Ancillary Facilities:

No airstrip, campsite, or other facilities will be built as a result of the operations on this well.

9. Well Site Layout:

A. The re-entry pad layout is shown in Exhibit #6. Dimensions of the pad and location of major rig components are shown. Because the re-entry is on an existing pad, no modifications or repairs are planned.

B. Exhibit #6 shows the planned orientation for the rig and associated re-entry equipment, pipe racks, turn-around and parking areas, and access road.

10. Plans for Restoration of the Surface:

A. Upon completion of the proposed operations, if the well is to be abandoned, the caliche will be removed from the location and road and returned to the pit from which it was taken. The location will be leveled and contoured to as nearly the original topography as possible. All trash and garbage will be hauled away in order to leave the location in an aesthetically pleasing condition. The location will be leveled within 120 days after abandonment.

B. The disturbed area will be revegetated by reseeding during the proper growing season with a seed mixture of native grasses as recommended by the BLM.

C. Upon completion of the proposed operations, if the well is completed, caliche from any area of the pad not needed for production operations or facilities will be removed and used for construction of thicker pads or firewalls for the tank battery installation. Any additional caliche

required for facilities will be obtained from a BLM - approved caliche pit. Any unused portion of the pad will be recontoured to as nearly the original level as possible and reseeded as per BLM specifications.

11. Surface Ownership:

The wellsite and lease is located entirely on Federal surface. Williams & Son Cattle Company, Maljamar, NM has the Federal grazing lease on the north half of this lease and Danny Bennett, Carlsbad, NM has the Federal grazing lease on the south half.

12. Other Information:

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

B. There is no permanent or live water in the immediate area.

C. A Cultural Resources Examination should be on file from the original drilling and subsequent plugging by Enron Oil and Gas.

13. Lessee's and Operator's Representative:

The Mitchell Energy Corporation representative responsible for assuring compliance with the surface use plan is as follows:

Mr. Ed Earles
District Production Manager
Mitchell Energy Corporation
400 S. Illinois, Suite 1000
Midland, Texas 79701
Phone: (915) 682-5396 (office)
(915) 689-9499 (home)

Certification:

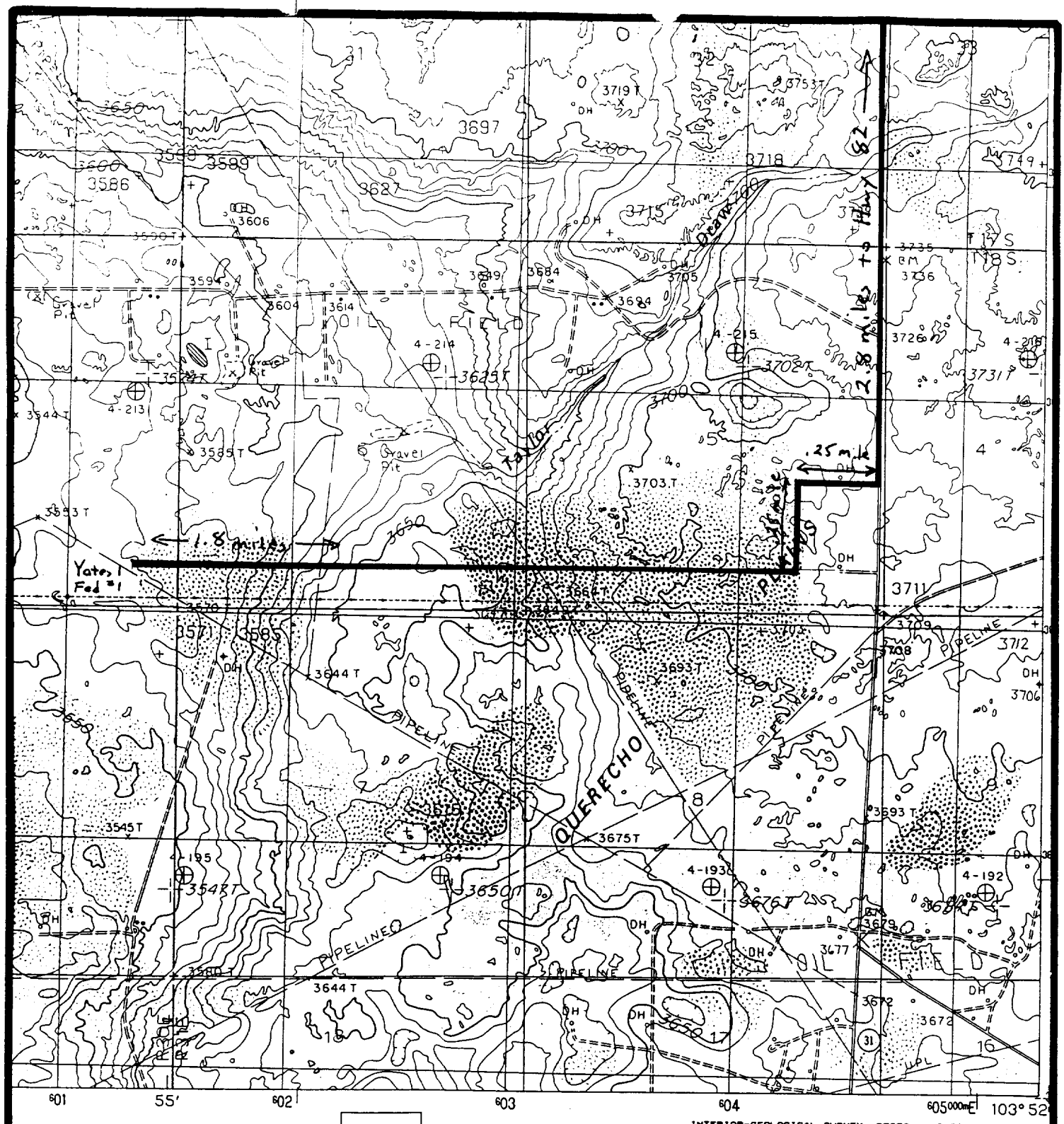
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by Mitchell Energy Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date: February 24, 1993 Signed: Mark D. Whitley

Mark D. Whitley
Vice-President and General Manager

Attachment

3RTRY.GM



MITCHELL ENERGY CORP.

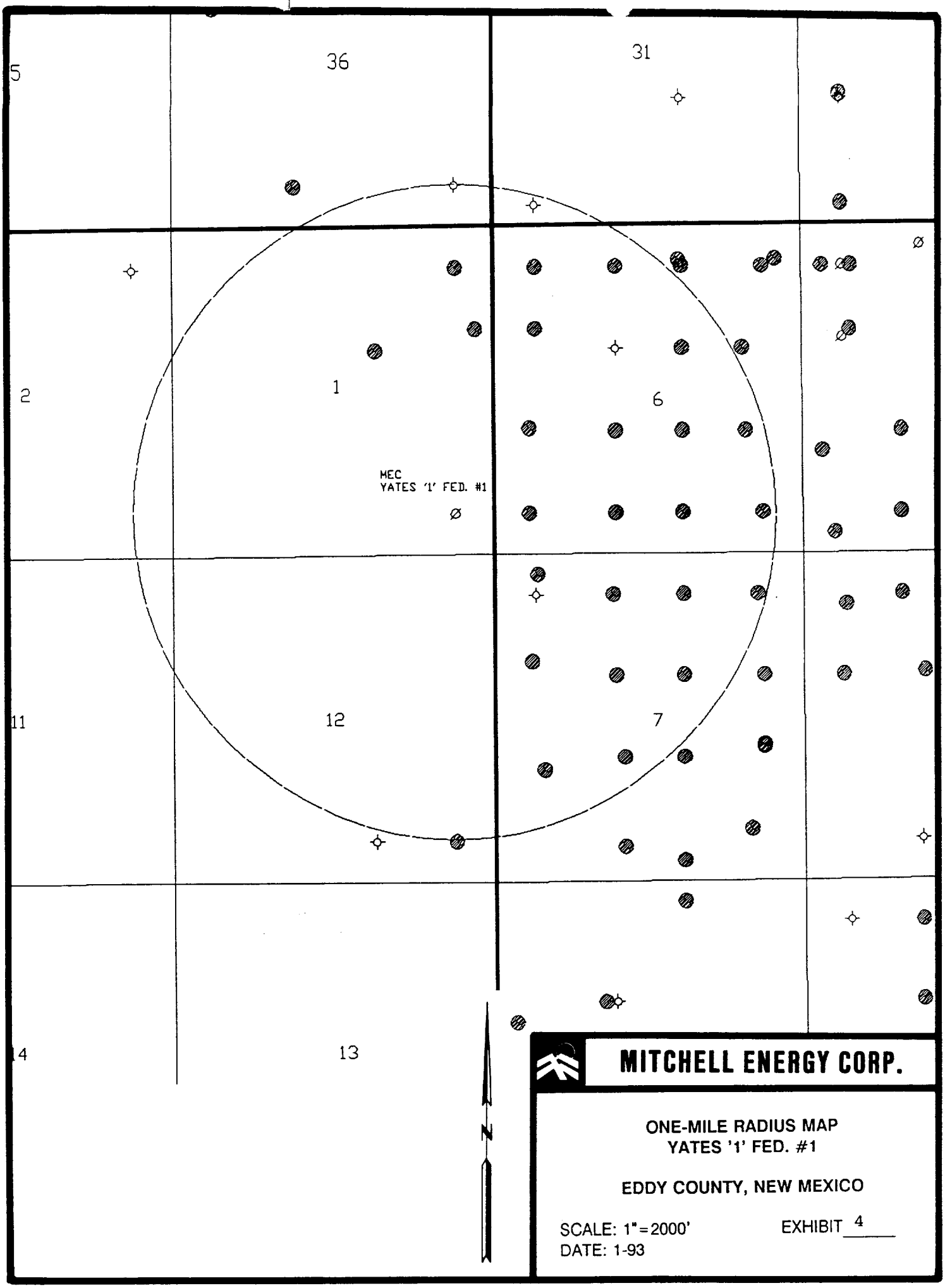
LOCATION & ACCESS ROAD
YATES '1' FED. #1

EDDY COUNTY, NEW MEXICO

SCALE: 1"=2000'

DATE: 2-93

EXHIBIT 3



MITCHELL ENERGY CORP.

ONE-MILE RADIUS MAP
YATES '1' FED. #1

EDDY COUNTY, NEW MEXICO

SCALE: 1"=2000'
DATE: 1-93

EXHIBIT 4

ATTACHMENT TO EXHIBIT # 4

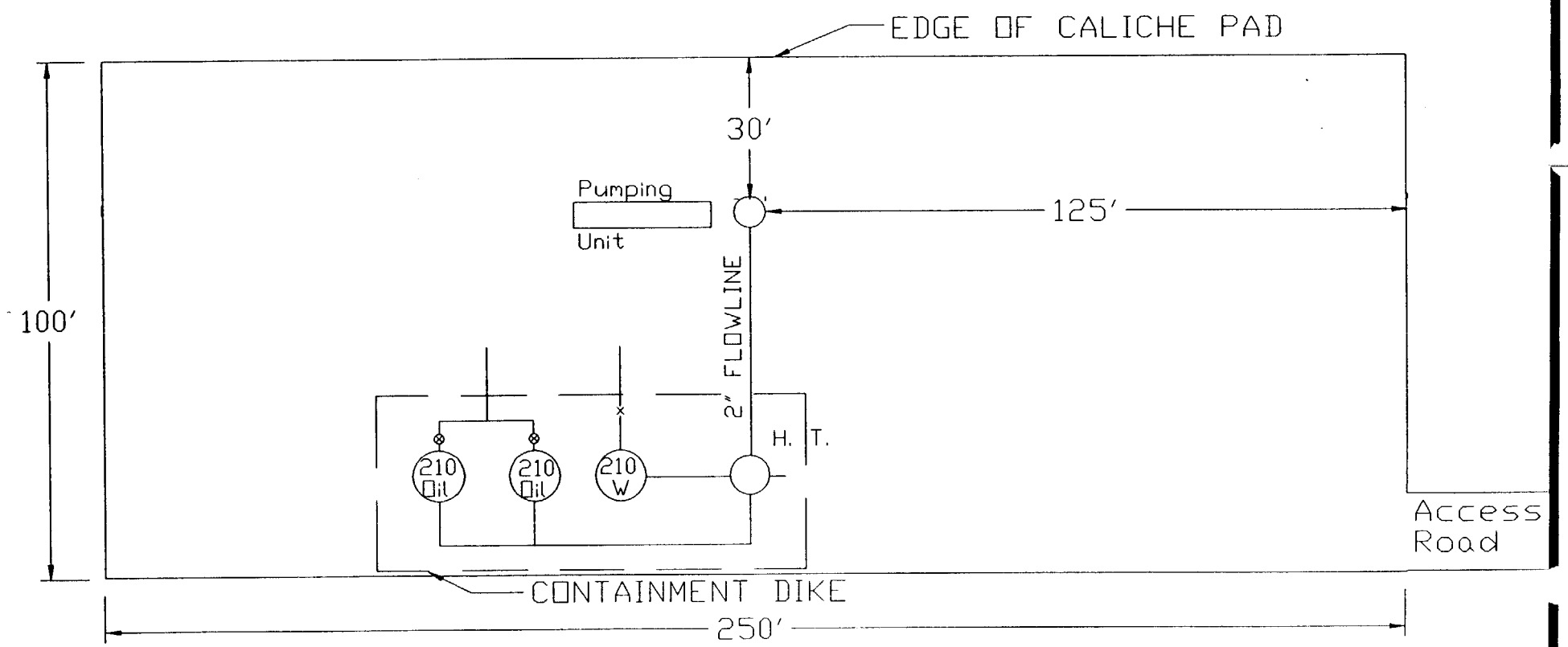
STATUS OF WELLS WITHIN ONE-MILE RADIUS
Yates '1' Fed. #1
Sec. 1-T18S-R30E
660' FSL/660' FEL
Eddy County, New Mexico
January 1993

Sec.36-T17S-R30E			
F. Pool	#1 Cal-mon	660' FSL/660' FEL	D&A
Sec. 31-T17S-R31E			
Eastland	#1-A Allied-Fed.	660' FWL/660' FEL	D&A
Sec. 1-T18S-R30E			
Eastland	#1 Sibyl-Fed.	660' FNL/660' FEL	San Andres Oil Well
Eastland	#2 Sibyl-Fed.	1650' FNL/330' FEL	San Andres Oil Well
Eastland	#3 Sibyl-Fed.	1980' FNL/1980' FEL	San Andres Oil Well
Sec. 12-T18S-R30E			
Enron	#1-B Yates-Fed.	660' FSL/660' FEL	Delaware Oil Well
Sec. 6-T18S-R31E			
American Quasar	#1 Power Deep	1980' FNL/1980' FWL	D&A
Eastland	#1 Allied- Fed.	660' FNL/660' FEL	Grayburg Oil Well
Eastland	#2 Allied-Fed.	660' FNL/1980' FEL	Grayburg Oil Well
Eastland	#1 Kenwood-Fed.	1980' FWL/660' FNL	Grayburg Oil Well
Eastland	#2 Kenwood-Fed.	1980' FNL/660' FWL	Grayburg Oil Well
Eastland	#3 Kenwood-Fed.	660' FNL/660' FWL	Grayburg Oil Well
Meridian	#1 Neste State	660' FSL/660' FEL	Bone Spring Oil Well
Meridian	#2 Neste State	1980' FSL/960' FEL	Bone Spring Oil Well
Meridian	#3 Neste State	1980' FEL/660' FSL	Bone Spring Oil Well
Meridain	#4 Neste State	1980' FSL/1980' FEL	Bone Spring Oil Well
Meridain	#1 Neste-Williams Fed.	1980' FNL/990' FEL	Bone Spring Oil Well
Meridian	#2 Neste-Williams Fed.	1980' FNL/1980' FEL	Bone Spring Oil Well
Meridian	#3 Neste-Williams Fed.	1980' FSL/1980' FWL	Bone Spring Oil Well
Meridian	#4 Neste-Williams Fed.	660' FSL/1980' FWL	Bone Spring Oil Well
Meridian	#5 Neste-Williams Fed.	2030' FSL/560' FWL	Bone Spring Oil Well
Meridian	#6 Neste-Williams Fed.	660' FSL/560' FWL	Bone Spring Oil Well
Union Texas	#1 Neste-Tamano Fed.	440' FEL/550' FNL	Bone Spring Oil Well
Union Texas	#2 Neste-Tamano Fed.	560' FNL/2030' FEL	Bone Spring Oil Well

Sec. 7-T18S-R31E

Hanley Pet.	#1 Hanley- Fed.	1932' FWL/660' FNL	Bone Spring Oil Well
Manzano	#1 PBIC Fed.	1780' FSL/800' FWL	Bone Spring Oil Well
McClellan	#1-D Mayor	660' FNL/660' FWL	D&A
Mitchell Energy	#1 Allied-Fed.	1980' FNL/1980'FEL	Bone Spring Oil Well
Mitchell Energy	#2 Allied-Fed.	660' FNL/760' FEL	Bone Spring Oil Well
Mitchell Energy	#3 Allied-Fed.	1980' FEL/660' FNL	Bone Spring Oil Well
Mitchell Energy	#1 Sand "7" Fed.	1980' FSL/2121' FWL	Bone Spring Oil Well
Mitchell Energy	#2 Sand "7" Fed.	1980' FNL/1980' FWL	Bone Spring Oil Well
Mitchell Energy	#3 Sand "7" Fed.	330' FNL/672' FWL	Bone Spring Oil Well
Mitchell Energy	#5 Sand "7' Fed.	660' FWL/1750' FNL	Bone Spring Oil Well

FILLED RESERVE PIT



MITCHELL ENERGY CORP.

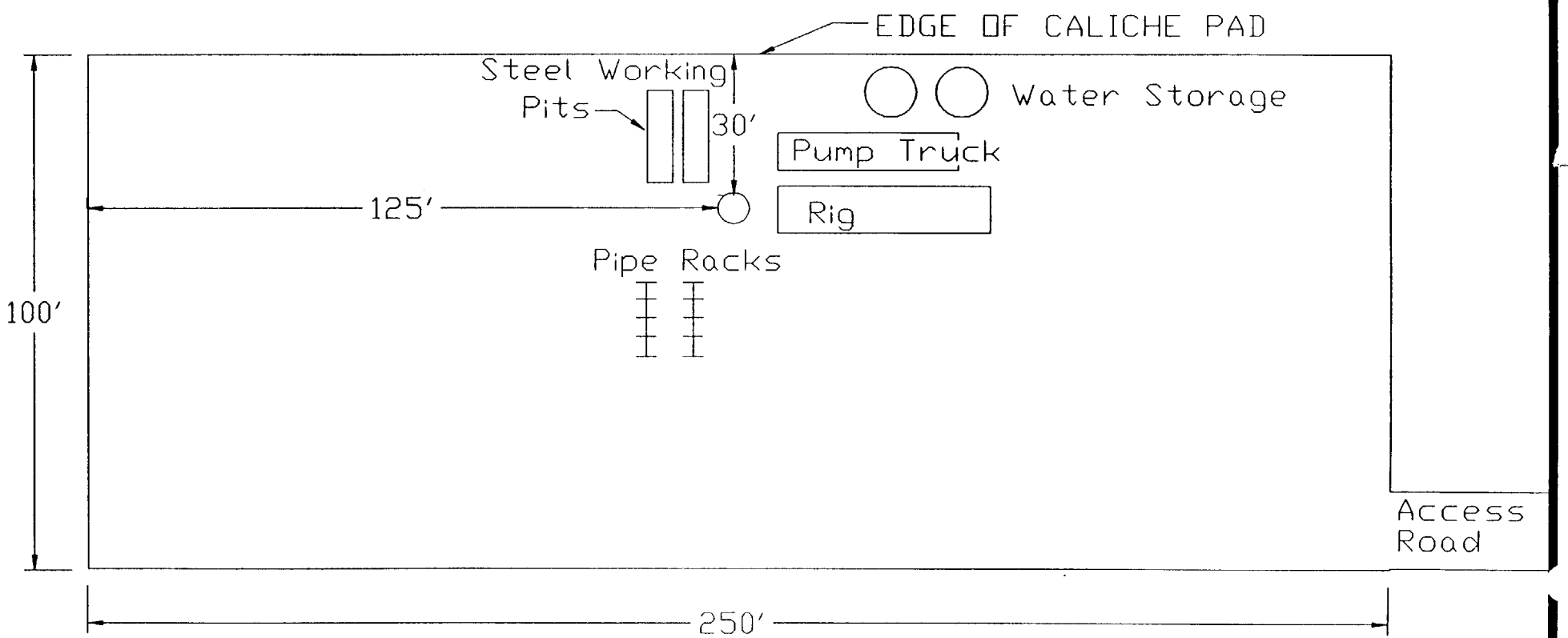
PRODUCTION FACILITIES LAYOUT FOR YATES '1' FED. #1

EDDY COUNTY, NEW MEXICO

SCALE: 1"=30'
DATE: 2-93

EXHIBIT 5

FILLED RESERVE PIT



MITCHELL ENERGY CORP.

DRILLING RIG LAYOUT
YATES '1' FED. #1

EDDY COUNTY, NEW MEXICO

SCALE: 1"=30'
DATE: 2-93

EXHIBIT 6