

MINUTE ITEM

Calendar Item No. C50
was approved as Minute Item
No. 50 by the State Lands
Commission by a vote of 3
to 0 at its 7-19-93
meeting.

CALENDAR ITEM

C50

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APPROVE A NEGOTIATED SUBSURFACE (NO SURFACE USE)
STATE OIL AND GAS LEASE ON STATE LANDS
ADJACENT TO AND IN THE BED
OF MONTEZUMA SLOUGH,
SOLANO COUNTY

PROPOSED LESSEE:

Chevron U.S.A. Inc.
Attention: Tom Bartley
P. O. Box 11191
Bakersfield, California 93389

AREA, TYPE AND LOCATION OF STATE LAND:

Chevron U.S.A. Inc. has submitted a complete application for a negotiated subsurface (no surface use) State oil and gas lease on about 182 acres in which the State owns a 100 percent mineral interest in the bed of Montezuma Slough, and 1,957 acres in which the State owns a 50 percent mineral interest adjacent to Montezuma Slough, Solano County, California.

LAND USE:

Because the State land is a waterway, surface locations for oil and gas operations (drill sites) are not available. However, oil and gas resources that may underlie the State land can be developed and protected pursuant to the Commission's negotiated subsurface (no surface use) State oil and gas lease. This would permit Commission-approved slant drilling from a county-approved drill site and would permit inclusion of the leased lands in a Commission-approved pooled area or unit.

AUTHORITY:

P.R.C. 6815(a) authorizes the Commission to negotiate and enter into oil and gas leases on State lands if any of the following exists: wells drilled on private or public lands are draining or may drain oil and gas from the State lands, the Commission determines the State lands to be unsuitable for competitive bidding because of such factors as their

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small size or irregular configuration or their inaccessibility from surface drill sites reasonably available or obtainable, the State owns a fractional mineral interest in the lands, or the Commission determines the lease to be in the best interests of the State.

Because the Applicant controls by lease and agreement all of the private property adjacent to the State land described in Exhibit "A" and because the Applicant has county (Lead Agency) approval to drill a well near the State land, staff has concluded that the criteria of P.R.C. 6815(a) have been satisfied. A negotiated subsurface (no surface use) State oil and gas lease with the Applicant will protect oil and gas resources that may underlie the State land which is unsuitable for competitive bidding because surface drill sites are not available and wells drilled on the adjacent private property may drain State oil and gas resources.

NON-NEGOTIABLE LEASE PROVISIONS:

1. Primary term will be twenty years and for so long thereafter as oil and gas is produced in paying quantities from the leased lands, or so long as the lessee is diligently conducting producing, drilling, deepening, repairing, redrilling or other necessary lease or well maintenance operations in the leased lands.
2. No right to use any portion of the leased lands to a depth of 500 feet for drilling locations, producing facilities or related oil and gas operations.
3. All development of the leased lands shall be accomplished from surface locations on adjacent lands.
4. All drilling into the leased lands shall be by slant drilling from surface locations on adjacent lands and shall be on a course and to an objective approved in writing by the Commission's staff prior to the commencement of drilling.
5. Compliance with all applicable laws, rules and regulations of Federal, State and local governments and receipt of all necessary permits or approvals prior to slant drilling into the leased lands.

NEGOTIATED LEASE PROVISIONS:

1. Drilling term of three years. However, if all or part of the leased lands are included in a Commission-approved pooled area or unit, then drilling operations on and production from lands pooled or unitized with the leased lands shall be deemed to be drilling operations on and production from the leased lands that are included in the Commission-approved pooled area or unit.
2. Annual rental of \$25 per acre. 1,957 gross/978.50 net acres of lands in which the State owns 50 percent mineral interest, and 182 acres in which the State owns 100 percent mineral interest in the bed of Montezuma Slough (\$29,037.50 for approximately 1,160.50 net acres).
3. Royalty of 20 percent on gas and oil.
4. Performance bond or other security in the sum of \$10,000.

PREREQUISITE CONDITIONS, FEES AND EXPENSES:

Filing fee, processing costs, first year's rental and duly executed State Oil and Gas Lease (Negotiated-Subsurface-Royalty) have been received and are on file in the Commission's Long Beach office.

AB 884:

01/10/94.

OTHER PERTINENT INFORMATION:

1. CEQA Guidelines Section 15378(a)(3) identifies an activity involving the issuance to a person of a lease as a "project". However, if the site of the project or area in which the major environmental effects will occur is located on private property within the county, that county will have jurisdiction by law and will be the Lead Agency over the project pursuant to CEQA Guidelines Section 15366.

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2. As Lead Agency, the Solano County Planning Department approves locations for the drilling of gas wells on private property in the County. Solano County has issued Negative Declaration SCH #9306-1025 to Chevron U.S.A. Inc. for the drilling of wells in the project area.
3. Pursuant to the Commission's delegation of authority and the State CEQA Guidelines (14 Cal Code Regs. 15061), the staff has determined that this activity is exempt from the requirements of the CEQA under the general rule that CEQA applies only to projects which have the potential for causing a significant effect on the environment. Staff believes, in consideration of the action taken by Solano County's Negative Declaration there is no possibility that this project will have a significant effect on the environment.

Authority: 14 Cal. Code Regs. 15061(b)(3).

EXHIBITS:

- A. Land Description
- B. Location Map
- C. Copy of Negative Declaration SCH #9306-1025

IT IS RECOMMENDED THAT THE COMMISSION:

1. FIND THAT THE ACTIVITY IS EXEMPT FROM THE REQUIREMENTS OF THE CEQA PURSUANT TO 14 CAL. CODE REGS. 15061 BECAUSE THERE IS NO POSSIBILITY THAT THE ACTIVITY MAY HAVE A SIGNIFICANT EFFECT ON THE ENVIRONMENT [4 CAL. CODE REGS. 15061(b)(3)].
2. DETERMINE THAT THE CRITERIA OF P.R.C. 6815(a) HAVE BEEN MET, THAT A NEGOTIATED SUBSURFACE (NO SURFACE USE) STATE OIL AND GAS LEASE IS THE BEST INSTRUMENT TO DEVELOP AND PROTECT OIL AND GAS RESOURCES THAT MAY UNDERLIE THE STATE LAND DESCRIBED IN EXHIBIT "A" AND THAT THE STATE LAND IS UNSUITABLE FOR COMPETITIVE BIDDING BECAUSE SURFACE DRILL SITES ARE NOT AVAILABLE AND WELLS DRILLED ON THE ADJACENT PRIVATE PROPERTY MAY DRAIN STATE OIL AND GAS RESOURCES.

CALENDAR ITEM NO. C50 (CONT'D)

3. PURSUANT TO P.R.C. 6815(a), ENTER INTO A NEGOTIATED SUBSURFACE (NO SURFACE USE) STATE OIL AND GAS LEASE WITH CHEVRON U.S.A. INC. THE LEASE WILL CONTAIN THE STATE LAND DESCRIBED IN EXHIBIT "A" (APPROXIMATELY 2,139 GROSS ACRES), A DRILLING TERM OF THREE YEARS, ANNUAL RENTAL OF \$25 PER ACRE (\$29,037.50 FOR APPROXIMATELY 1,160.50 NET ACRES), ROYALTY ON GAS SUBSTANCES AND OIL FIXED AT 20 PERCENT AND PERFORMANCE BOND OR OTHER SECURITY IN THE SUM OF \$10,000.

4. AUTHORIZE THE EXECUTION OF THE DOCUMENT NECESSARY TO EFFECT THE COMMISSION'S ACTION.

LIF

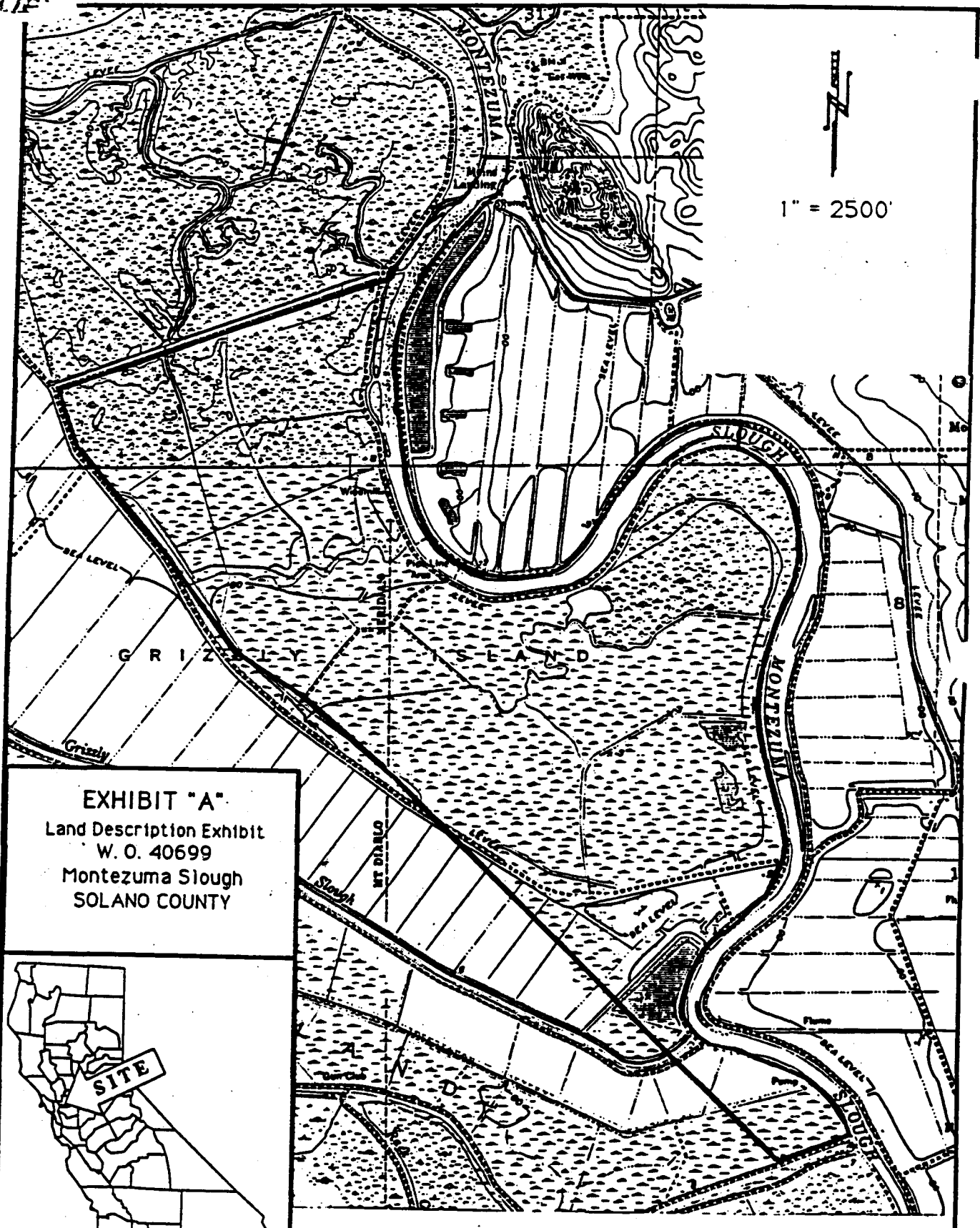


EXHIBIT "A"
 Land Description Exhibit
 W. O. 40699
 Montezuma Slough
 SOLANO COUNTY



NOTE:
 THIS EXHIBIT IS NOT A SURVEY, NOR
 DOES ANY LINE APPEARING HEREON
 REPRESENT A BOUNDARY LINE.

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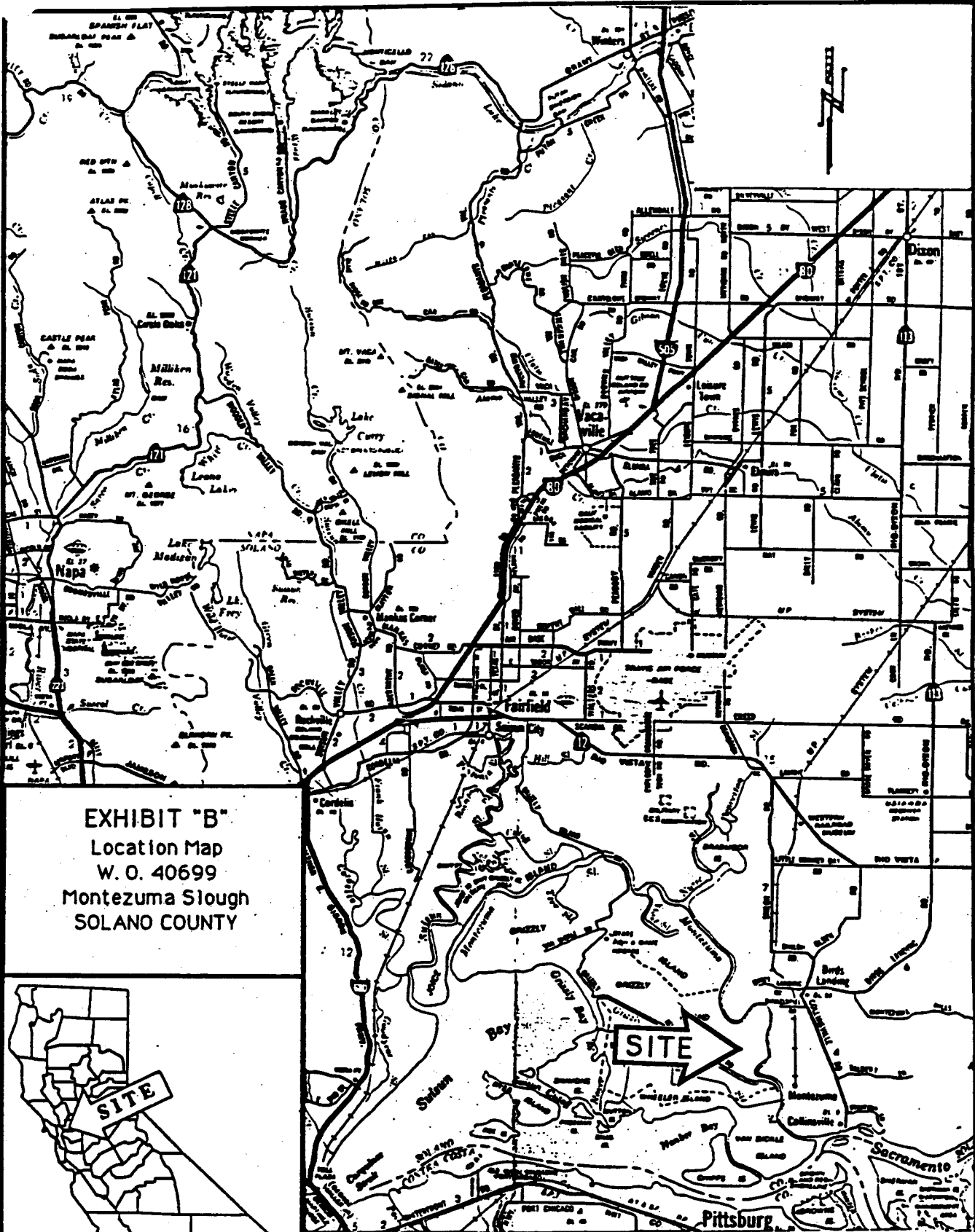


EXHIBIT "B"
 Location Map
 W. O. 40699
 Montezuma Slough
 SOLANO COUNTY



NOTE:
 THIS EXHIBIT IS NOT A SURVEY. NOR
 DOES ANY LINE APPEARING HEREON
 REPRESENT A BOUNDARY LINE.

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33031521

DRAFT
 NEGATIVE DECLARATION
 OF THE
 SOLANO COUNTY ENVIRONMENTAL REVIEW COMMITTEE
 Meeting of June 2, 1993

PROJECT TITLE: Chevron U.S.A. WD-93-01 / MD-93-05

PROJECT DESCRIPTION AND LOCATION: Oil and Gas Well Permit Application No. WD-93-01 / Marsh Development Permit No. 93-05 of Chevron U.S.A. for the drilling of an exploratory gas well and the construction of a pipeline and installation of production equipment as necessary, located in the Suisun Marsh 1150' west and 2287' south from the northeast corner of Section 6, T3N, R1E MDB & M in an "AL-160" Limited Agricultural Zoning District.
 (APN: 0090-070-020)

FINDINGS:

The Solano County Environmental Review Committee has evaluated the initial study which was prepared in regard to the project. The committee found no significant adverse environmental impacts likely to occur which are not mitigated by the amended project description to incorporate county requirements and comply with agency standards to reduce to a level of insignificance or eliminate all potential adverse effects. The Committee determined that the project qualifies for a Negative Declaration based on the mitigation addressed in Section IV and incorporated in the amended project description. Details of the project description, initial study, findings, and disposition are attached.

MITIGATION MEASURES INCORPORATED INTO PROJECT DESCRIPTION:

1. Construction activities within the Secondary Management Area are required to conform to the policies of the County's Suisun Marsh Local Protection Program pertaining to natural gas exploration and grading. The project is not located in or near a wetland or flood hazard area.

Mitigation: The applicant will mitigate any impact of soil disruption by complying with the established standards of the County Department of Transportation, which require erosion control measures. The roadway will be constructed parallel with the existing grade and will require only minor grading. The pad will be graded with cuts and fills of less than 2.5 feet. A grading permit will be required from the County Transportation Department.

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Verification: The grading plan shall be approved by the Transportation Department prior to the issuance of the Marsh Development Permit.

2. Drilling muds or any hazardous materials handled or stored on-site could have a detrimental effect on water quality.

Mitigation: Potential impacts on water quality will be mitigated by the applicant's proposal to contain all drilling muds and drill cuttings in a self contained Baker tank system. After drilling is completed the contents of the tanks will be removed by vacuum truck and disposed of in an approved disposal site. No sump will be used.

Verification: Site inspection by the California Division of Oil and Gas will verify removal of waste materials.

3. The noise, night-time lighting, dust and traffic associated with well drilling activities could affect wildlife and its habitat.

Mitigation: Detrimental impacts on habitat and wildlife will be mitigated by the following measures:

The drilling operation will be limited to as small an area as possible. Access roads and the drilling pad will be periodically sprayed with water to minimize dust. When the well is abandoned, the drilling and production facilities will be removed and the surface area will be revegetated within one growing season after abandonment.

If no gas is discovered the roadway and pad will be removed after the completion of drilling.

If natural gas is discovered the applicant will apply to BCDC for a permit to reconstruct a shorter more direct access road from the County road. The road proposed in this application will be removed.

Verification: Site inspection by the Planning Division will verify completion of project description and project requirements.

4. There is some potential of explosion and release of toxic gas in the event of an accident.

Mitigation: The site is located in a relatively remote location of low intensity use. Personnel on-site are trained for industrial safety and have access to emergency services in the event of an accident.

Verification: The project design incorporates applicable

safety standards of the Office of Pipeline Safety Operations (OPSO) and other regulatory agencies.

5. During drilling, when 12-16 people may be at the site, the need for sewage disposal could present a health hazard.

Mitigation: Any impact from sewage will be mitigated, as proposed by the applicant, by removing these wastes by truck from toilets temporarily located at the site during drilling.

Verification: Site inspection by Planning Division will verify removal of waste materials.

6. Movement of heavy drilling equipment across County Road could result in the need for repair work following project construction.

Mitigation: Any impact on public roads will be mitigated by the posting of a bond with the County Department of Transportation and the issuance of an encroachment permit.

Verification: The issuance of an encroachment permit and posting of security with the Transportation Department prior to the issuance of the Marsh Development Permit constitutes verification.

PREPARATION:

This Negative Declaration was prepared by the Solano County Department of Environmental Management. Copies may be obtained at the address listed below.



Christopher L. Monske
Planning Program Manager
Solano County Department of
Environmental Management
601 Texas Street
Fairfield, Ca. 94533
(707) 421-6765

CLM/BP/bf
bpChevron.nsg

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT REVIEW
PART II OF INITIAL STUDY
OF
ENVIRONMENTAL IMPACTS

APPLICATION NUMBER OR TITLE: Chevron U.S.A. WD-93-05/MD-93-01

ENVIRONMENTAL REVIEW COMMITTEE MEETING DATE: 6-2-93

The following information is provided by the Department of Environmental Management as a review of and supplement to the applicant's completed "Part I of Initial Study". These two documents, Part I and II, comprise the Initial Study required by the State EIR Guidelines, Section 15080.

I. ADDITIONAL DATA:

- A. USGS Quad. Map: Denverton County Base Map: 18N
- B. Zoning: "AL-160" Limited Agricultural
- C. SCS Soil Classification:
Altamont - Diablo clays (AmC) Class III
- D. Is project site in an agricultural preserve? No
- E. Is project site in an airport runway approach zone? No
- F. Is project site in an irrigation district? No
- G. In which APCD is this project located? BAAQMD
- H. In which fire district is this project located?
Montezuma
- I. In which RWQCB is this project located? Region 2 SF Bay
- J. In which Corps of Engineers District? Sacramento
- K. In which school district is this project located?
River Delta
- L. In what city's sphere of influence? None
- M. Is project site located within a seismic special study zone? No
- N. Is project site located within the Suisun Marsh study area? Yes - Secondary Management Area
- O. A.P.N.: 0090-070-020

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II. GENERAL PLAN CONFORMANCE:

The project site is designated Extensive Agriculture by the Solano County General Plan Land Use Element. The proposed use is consistent with the General Plan.

III. ENVIRONMENTAL REVIEW CHECKLIST:

A. General:

- | | Yes | Maybe | No |
|---|-----|-------|----------|
| 1. Does it appear that any feature of the project will generate major public controversy? | ___ | ___ | <u>X</u> |
| 2. Will approval of the project set an important precedent for future projects? | ___ | ___ | <u>X</u> |
| 3. Could this project have any significant impact upon the existing character of the immediate vicinity, or alter the present or planned land use of an area? | ___ | ___ | <u>X</u> |
| 4. Could it result in a major depletion of any non-renewable natural resources? | ___ | ___ | <u>X</u> |
| 5. Could it result in the obstruction of any scenic view open to the public or create a visually offensive site open to public view? | ___ | ___ | <u>X</u> |

B. Land:

- | | | | |
|--|----------|----------|-----|
| 1. Is it located in an area of environmental importance, hazard or critical concern (e.g., Suisun Marsh, Sacramento River, lake, gravel deposits, canal, slough, park, airport)? | <u>X</u> | ___ | ___ |
| 2. Could it cause significant disruptions, displacement, or removal of soils from the site. | ___ | <u>X</u> | ___ |
| 3. Could it change significantly the topography or any unique geologic or physical features? | ___ | <u>X</u> | ___ |

C. Air:

- | | | | |
|---|-----|-----|-----|
| 1. Could it result in a substantial detrimental effect on air quality during and/or after construction? | ___ | ___ | ___ |
|---|-----|-----|-----|

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Yes Maybe No

2. Could it deter the attainment and/or prevent the maintenance of any published national or state air quality standards (e.g. additional source of auto emissions, dust, smoke, etc.)? X
3. Could it result in the emission of objectionable odors? X

D. Water:

1. Could it result in a substantial detrimental effect on water quality? X
2. Could it deter the attainment and/or prevent the maintenance of any national or state water quality standards? X
3. Could it involve the possibility of contamination of a public water supply system or adversely affect ground water quality or supply? X
4. Could it cause or contribute to substantial flooding, erosion or siltation? X
5. Could it significantly alter drainage patterns or the rate or amount of surface runoff of an area? X
6. Will it involve construction of facilities within an area subject to flooding? X

E. Animal life:

1. Could it substantially affect a rare or endangered species or its habitat? X
2. Could it cause substantial interference with the movement of any migratory fish or wildlife species? X
3. Could it result in significant changes in the diversity or numbers of any species of animals (including birds, fish, insects or microfauna)? X

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Yes Maybe No

4. Could it result in deterioration or loss to existing fish or wildlife habitat? X

5. Will the project individually or cumulatively have an adverse effect on fish and wildlife? X

F. Plant life:

1. Could it substantially affect a rare or endangered species of plant? X

2. Could it result in significant changes in the diversity or numbers of any species of plants (including trees, shrubs, microflora or aquatic plants)? X

G. Agriculture:

1. Will it result in the removal of prime agricultural land from production? X

2. Will it result in the reduction of acreage of any agricultural crop? X

3. Will it result in the reduction in acreage of grazing land? X

4. Could it create significant conflict between agricultural and non-agricultural uses? X

H. Noise, Light and Glare:

1. Could it significantly increase existing noise levels? X

2. Could it introduce significant new amounts of light or glare? X

I. Human Health, Safety:

1. Could it subject people or structures to significant geologic or fire hazard? X

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Yes Maybe No

2. Does it involve a risk of an explosion or the release of hazardous substances in the event of any accident? X
3. Could it result in the creation of any health hazard or potential health hazard? X
4. Could it violate any state or local standards relating to solid waste or litter control? X

J. Population, Housing:

1. Could it significantly alter the distribution or density of the human population of an area? X
2. Will it reduce the existing housing stock or create a significant demand for additional housing? X
3. Could it have a significant growth inducing effect? X

K. Transportation, Circulation:

1. Could it generate significant additional vehicular movement? X
2. Could it cause significant alterations to present transportation patterns? X
3. Could it necessitate significant road improvements or construction or significantly increase the need for road maintenance? X
4. Could it create significant additional waterborne, rail or air traffic? X
5. Could it significantly increase traffic hazards to motor vehicles, bicyclists or pedestrians? X

L. Public Services, Utilities

1. Could it have a significant effect upon or result in the need for

new	370.7
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Yes Maybe No

or altered governmental services
or facilities involving:

- a. Fire protection?
- b. Law enforcement?
- c. Parks and recreational opportunities?
- d. Other governmental services?

2. Could it have a significant effect upon or result in the need for new systems or major alterations to the following utilities:

- a. Power or natural gas?
- b. Water?
- c. Sewers?
- d. Storm water drainage?
- e. Solid waste and disposal?
- f. Irrigation facilities?

M. Energy

- 1. Could it use substantial amounts of fuel or energy?
- 2. Could it create a significant new demand upon existing sources of energy?

N. Archaeological, Historic:

- 1. Could it result in destruction, disturbance of a significant archaeological site?
- 2. Could it result in destruction, disturbance or removal of a significant historical site, structure or object?

O. Mandatory Findings of Significance (Section 15065)

- 1. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate important examples of the major periods

of Cali-	CALENDAR PAGE	370.8
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Yes Maybe No

fornia history or prehistory?

___ ___ X

2. Does the project have the potential to achieve short-term private goals to the disadvantage of long-term environmental goals?

___ ___ X

3. Does the project have possible environmental effects which are individually limited but cumulatively considerable? As used in the subsection, "cumulatively considerable" means that the incremental effects of an individual project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.

___ ___ X

4. Will the environmental effects of the project cause substantial adverse effects on human beings, either directly or indirectly?

___ ___ X

IV. Discussion of items indicated in I, II and III above. (Include mitigation measures and alternatives designed to reduce significant effects, causing them to no longer be significant.)

Item No.

B.1. The site is located in the Suisun Marsh Secondary Management area.

The project involves the construction of a road, drill pad, and the drilling of a natural gas well and if successful the installation of production equipment and pipelines.

B.2,3 Construction activities within the Secondary Management Area are required to conform to the policies of the County's Suisun Marsh Local Protection Program pertaining to natural gas exploration and grading. The project is not located in or near a wetland or flood hazard area.

Mitigation: The applicant will mitigate any impact of soil disruption by complying with the established standards of the County Department of Transportation, which require erosion control measures. The roadway will be constructed parallel with the existing grade and will require only minor grading. The pad will be graded with cuts and fills of less than 2.5 feet.

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be required from the County Transportation Department.

Verification: The grading plan shall be approved by the Transportation Department prior to the issuance of the Marsh Development Permit.

D.1-3. Drilling muds or any hazardous materials handled or stored on-site could have a detrimental effect on water quality.

Mitigation: Potential impacts on water quality will be mitigated by the applicant's proposal to contain all drilling muds and drill cuttings in a self contained Baker tank system. After drilling is completed the contents of the tanks will be removed by vacuum truck and disposed of in an approved disposal site. No sump will be used.

Verification: Site inspection by the California Division of Oil and Gas will verify removal of waste materials.

E.2,4,5. The noise, night-time lighting, dust and traffic associated with well drilling activities could affect wildlife and its habitat.

Mitigation: Detrimental impacts on habitat and wildlife will be mitigated by the following measures:

The drilling operation will be limited to as small an area as possible. Access roads and the drilling pad will be periodically sprayed with water to minimize dust. When the well is abandoned, the drilling and production facilities will be removed and the surface area will be revegetated within one growing season after abandonment.

If no gas is discovered the roadway and pad will be removed after the completion of drilling.

If natural gas is discovered the applicant will apply to BCDC for a permit to reconstruct a shorter more direct access road from the County road. The road proposed in this application will be removed.

Verification: Site inspection by the Planning Division will verify completion of project description and project requirements.

I.2. There is some potential of explosion and release of toxic gas in the event of an accident.

Mitigation: The site is located in a relatively remote location of low intensity use. Personnel on-site are trained for industrial safety and have access to

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emergency services in the event of an accident.

Verification: The project design incorporates applicable safety standards of the Office of Pipeline Safety Operations (OPSO) and other regulatory agencies.

I.3. During drilling, when 12-16 people may be at the site, the need for sewage disposal could present a health hazard.

Mitigation: Any impact from sewage will be mitigated, as proposed by the applicant, by removing these wastes by truck from toilets temporarily located at the site during drilling.

Verification: Site inspection by Planning Division will verify removal of waste materials.

K.3. Movement of heavy drilling equipment across County Road could result in the need for repair work following project construction.

Mitigation: Any impact on public roads will be mitigated by the posting of a bond with the County Department of Transportation and the issuance of an encroachment permit.

Verification: The issuance of an encroachment permit and posting of security with the Transportation Department prior to the issuance of the Marsh Development Permit constitutes verification.

V. COORDINATION:

1. Agencies having jurisdiction by law (Section 15366).

San Francisco Regional Water Quality Control Board,
California Dept. of Fish & Game, Suisun Resource
Conservation District, San Francisco Bay Conservation and
Development Commission.

2. Responsible agencies (Section 15381).

California Division of Oil & Gas, Solano County
Department of Transportation.

VI. ENVIRONMENTAL EVALUATION AND RECOMMENDATION:

No significant environmental impacts are anticipated that
cannot be mitigated as described in Section IV. Recommend
that the project qualify for a Negative Declaration.

VII. PREPARATION OF PART II OF INITIAL STUDY:

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Prepared by: Brian Parker Date: 5-19-93

Title: Senior Planner

VIII. ENVIRONMENTAL REVIEW COMMITTEE DETERMINATION:

Disposition: Categorical Exemption, Class _____
 Negative Declaration required
 EIR required
 Referred back to submitting agency for additional information
 Other action

This disposition constitutes the official action of the Committee pursuant to Article III.B of the Solano County EIR Guidelines.

ERC Secretary

Date

Copies of this initial study are available at the Solano County Department of Environmental Management.

BP/kh
BPWD9305.INI

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Solano County Department of Environmental Management

601 TEXAS STREET • FAIRFIELD, CALIFORNIA • 94533 • (707) 421-6765

Marsh Development Permit Application No. <u>MD-93-01</u>		Filing Fees ^{7/16/93} <u>1275</u>
Date Filed <u>4-7-93</u>	Received By <u>B.P.</u>	Zoning <u>AL-160</u>
		Receipt No. <u>634753</u>

FOR OFFICE USE ONLY

- Name of Applicant CHEVRON U.S.A. INC. Telephone (805) 633-4521
Mailing Address P.O. Box 1191 City Bakersfield State CA Zip 93389
Interest in Property (Owner, Lessee or Agent) LESSEE
Name and Address of Property Owner, if different from applicant DAVID A. MAUPIN
2012 STARRING WAY, FAIRFIELD, CA 94533
- Site Address or General Location of Property 1150' WEST & 2287' SOUTH FROM
THE NE/4 OF SECTION 6, T3N, R1E, MDBLM.
- Assessor's Parcel No. Book 90 Page 07 Parcel(s) 02 Size in Acres 120.07
- Project Description TO DRILL AND OPERATE AN EXPLORATORY GAS WELL, McDUGALL-
LIVESTOCK #1.

5. Minimum information required to file application:

- ENVIRONMENTAL EVALUATION QUESTIONNAIRE, COMPLETED.
- SITE PLAN, DRAWN TO SCALE AND FULLY DIMENSIONED. (SEE TYPICAL PLAN DRAWING.)
- ASSESSOR'S PARCEL MAP, WITH SUBJECT PROPERTY OUTLINED IN RED.
- FRONT, SIDE AND REAR ELEVATIONS, DRAWN TO SCALE AND FULLY DIMENSIONED. (NOTE ON DRAWING, TYPE OF EXTERIOR MATERIALS AND DESIGN FEATURES.)
- SUPPLEMENTAL INFORMATION: _____

Applicant's Signature James G. Bentley Date 4/14/93

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Environmental Management

601 TEXAS STREET · FAIRFIELD, CALIFORNIA · 94533 · (707) 421-6765

INFORMATION Required of Applicants
as
Part I of Initial Study
of
Environmental Impacts

For Office Use

Application Number or Title

WD-93-05

The following information is required of the applicant for all projects that require a permit and which the Department of Environmental Management determines are subject to review pursuant to the California Environmental Quality Act (CEQA). Complete disclosure of environmental data is required and is in the best interest of the applicant to avoid uncertainty as to compliance with CEQA. NOTE: This information must relate to the underlying or potential development in all cases as described in Section I.A and B below. Answers may be continued under Section V or on additional sheets.

I. PROJECT DESCRIPTION AND PURPOSE: (Fully describe the nature of the proposed project and the purpose of this request, including the ultimate use of the property which makes this application necessary. Attach additional sheet or continue under Section V if necessary.)

A. Project description: To drill and operate an exploratory gas well, McDougal Livestock #1. Site will be accessed initially from temporary road from West of site, however, permanent access is proposed from South of existing County road, as shown on plat.

B. Ultimate purpose beyond present application: If uneconomic quantities of gas are found, equipment to produce the well including production heater/treater, separator/compressor and a 5000 gal. storage tank will be installed. A pipeline will be installed to transport the gas to a nearby pipeline.

II. PROJECT DETAILS:

A. Environmental Setting:

Describe the project site and surrounding properties as they presently exist; including information on unique features, soil stability, plants and animals and cultural, historical or scenic aspects. (Attach additional sheets and photographs of the site as necessary. Snapshots, etc., are acceptable.)

1. Project site: The site is located in the Suisun Marsh Protection Plan, Secondary Management Area on a flat sloping property. The Suisun Marsh Protection Plan Natural Factors Maps denote this area as upland grass land. The site is presently used for grazing.

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2. Surrounding properties: Montezuma Slough is located South and West, Montezuma Hills is found North & East and duck clubs occupy property South & East.

B. Existing Conditions:

1. Project area (sq. ft. or acres): 200' x 300' or 60,000 sq. ft.
2. Existing use of land:
Grazing
3. Number and type of existing structures:
- a. Residential Clubhouse (unoccupied) 1000' to Northeast
- b. Agricultural None
- c. Commercial None
- d. Other None
4. Number and type of existing trees: None on site
5. Slope of property:
- | | | | |
|-----------------|----------------|-------------|-------|
| Flat or sloping | (0-6% slope) | <u>1.37</u> | acres |
| Rolling | (7-15% slope) | | acres |
| Hilly | (16-24% slope) | | acres |
| Steep | (25% slope) | | acres |
6. Describe surrounding land uses (include type of crop if agricultural):
- NORTH: Montezuma Hills - grazing
- SOUTH: Duck club - no agricultural
- EAST: Upland grasses - grazing
- WEST: Duck club - no agricultural
7. Describe any power lines, water mains, pipelines or other transmission lines which are located on or adjacent to the property: PG&E gas line 900' Northwest, powerline connected to clubhouse.
8. Name of creeks and natural or man-made drainage channels through or adjacent to the property: Montezuma Slough to South & West
9. Primary vehicle access to property: Hwy. 12 to Shiloh Road, South to Birds Landing Road West 2 miles to site

C. Proposed Changes to Project Site:

1. Changes in site contours and vegetation which will result from any grading: Initially the drill pad will be leveled and road graded & leveled. If successful, pad and access road will be graveled with 2-3" of 3/4" base rock.

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2. Number, size and type of trees to be removed:
None
3. Number and type of existing structures to be removed: None
4. Type of fencing or visual screening proposed:
A 6' chain link fence with redwood slats surrounding drillsite.
A 6-8' plywood sound wall surrounding compressor.
5. Access to project site: See attached location map
6. Proposed method of water supply: Trucking
7. Proposed method of sewage disposal: Trucking
8. Period of construction and/or anticipated phasing:
Summer 1993

D. Residential Project: Yes No Mixed
(If "No", proceed to Item E.)

- | | |
|---------------------------------------|--|
| 1. Number of dwelling units proposed: | 2. Number of proposed dwelling units with: |
| One family _____ | One bedroom _____ |
| Two family _____ | Two bedrooms _____ |
| Multi-family _____ | Three bedrooms _____ |
| Condominium _____ | Four or more bedrooms _____ |
| TOTAL | |

3. Approximate price range of lots: _____ to _____.
4. Approximate price range of units: _____ to _____.

E. Commercial, Industrial, Agricultural or Other Non-Residential Project: (Drilling phase)

Yes No Mixed
(If "No", proceed to Section III.)

1. Total number of square feet of floor area: 200' x 300' pad,
60,000 sq. ft. Drilling operations
2. Hours of operation: 24 Months of Operation: 1 mo.
3. Expected maximum number of people/customers using facilities: 15 peak times.
4. Expected maximum number of employees, per shift:
All shifts: 12 per day during drilling, 1 per day thereafter
5. Number of parking spaces proposed: 10 temporary, no permanent
6. Nature of noise generation, if ~~any drilling rig will create~~
noise during drilling phase (1 month)

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- 7. Nature of odors emitted, if any: exhaust from diesel engine -
- 8. Type of loading/unloading facilities: None
- 9. Number of stories: 0 Maximum Height: 130' tall derrick
- 10. Type of exterior lighting proposed: self-contained
- 11. Lot Coverage: building coverage - _____ %
 surfaced area - _____ %
 landscaped or open - 100 %

III. NECESSARY PERMITS FOR THIS PROJECT:

(List below all other permits you will need during the development of this project. Indicate if application for necessary permit has been made.)

- A. Federal agencies (for example; Corps. of Engineers):

- B. State and Regional agencies (for example, BCDC, Air Pollution Control District):

- C. Other Local agencies (including County agencies, special district, cities, etc.): Solano County Dept. of Public Works

IV. ENVIRONMENTAL CHECKLIST:

Indicate the following items applicable to the project or its effects. Discuss in Section V below all items checked "Yes" or "Maybe" (attach additional sheets as necessary).

	Yes	Maybe	No	
A. Change in existing natural features including any bays, tidelands, beaches, lakes, hills or vegetation.	_____	_____	X	
B. Change in scenic views or vistas from existing residential areas, public lands, or roads.	_____	_____	X	Tempor proj
C. Change in pattern or character of general area of project.	_____	_____	X	
D. Generate significant amounts of solid waste or litter.	_____	_____	X	
E. Change in dust, ash, smoke, fumes odors in vicinity.	_____	_____	_____	

for 1 mo. pe
CALENDAR PAGE ^X <u>370.17</u> eni
MINUTE PAGE <u>1589</u>

VI. VERIFICATION OF INFORMATION:

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

Signature: James G. Bentley Date Filed: 4/2/93
Printed Name: THOMAS A. BARTON Phone: (805) 633-4521
Mailing Address: P.O. Box 11191, BAKERSFIELD, CA 93389

For Office Use

VII. STAFF REVIEW:

By: Bruce Parker Date: 5-20-93

Comments: _____

zthterc4

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- F. Change in ocean, bay, lake, stream or ground water; quality or quantity, velocity, flow or alteration of existing drainage patterns. _____ X
- G. Change in existing noise or vibration levels in the vicinity. X for 1 mo. period only _____
- H. Site on filled land or construction or grading on slope of 25% or more. _____ X
- I. Use or disposal of materials potentially hazardous to man or wildlife, such as toxic substances, flammables or explosives. X _____
- J. Change in demand for public services (police, fire, water, sewer, etc.), beyond those presently available on site or proposed in the near future. _____ X
- K. Substantially increase fossil fuel consumption (electricity, oil, natural gas, etc.). _____ X
- L. Change in use of or access to an existing recreational area or navigable stream. _____ X
- M. Change in traffic on immediate road system or vehicular noise. X for 1 mo. period only _____
- N. Removal of agricultural or grazing lands from production. X approx. 1.37 acres _____
- O. Construction within a flood plain. _____ X
- P. Relocation of people. _____ X

V. ADDITIONAL INFORMATION OR COMMENTS REGARDING POSSIBLE ADVERSE ENVIRONMENTAL EFFECTS OF THIS PROJECT:

SEE ATTACHED

V. ADDITIONAL INFORMATION OR COMMENTS REGARDING POSSIBLE ADVERSE ENVIRONMENTAL EFFECTS OF THIS PROJECT:

- E. During drilling phase, the dust levels may be greater than normal due to the increased traffic on dirt access roads. Applicant plans to minimize the possibility of greater than normal dust levels by periodically wetting the access road.
- G. Due to the remoteness of the well site, the effect of increased noise and vibration levels would be negligible.
- H. Applicant intends to grade level the access road and cut and fill and level the drillsite.
- I. In drilling a natural gas well, cartridges are used in perforating the casing to expose the natural gas to the well bore. These cartridges contain small amounts of explosive material. The use and handling of this material is regulated by the California Division of Oil and Gas.

Also in drilling a natural gas well, drilling muds are used to keep the gas within the formation during the drilling operations. In some instances, those muds contain materials which in sufficiently large quantities could potentially be hazardous; however, the applicant intends to design the drilling mud program for this project so as to sufficiently avoid this potential hazard.

All drilling muds, soil wastes, waste water and other fluids shall be contained during drilling operations in a storage tank or storage pit with an impermeable lining. After the drilling is complete, all drilling muds, soil wastes, waste water and other fluids will be removed from the site and disposed of in a manner that does not adversely affect other areas.

- M. During the drilling phase, the traffic on the immediate road system will be increased. This will be for a short duration. It is the applicant's position, however, that this transitory increase in traffic will not impact the environmental setting in and around the project area.
- N. Upon abandonment of the well, the drill pad and access road will be recontoured to the original grade. The end use of the site will be agricultural and grazing.

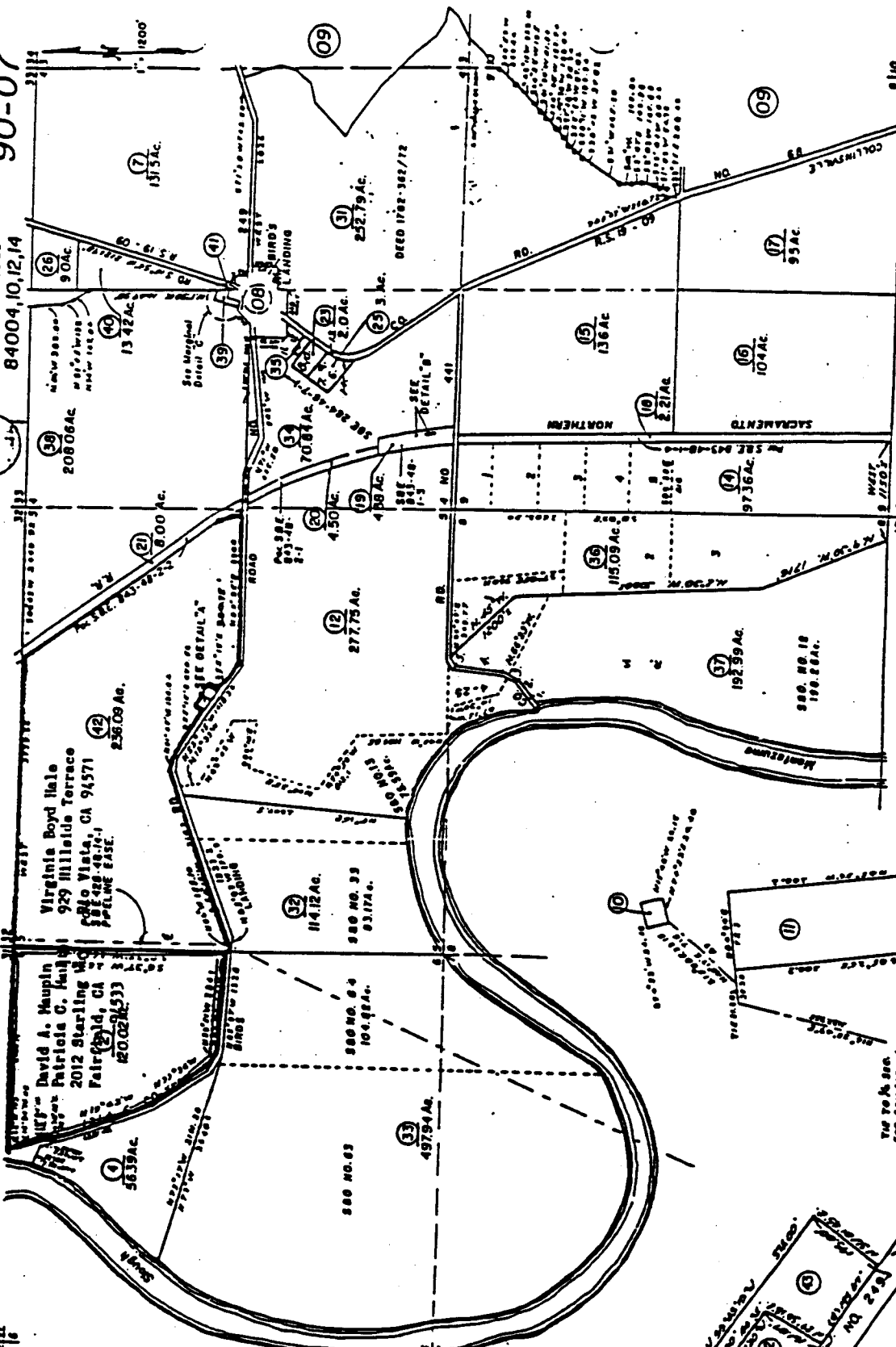
PORT 3 N., R. 1 E., M. D. B. & M.

Tax Area Code
84004, 10, 12, 14
90-07

Blk. 48

1.5M. 811
1.3M. 116

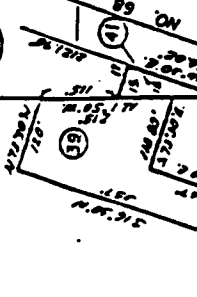
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21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



Virginia Boyd Hale
929 Hillside Terrace
Palo Alto, CA 94571
PALM BEACH, FL
238.08 Ac.

David A. Maupin
Patriola G. Hall
2012 Starling
Fairfield, CA 94504
420.02 Ac.

Blk. 46



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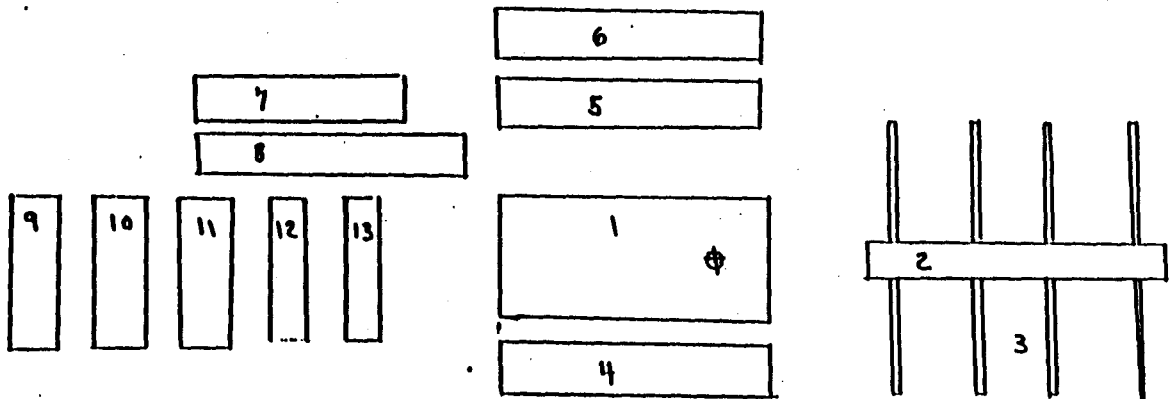
Assessor's Map Blk. 90 - Pg. 07 of 15
County of Solano, Calif.

NOTE - ASSESSOR'S BLOCK & LOT NUMBERS

MARGINAL DETAIL 'B'

MARGINAL DETAIL 'A'

15 007



- LEGEND
- 1 DRILL RIG
 - 2 CATWALK
 - 3 PIPERACK
 - 4 WATERTANK
 - 5 SHALEM PIT
 - 6 WASTE
 - 7 MUD
 - 8 MIX
 - 9 DIESEL
 - 10 LIGHT PLANT
 - 11 TANK
 - 12 MUD PUMP
 - 13 MUD PUMP

300 FT.

MINUTE PAGE
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 370.22
 1594

REVISIONS	



Chevron U.S.A. Inc.
 Western Region, Production Department

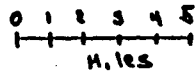
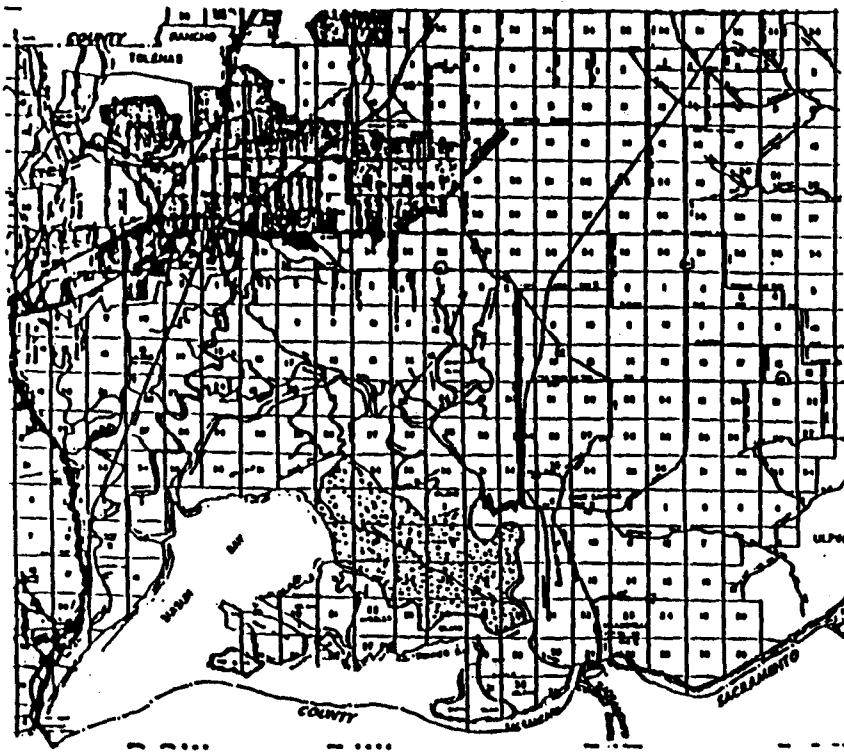
SCALE 0 10 20 30 40 50 DATE 3-24-93 APPROVED

DR. RHC CR. _____ DR. APP. _____ ENGR. _____

OPRG DEPT _____ ENG DEPT. _____

PLOT PLAN - DRILL RIG
 MCDUGAL LIVESTOCK #1
 SOLANO COUNTY
 SECTION 6 T & U RIE


PROJECT NO _____

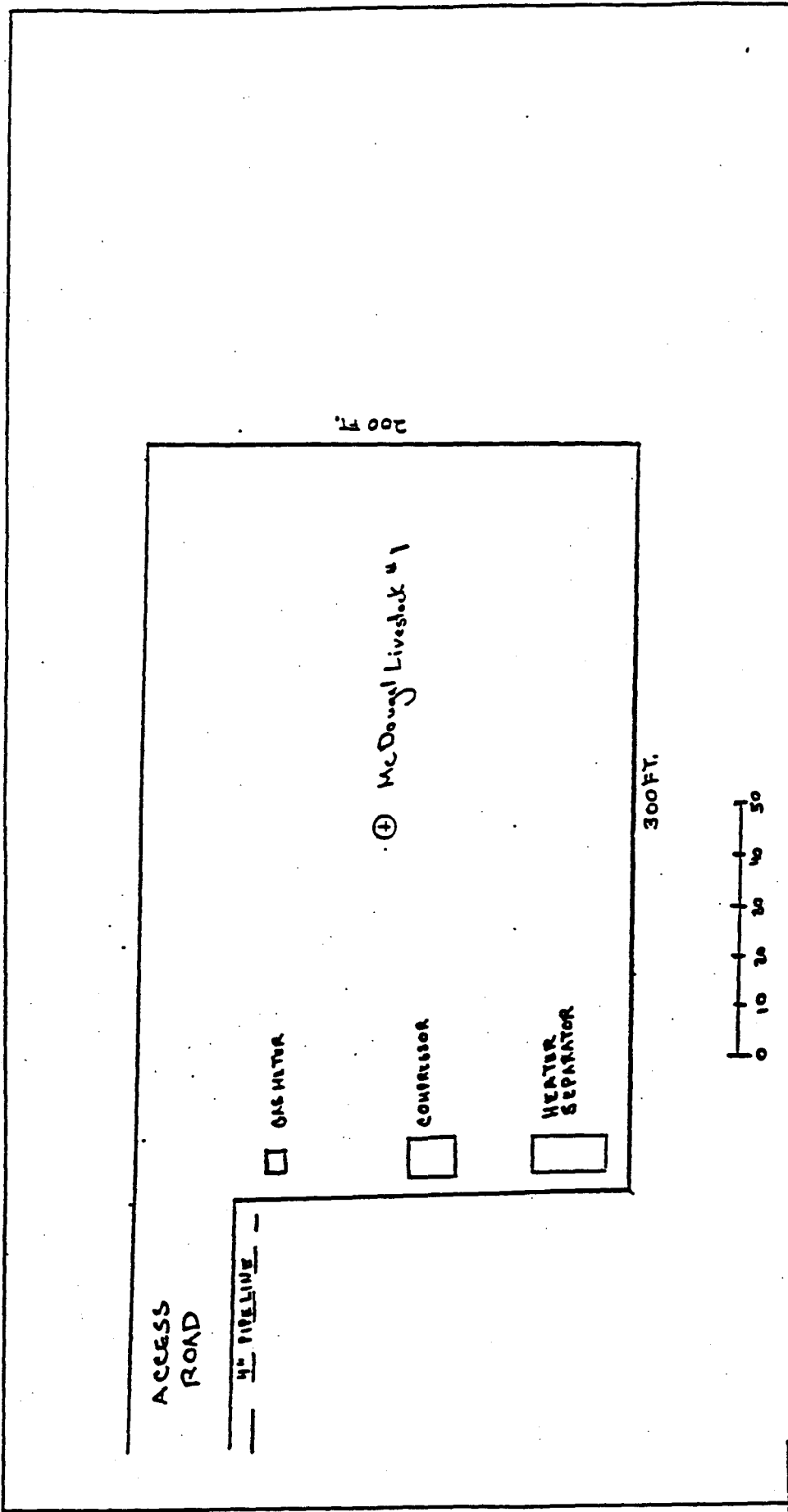


DISTANCE TO WELL
FROM THE INTERSECTION OF STATE HIGHWAY 12
AND SHILOH RD. SOUTH 6 MILES AND WEST ON
BIRD'S LANDING RD 2 MILES.

EMERGENCY TELEPHONE NUMBERS
CHEVRON OFFICE - (707) 374-4000
SHERIFF OR FIRE - 911
E.P.A. - (415) 974-8131

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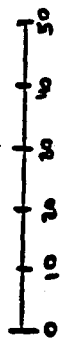
REVISIONS		 Chevron U.S.A. Inc. Western Region, Production Department	LOCATION MAP	
			MCDONALD LIVESTOCK #1	
			SOLANO COUNTY	
			SECTION 6 T4N R1E	
		SCALE <u>AS SHOWN</u>	DATE <u>3/24/73</u>	APPROVED
		DR _____ CH _____	DR APP. <u>RAC</u>	ENGR _____
		OPRG DEPT _____	ENG DEPT _____	PROJECT NO _____



200

⊕ McDougal Livestock #1

300 FT.

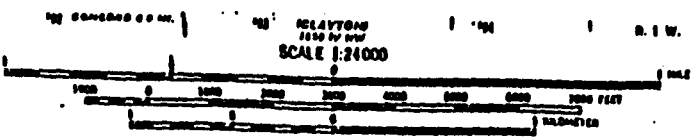
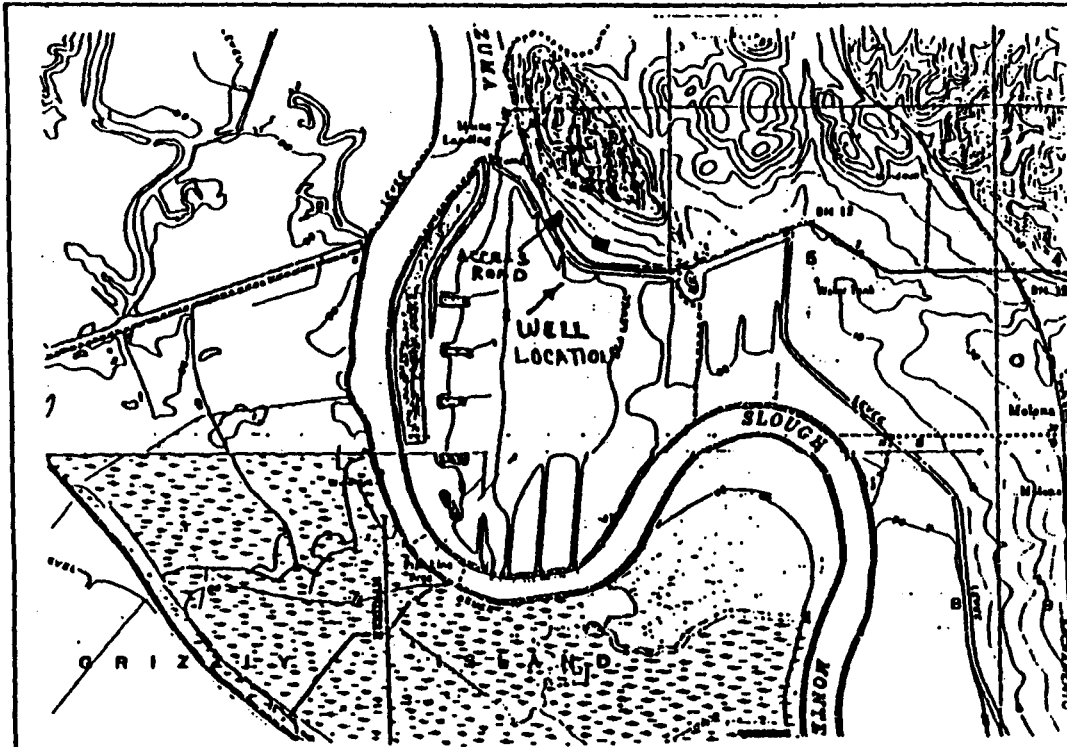


PLOT PLAN - PRODUCTION FACILITIES
 MCDUGAL LIVESTOCK #1
 SOLANO COUNTY
 SECTION 6 T41111E

Chevron U.S.A. Inc.
 Western Region, Production Department

SCALE AS LISTED OR APP. OR APP. OR APP. OR APP.
 DATE 3/29/13
 ENGR. RWC
 APPROVED

REVISIONS	DATE	BY	DESCRIPTION



HONKER BAY, CALIF.
 SURVEY PITCHING BY QUADRANGLE
 30121-JS-17-004
 1953

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 1597
 370.25

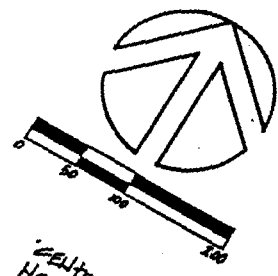
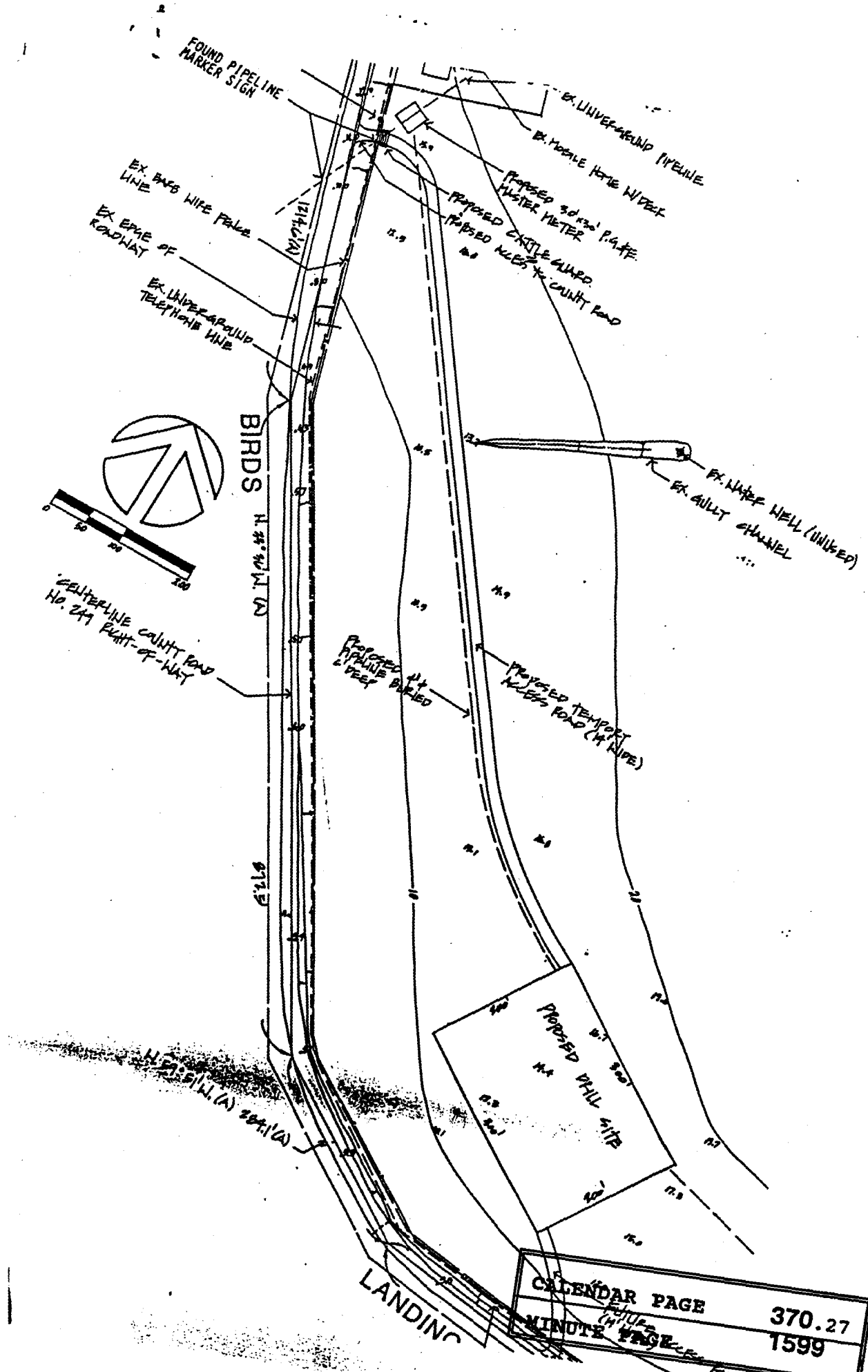
REVISIONS	

Chevron
Chevron U.S.A. Inc.
 Western Region, Production Department

SCALE AS NOTED DATE 3/24/73
 DR. APP. CH. DR. APP. ENGR RHC

APPROVED
 PROJECT NO

VICINITY MAP
 MCDUGAL LIVESTOCK #1
 SOLANO COUNTY
 SECTION 6 T4N R1E



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LANDING

BIRDS

CENTERLINE CALHUN ROAD
NO. 277 RIGHT-OF-WAY

PROPOSED PHIL SITE

PROPOSED PIPELINE PARALLEL

PROPOSED TEMPORARY ALLEYS ROAD (4' WIDE)

EX. WATER WELL (UNUSED)
EX. ALLEY CHANNEL

EX. BARS WIRE FENCE
EX. EDGE OF ROADWAY
EX. UNDERGROUND TELEPHONE LINE

FOUND PIPELINE MARKER SIGN

EX. UNDERGROUND PIPELINE
EX. MOBILE HOME W/DECK

PROPOSED 30' x 30' PLATE
PROPOSED MASTER METER
PROPOSED CASTLE GUARD
PROPOSED 1/2\"/>

EX. UNDERGROUND TELEPHONE LINE

EX. WATER WELL (UNUSED)
EX. ALLEY CHANNEL

PROPOSED TEMPORARY ALLEYS ROAD (4' WIDE)

PROPOSED PIPELINE PARALLEL

PROPOSED PHIL SITE

CENTERLINE CALHUN ROAD
NO. 277 RIGHT-OF-WAY

BIRDS

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LANDING

Notice of Completion

Appendix F

to: State Clearinghouse, 1400 Tenth Street, Sacramento, CA 95814 916/445-0613

SCH # 93061025

Project Title: ND-93-15/ND-93-01 Chevron U.S.A.
Agency: Solano County Dept. of Environmental Mgmt.
Address: 511 Texas Street, Fairfield, CA 94512
Contact Person: Brian J. Parker
Phone: (707) 421-6765
County: Solano

Project Location
City: Solano City/Nearest Community: Birds Landing
Street: Collinsville & Birds Landing Road Total Acres: 1.37
Owner's Parcel No. 0093-070-020 Section: 6 Twp. T3N Range: R1E Base: MDBM
Highway: State Hwy #: N/A Waterways: Montezuma Slough
Airports: N/A Railways: N/A Schools: N/A

Document Type

- CEQA: [] NOP [] Supplement/Subsequent [] NEPA: [] NOI [] Other: [] Joint Document
[] Early Cons [] EIR (Prior SCH No.) [] EA [] Final Document
[] Neg Dec [] Other [] Draft EIS [] Other
[] Draft EIR [] FONSI

Local Action Type

- [] General Plan Update [] Specific Plan [] Rezone [] Annexation
[] General Plan Amendment [] Master Plan [] Prezone [] Redevelopment
[] General Plan Element [] Planned Unit Development [] Use Permit [] Coastal Permit
[] Community Plan [] Site Plan [] Land Division (Subdivision, Parcel Map, Tract Map, etc.) [] Other Oil & Gas Permit
[] Marsh Development Permit

Development Type

- [] Residential: Units Acres
[] Office: Sq. Ft. Acres Employees
[] Commercial: Sq. Ft. Acres Employees
[] Industrial: Sq. Ft. Acres Employees
[] Educational
[] Recreational
[] Water Facilities: Type MGD
[] Transportation: Type
[] Mining: Mineral
[] Power: Type Wells
[] Waste Treatment Type
[] Hazardous Waste: Type
[] Other: Exploratory Gas Well Pipeline, production equipment

Project Issues Discussed in Document

- [x] Aesthetic/Visual [x] Flood Plain/Flooding [] Schools/Universities [x] Water Quality
[] Agricultural Land [] Forest Land/Fire Hazard [] Septic Systems [] Water Supply/Groundwater
[] Air Quality [] Geologic/Seismic [] Sewer Capacity [] Wetland/Riparian
[] Archeological/Historical [] Minerals [] Soil Erosion/Compaction/Grading [] Wildlife
[] Coastal Zone [] Noise [] Solid Waste [] Growth Inducing
[] Drainage/Absorption [] Population/Housing Balance [] Toxic/Hazardous [] Landuse
[] Economic/Jobs [] Public Services/Facilities [] Traffic/Circulation [] Cumulative Effects
[] Fiscal [] Recreation/Parks [x] Vegetation [] Other

Present Land Use/Zoning/General Plan Use Site is used for cattle grazing and is zoned "AL-160" Limited Agricultural. The General Plan designation for the property is Extensive Agriculture.

Project Description

Marsh Development Permit and Oil and Gas Well Drilling Permit for the drilling of an exploratory gas well and the construction of a pipeline and installation of production equipment as necessary.

CLARIFICATION CONTACT: TOM LOFTUS (916) 445-0613

DATE REVIEW BEGAN: 6-14-93
PT. REV TO AGENCY: 7-7
AGENCY REV TO SCH: 7-12
COMPLIANCE: 7-14

- CNT SNT
Resources
Coastal Comm
Storage Rpt Bd
Conservation
Fish & Game
BCDC
DWR
Caltrans
State Planning
State Lands Comm
Working H2o

- CNT SNT
State/Consumer Svcs
Reg. WQCB # 2
DTSC/CTC
State Lands Comm
State Lands Plan

PLEASE NOTE SCH NUMBER ON ALL COMMENTS

PLEASE FORWARD LATE COMMENTS DIRECTLY TO THE LEAD AGENCY ONLY

NO APPEAL (Resources: 6/19)

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