

MINUTE ITEM

This Calendar Item No. C45 was approved as
Minute Item No. 45 by the California State Lands
Commission by a vote of 3 to 0 at its
1-30-02 meeting.

**CALENDAR ITEM
C45**

A 8

01/30/02
PRC 8377 W 40834
J. Planck
R. Nobles
M. Hamilton

S 2

**CONSIDER APPLICATION FOR A
NEGOTIATED LIMITED SURFACE USE OIL AND GAS LEASE,
GRIZZLY ISLAND WILDLIFE MANAGEMENT AREA,
SOLANO COUNTY**

APPLICANT:

Oxy Resources California, LLC
Attn.: Mr. Charles E. Adams
28590 Highway 119, P. O. Box 1002
Tupman, CA 93276-1002

AREA, LAND TYPE, AND LOCATION:

Negotiated limited surface use Oil and Gas Lease on approximately 8,850 gross (4,952 net) mineral acres in the Grizzly Island Wildlife Management Area, Solano County, California. The State's mineral interests in the lands to be leased are a fifty percent (50%) mineral interest in those lands under the jurisdiction of the Department of Fish and Game (DF&G) underlying Grizzly and Hammond Islands, as described in Exhibit A-1, and a one hundred percent (100%) mineral interest in those lands under the jurisdiction of the State Lands Commission underlying Montezuma Slough, Grizzly Slough, Howard Slough and Roaring River, as described in Exhibit A-2. Exhibits A-1 and A-2 are attached, and the lands are depicted in Exhibit A-3, attached.

BACKGROUND:

The Applicant has submitted a complete application for a negotiated, limited surface use, Oil and Gas Lease on approximately 8,850 gross (4,952 net) mineral acres in the Grizzly Island Wildlife Management Area, Solano County. The Applicant presently holds oil and gas leases covering an undivided fifty percent (50%) interest in the minerals underlying the Exhibit A-1 lands on Grizzly and Hammond Islands. The Applicant is seeking an oil and gas lease from the State covering the remaining fifty percent (50%) mineral interest in the Exhibit A-1 lands and the State's one hundred percent (100%) mineral interest in the sloughs and waterways described in Exhibit A-2.

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The Applicant has also applied for and received approval from Solano County Planning Commission (Use Permit No. U-01-03) to drill an initial well within the Grizzly Island Wildlife Management Area on DF&G Parking Lot Four depicted on Exhibit B, attached.

Under the terms of the proposed lease, the Lessee (Applicant) may drill the initial test well into the state leased lands with the approval of the State Lands Commission staff after acquiring all other permits and approvals for the drilling of the well as required by law. No other wells may be drilled on or into the leased lands without the prior approval of the Commission. The decision as to whether to approve additional oil and gas exploration and development activities on the leased lands shall be in the discretion of the Commission and will be contingent upon and subject to additional environmental review pursuant to the California Environmental Quality Act ("CEQA").

The lease provides that within eighteen (18) months after the completion of drilling operations for the initial test well, Lessee shall submit to the Commission for approval, a plan for the exploration and development of the leased lands (the "E&D Plan"). The E&D Plan shall include a complete project description and shall provide for the drilling of at least one additional well for each six-hundred forty (640) acres, or major fraction thereof, covered by this lease. In order to protect the leased lands for wildlife habitat and management purposes and recreational uses, the E&D Plan shall provide for all exploration and development undertaken pursuant to this lease to be conducted only from DF&G approved drillsite locations and/or drillsites located off the leased lands and outside of the Grizzly Island Wildlife Management Area. The Lessee shall provide funds sufficient to pay for the preparation of the required environmental documentation under the CEQA.

After completing the environmental review of the E&D Plan and receiving all necessary permits and approvals, the Lessee shall diligently pursue exploratory and development operations in accordance with the approved E&D Plan. The approved E&D Plan shall include whatever measures are deemed necessary by the Commission to mitigate potentially significant adverse environmental effects of such operations. Development plans for any later discovered pools capable of production in paying quantities shall be submitted to the Commission for approval within one year of discovery of the pool.

All oil and gas operations on the leased lands shall be conducted only from DF&G approved sites. Pursuant to Use Permit No. U-01-03 issued by the

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Solano County Planning Commission on July 19, 2001, Parking Lot Four has been approved for the drilling of the initial test well. Subject to appropriate analysis of potential environmental impacts as required under the CEQA, DF&G has designated as potential additional drill site locations, Parking Lots One, Three and Five, depicted on Exhibit B, attached hereto). Due to the habitat values, recreational uses and wildlife management purposes to which the Grizzly Island Wildlife Management Area is applied, no other sites will be made available on any portion of the Grizzly Island Wildlife Management Area for conducting any operations under this lease. All construction activities to be conducted under the lease, including the grading and construction of drilling and production pads, drilling, logging, completing and equipping of wells for production, trenching, and installation of gathering lines and all other production related equipment, must be conducted exclusively during the construction window. The construction window for Parking Lot Three and Four will be of two months duration, commencing on June 1 and ending on July 31. The construction window for Parking Lots One and Five will be of three and one-half months duration, commencing April 15 and ending on July 31. Lessee and DF&G may, by mutual agreement, modify the construction window as to any DF&G approved drillsite location, provided such modification is in conformity with the terms and conditions of all applicable permits and supporting environmental documents. All construction activity shall cease and all construction equipment shall be removed on or before close of the construction window. All ingress and egress into the leased lands shall be restricted to Grizzly Island Road.

As to all of the leased lands that are not attributable to a producing well or a well then in the process of being drilled, or that are committed to an approved unit, if not terminated earlier, this lease will terminate thirteen (13) years after its effective date.

For the purpose of calculating royalty due the State for production of oil and gas from anywhere on the leased lands, a 160-acre circle will be drawn, having as its center the wellbore at a point which is directly above the projected top of the productive interval. Production from each interval shall be allocated between the Exhibits A-1 and A-2 lands in the percentage that the gross acres each contributes to the 160-acre circle bears to the total number of acres of leased land encompassed within the circle.

Lessee will indemnify the Commission and the DF&G for all claims for loss or damage to property and for injury to or death of persons arising out of the issuance of the lease or from acts or omissions by or on behalf of the Lessee

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under the lease. The Lessee will maintain policies of insurance, naming the Commission and DF&G as additional insureds, in the following amounts: Commercial General Liability in the amount of \$2,000,000 per occurrence, \$5,000,000 aggregate; Worker's Compensation Insurance as required by law; Employer's Liability in an amount of not less than \$1,000,000; and Business Automobile Insurance with limits not less than \$1,000,000 per occurrence. The lease provides that Lessee may fulfill the insurance requirements with a program of corporate self-insurance in form and substance acceptable to the Commission.

OTHER PERTINENT INFORMATION:

1. The leased lands are a part of the Grizzly Island Wildlife Management Area within the Suisun Marsh, which provides important wintering habitat for Pacific Flyway waterfowl and shorebirds. Suisun Marsh provides critical habitat for several special-status species such as the golden eagle, California clapper rail, California black rail, salt marsh harvest mouse, Suisun shrew, and several plant species. Grizzly Island Wildlife Management Area is also an important public recreation area and is used by hunters, anglers, bird watchers, and those who study and observe nature. All units of the Grizzly Island Wildlife Management Area host an estimated 69,000 visitors annually. This unique resource represents approximately ten percent of the wetlands remaining in California and holds significant value to the people of California and the United States. Suisun Marsh is more fully described in Public Resources Code section 29002. The DF&G administers the Grizzly Island Wildlife Management Area.
2. The lease contains a stipulation, solely for the purposes of the lease, that the State's mineral interests in the leased lands are as follows: an undivided fifty percent (50%) mineral interest in Grizzly and Hammond Islands, as described in Exhibit A-1; and a one hundred percent (100%) mineral interest in the sovereign lands underlying Montezuma Slough, Grizzly Slough, Howard Slough and Roaring River, as described in Exhibit A-2. The State may have a claim that certain of the lands in the Grizzly Island Wildlife Area bordering on Grizzly Bay and purportedly conveyed into private ownership by Tide Land Patent, dated January 17, 1876, may have been submerged lands and would not have passed from State ownership under a tideland patent. The State has reserved its rights with respect to the claim, including the right to assert the claim during the term of this lease. If any legal action results in a settlement or final

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determination by a court of competent jurisdiction, that the size, location, or extent of the State's mineral interest in the leased lands, or any portion thereof, differs from that described in the lease, the State's mineral interest shall be adjusted accordingly, effective from the date such settlement or judgment becomes final. No retroactive adjustment of rental or royalty paid prior to such final determination shall be required as the result of the re-determination of interest.

3. Staff believes that a negotiated oil and gas lease is in the best interests of the State because the Applicant presently holds oil and gas leases from private mineral owners covering an undivided fifty percent (50%) mineral interest in the Exhibit A-1 lands, and the Applicant, through oil and gas leases and agreements with other mineral lessees, controls substantially all of the available drillsite access to the waterways constituting the Exhibit A-2 lands.
4. The Commission's staff has reviewed Solano County Planning Commission Use Permit No. U-01-03 to drill an initial well located adjacent to Grizzly Island Road on existing DF&G Parking Lot Four and the Mitigated Negative Declaration (SCH No. 2001062075) and Mitigation Monitoring Program pursuant to which the Use Permit was issued.
5. This activity involves lands identified as possessing significant environmental values pursuant to Public Resources Code sections 6370, et seq. Based upon the staff's consultation with the persons nominating such lands and through the CEQA review process, it is the staff's opinion that the project, as proposed, is consistent with its use classification.
6. The lease provides a drilling term of three years, annual rental of \$40 per net mineral acre (\$198,080 for approximately 8,850 gross (4,950 net) mineral acres), royalty of twenty percent (20%) on gas and oil, and performance bond or other security requirement of five hundred thousand dollars (\$500,000).
7. In accordance with the provisions of Public Resources Code section 6854, the DF&G has consented to the leasing of the Exhibit A-1 lands under its jurisdiction pursuant to the terms of the lease.

APPROVALS OBTAINED:

Solano County Planning Commission, Department of Fish & Game

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APPROVALS REQUIRED:

California State Lands Commission, United States Army Corp of Engineers,
California Regional Water Quality Control Board, San Francisco Bay
Conservation and Development Commission

PERMIT STREAMLINING ACT DEADLINE:

June 6, 2002

EXHIBITS:

- A-1. Land Description: 50 Percent Mineral Interest
- A-2. Land Description: 100 Percent Mineral Interest
- A-3. Site Map
- B. Map of Parking Lots
- C. Mitigation Monitoring Program

RECOMMENDED ACTION:

IT IS RECOMMENDED THAT THE COMMISSION:

CEQA FINDING:

1. FIND THAT USE PERMIT NO. U-01-03 TO DRILL AN INITIAL WELL LOCATED ADJACENT TO GRIZZLY ISLAND ROAD ON EXISTING DF&G PARKING LOT FOUR, DEPICTED ON EXHIBIT B, ATTACHED HERETO, HAS BEEN ISSUED BY SOLANO COUNTY PURSUANT TO A MITIGATED NEGATIVE DECLARATION (SCH NO. 2001062075) AND THE COMMISSION'S STAFF HAS REVIEWED THE MITIGATED NEGATIVE DECLARATION AND THAT THE COMMISSION HAS REVIEWED AND CONSIDERED THE INFORMATION CONTAINED THEREIN.
2. FIND THAT THIS ACTIVITY IS CONSISTENT WITH THE USE CLASSIFICATION DESIGNATED FOR THE LAND PURSUANT TO PUBLIC RESOURCES CODE SECTIONS 6370, ET SEQ.
3. ADOPT THE MITIGATION MONITORING PROGRAM, AS CONTAINED IN EXHIBIT C, ATTACHED HERETO.

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OTHER FINDING:

DETERMINE THAT THE CRITERIA OF PUBLIC RESOURCES CODE SECTIONS 6815(a), 6851 AND 6854 HAVE BEEN MET, THAT A NEGOTIATED LIMITED SURFACE USE OIL AND GAS LEASE IS THE BEST INSTRUMENT TO DEVELOP AND PROTECT OIL AND GAS RESOURCES THAT MAY UNDERLIE THE STATE LAND DESCRIBED IN EXHIBITS A-1 AND A-2, ATTACHED HERETO, AND THAT THE STATE LAND IS UNSUITABLE FOR COMPETITIVE BIDDING BECAUSE THE APPLICANT HAS OIL AND GAS LEASES COVERING AN UNDIVIDED FIFTY PERCENT INTEREST IN THE EXHIBIT A-1 LANDS AND CONTROLS DRILLSITE ACCESS TO THE EXHIBIT A-2 LANDS, AND FURTHER, WELLS DRILLED INTO PRIVATE PROPERTY MAY DRAIN STATE OIL AND GAS RESOURCES.

AUTHORIZATION

1. AUTHORIZE THE ISSUANCE OF A NEGOTIATED LIMITED SURFACE USE OIL AND GAS LEASE TO OXY RESOURCES CALIFORNIA, LLC UPON TERMS AND CONDITIONS OUTLINED IN THIS CALENDAR ITEM AND SUBSTANTIALLY IN THE FORM ON FILE IN THE OFFICES OF THE COMMISSION. THE LEASE WILL CONTAIN THE STATE LANDS DESCRIBED IN EXHIBITS A-1 AND A-2, ATTACHED HERETO, (APPROXIMATELY 8,850 GROSS (4,952 NET) MINERAL ACRES), A DRILLING TERM OF THREE YEARS, ANNUAL RENTAL OF \$40 PER ACRE (\$198,080 FOR APPROXIMATELY 8,850 GROSS (4,952 NET) MINERAL ACRES), ROYALTY ON OIL AND GAS SUBSTANCES FIXED AT TWENTY PERCENT (20%) AND PERFORMANCE BOND OR OTHER SECURITY IN THE SUM OF FIVE HUNDRED THOUSAND DOLLARS (\$500,000).

2. AUTHORIZE THE EXECUTIVE OFFICER OR HIS DESIGNEE TO EXECUTE ANY DOCUMENT NECESSARY TO IMPLEMENT THE COMMISSION'S ACTION.

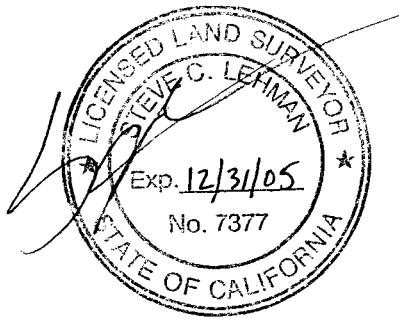
**EXHIBIT A-1
LAND DESCRIPTION**

All of Parcels 1, 2, and 3 as conveyed to the State of California by the Final Order and Decree of Condemnation recorded March 30, 1950 in Book 527 Official Record Page 43, Solano Country Records, Solano, County, State of California.

EXCEPTING THEREFROM any portion thereof that lies below the ordinary high water mark of Roaring River, Montezuma, Grizzly, and Howard sloughs situated within those lands patented by the State of California for Swamp and Overflowed Land Survey Nos. 254, 255, 256, 257, 258, 259, 260, 366, 370, 377, 378, 564, and 667.

EXCEPTING THEREFROM any portion thereof that lies below the ordinary low water mark of Roaring River and Grizzly sloughs situated within those lands patented by the State of California for Tide Land Survey No. 31-A (also known as Tide Land Location No. 33, Solano County).

END OF DESCRIPTION



**EXHIBIT A-2
LAND DESCRIPTION**

Parcel 1 Grizzly Slough

All the tide and submerged lands in the bed of Grizzly Slough, Solano County, California, lying in projected Sections 10, 11, 12, 13, and 14, Township 3 North, Range 1 West and lying in projected Sections 17, 18, 19 and 20, Township 3 North, Range 1 East, Mount Diablo Meridian, more particularly described as follows:

COMMENCING at NGS Control Station CATTLE, said point having California Coordinates X=3,041,076.61 feet Y=154,103.88 feet, Zone 2, NAD 27; thence North 78°33'48" West, 11,107.06 feet to the POINT OF BEGINNING on the Oil and Gas Lease line of the Southerly bank of Grizzly Slough, said point having California Coordinates X=2,030,190.084 feet Y=156,306.238 feet, Zone 2, NAD 27; thence along said southerly line the following courses:

- 1) South 57°57'32" West, 108.42 feet;
- 2) South 54°07'33" West, 169.02 feet;
- 3) South 49°14'34" West, 227.56 feet;
- 4) South 52°13'14" West, 200.17 feet;
- 5) South 74°30'30" West, 172.70 feet;
- 6) South 73°16'43" West, 103.93 feet;
- 7) South 74°43'18" West, 113.50 feet;
- 8) North 88°04'10" West, 288.87 feet;
- 9) North 74°06'58" West, 144.94 feet;
- 10) North 67°26'55" West, 129.39 feet;
- 11) North 68°15'58" West, 214.41 feet;
- 12) North 61°53'39" West, 316.14 feet;
- 13) North 45°04'43" West, 126.63 feet;
- 14) North 54°32'21" West, 171.20 feet;
- 15) North 64°52'11" West, 187.00 feet;
- 16) North 64°52'09" West, 374.00 feet;
- 17) North 67°32'51" West, 441.78 feet;
- 18) North 61°27'45" West, 249.41 feet;
- 19) North 60°00'19" West, 218.49 feet;
- 20) North 59°36'25" West, 366.25 feet;
- 21) North 50°36'20" West, 219.13 feet;
- 22) North 59°49'04" West, 138.26 feet;
- 23) North 45°04'45" West, 211.05 feet;
- 24) North 61°08'48" West, 432.09 feet;

- 25) North 58°02'23" West, 2007.43 feet;
- 26) North 61°01'08" West, 614.79 feet;
- 27) North 60°05'33" West, 298.73 feet;
- 28) North 55°22'53" West, 314.68 feet;
- 29) North 54°22'13" West, 392.15 feet;
- 30) North 58°48'39" West, 325.99 feet;
- 31) North 60°33'52" West, 740.77 feet;
- 32) North 59°55'58" West, 713.50 feet;
- 33) North 59°29'43" West, 254.31 feet;
- 34) North 60°42'56" West, 182.70 feet;
- 35) North 36°06'17" West, 135.29 feet;
- 36) North 77°31'44" West, 91.78 feet;
- 37) North 54°02'59" West, 135.35 feet;
- 38) North 54°14'22" West, 220.95 feet;
- 39) North 70°46'30" West, 210.92 feet;
- 40) North 76°01'23" West, 123.13 feet;
- 41) North 80°02'48" West, 171.85 feet;
- 42) North 72°42'32" West, 166.86 feet;
- 43) North 76°01'24" West, 410.44 feet;
- 44) North 74°06'58" West, 289.88 feet;
- 45) North 66°44'05" West, 552.83 feet;
- 46) North 57°36'15" West, 259.51 feet;
- 47) North 63°30'23" West, 267.06 feet;
- 48) North 55°22'53" West, 314.68 feet;
- 49) North 47°40'53" West, 309.87 feet;
- 50) North 48°15'31" West, 507.33 feet;
- 51) North 36°06'17" West, 135.29 feet;
- 52) North 37°33'08" West, 351.50 feet;
- 53) North 32°21'03" West, 223.51 feet;
- 54) North 31°56'28" West, 433.31 feet;
- 55) North 32°48'38" West, 331.08 feet;
- 56) North 42°03'58" West, 535.36 feet;
- 57) North 51°00'04" West, 538.62 feet, leaving said southerly bank;
 thence North 61°50'24" West, 228.44 feet to a point on the Oil and Gas
 Lease line of the northerly bank of said slough, said point having California
 Coordinates X=2,016,200.090 feet Y=165,032.081 feet, Zone 2, NAD 27;
 thence along said lease line the following courses:
- 58) North 71°01'56" East, 1131.90 feet;
- 59) South 2°24'50" West, 187.93 feet;
- 60) South 3°52'53" West, 206.59 feet;
- 61) South 12°27'54" East, 144.55 feet;
- 62) South 27°47'18" East, 116.69 feet;
- 63) South 44°32'37" East, 213.76 feet;
- 64) South 32°58'50" East, 114.38 feet;
- 65) South 33°19'23" East, 303.95 feet;
- 66) South 35°21'14" East, 231.18 feet;

- 67) South 26°53'37" East, 281.65 feet;
- 68) South 34°10'17" East, 221.70 feet;
- 69) South 42°36'16" East, 443.06 feet;
- 70) South 42°44'30" East, 391.85 feet;
- 71) South 45°40'10" East, 387.58 feet;
- 72) South 54°26'58" East, 167.79 feet;
- 73) South 50°56'03" East, 156.66 feet;
- 74) South 76°49'05" East, 49.37 feet;
- 75) South 52°52'11" East, 191.58 feet;
- 76) South 63°04'34" East, 168.11 feet;
- 77) South 76°40'47" East, 127.13 feet;
- 78) South 86°51'59" East, 50.96 feet;
- 79) South 70°58'17" East, 77.77 feet;
- 80) South 65°17'43" East, 121.40 feet;
- 81) South 77°00'10" East, 200.22 feet;
- 82) South 79°19'01" East, 166.88 feet;
- 83) South 70°12'37" East, 216.38 feet;
- 84) South 78°04'51" East, 190.72 feet;
- 85) South 62°25'34" East, 134.00 feet;
- 86) North 89°57'19" East, 14.14 feet;
- 87) South 83°20'26" East, 145.17 feet;
- 88) South 72°57'22" East, 81.87 feet;
- 89) South 58°38'43" East, 178.84 feet;
- 90) South 80°02'49" East, 97.60 feet;
- 91) South 63°56'25" East, 166.85 feet;
- 92) South 58°01'04" East, 330.11 feet;
- 93) South 52°02'46" East, 362.32 feet;
- 94) South 57°43'42" East, 256.28 feet;
- 95) South 57°46'05" East, 454.72 feet;
- 96) South 66°52'14" East, 64.58 feet;
- 97) South 57°52'46" East, 180.33 feet;
- 98) South 69°17'38" East, 87.67 feet;
- 99) South 59°42'58" East, 458.52 feet;
- 100) South 70°38'14" East, 124.49 feet;
- 101) South 55°37'28" East, 294.71 feet;
- 102) South 62°43'20" East, 92.27 feet;
- 103) South 54°12'26" East, 226.66 feet;
- 104) South 52°46'39" East, 296.20 feet;
- 105) South 51°14'28" East, 428.04 feet;
- 106) South 58°04'11" East, 213.28 feet;
- 107) South 81°04'49" East, 54.38 feet;
- 108) South 65°09'57" East, 87.25 feet;
- 109) South 65°13'58" East, 545.02 feet;
- 110) South 59°23'05" East, 307.31 feet;
- 111) South 55°27'55" East, 243.78 feet;
- 112) South 51°41'13" East, 376.59 feet;

- 113) South 54°17'45" East, 386.63 feet;
- 114) South 59°32'01" East, 328.13 feet;
- 115) South 62°05'35" East, 307.22 feet;
- 116) South 57°31'05" East, 239.56 feet;
- 117) South 55°06'35" East, 527.58 feet;
- 118) South 57°09'12" East, 467.95 feet;
- 119) South 61°29'40" East, 227.39 feet;
- 120) South 66°23'55" East, 225.28 feet;
- 121) South 67°03'57" East, 325.48 feet;
- 122) South 59°16'23" East, 513.26 feet;
- 123) South 61°51'20" East, 152.82 feet;
- 124) South 60°39'29" East, 304.97 feet;
- 125) South 58°17'38" East, 305.85 feet;
- 126) South 71°08'26" East, 104.58 feet;
- 127) South 66°21'59" East, 126.56 feet;
- 128) South 73°30'18" East, 218.22 feet;
- 129) North 85°03'45" East, 166.16 feet;
- 130) North 87°54'56" East, 79.21 feet;
- 131) North 68°31'46" East, 207.45 feet;
- 132) North 46°28'54" East, 198.63 feet;
- 133) North 24°33'58" East, 194.86 feet;
- 134) North 5°23'27" East, 73.57 feet, leaving said northerly bank; thence
South 51°54'32" East, 542.11' to the POINT OF BEGINNING.

EXCEPTING THEREFROM any portion thereof that lies above the ordinary high water mark of Grizzly slough situated within those lands patented by the State of California for Swamp and Overflowed Land Survey Nos. 254, 255, 256, 257, 258, 259, 260 377, 564, and 667.

EXCEPTING THEREFROM any portion thereof that lies above the ordinary low water mark of Roaring River and Grizzly sloughs situated within those lands patented by the State of California for Tide Land Survey No. 31-A (also known as Tide Land Location No. 33, Solano County).

Containing 177.5 Acres more or less.

Parcel 2 Roaring River Slough

All the tide and Submerged lands in the bed of Roaring River Slough, Solano County, California, lying in projected Sections 9, 14, 15, 16, 22, 23 and 24, Township 3Northorth, Range 1 West and lying in projected Sections 19 and 20, Township 3Northorth, Range 1 East, Mount Diablo Meridian, more particularly described as follows:

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COMMENCING at NGS Control Station CATTLE, Said point having California Coordinates X=3,041,076.61 feet Y=154,103.88 feet, Zone 2, NAD 27; North 88°49'52" West, 7,980.45 feet to the POINT OF BEGINNING on the Oil and Gas Lease line of the Southerly bank of Roaring River Slough, Said point having California Coordinates X=2,033,097.818 feet Y=154,266.677 feet, Zone 2, NAD 27; thence along said southerly line the following courses:

- 1) North 74°28'43" West, 190.91 feet;
- 2) North 85°23'59" West, 172.11 feet;
- 3) North 89°39'48" West, 159.77 feet;
- 4) North 89°44'24" West, 153.77 feet;
- 5) South 74°39'46" West, 131.44 feet;
- 6) South 72°16'37" West, 145.10 feet;
- 7) South 68°13'28" West, 119.07 feet;
- 8) South 61°43'51" West, 81.60 feet;
- 9) South 57°33'48" West, 72.06 feet;
- 10) South 57°05'03" West, 51.66 feet;
- 11) South 50°21'12" West, 94.46 feet;
- 12) South 72°37'05" West, 133.66 feet;
- 13) South 68°14'00" West, 100.78 feet;
- 14) South 71°35'16" West, 122.36 feet;
- 15) South 75°35'08" West, 177.64 feet;
- 16) South 67°28'42" West, 172.85 feet;
- 17) South 69°01'19" West, 216.16 feet;
- 18) South 50°26'03" West, 157.21 feet;
- 19) South 53°33'44" West, 275.11 feet;
- 20) South 78°39'46" West, 53.77 feet;
- 21) South 41°37'39" West, 63.44 feet;
- 22) South 64°31'24" West, 122.61 feet;
- 23) South 58°48'20" West, 234.12 feet;
- 24) South 48°34'16" West, 119.47 feet;
- 25) South 25°32'46" West, 134.29 feet;
- 26) South 56°21'58" West, 214.41 feet;
- 27) South 83°37'33" West, 95.49 feet;
- 28) South 68°10'55" West, 85.17 feet;
- 29) South 48°00'26" West, 70.89 feet;
- 30) South 73°16'44" West, 55.04 feet;
- 31) South 50°42'17" West, 74.90 feet;
- 32) South 36°51'49" West, 79.02 feet;
- 33) South 60°14'37" West, 42.50 feet;
- 34) South 44°59'42" West, 149.04 feet;
- 35) South 74°43'17" West, 60.11 feet;
- 36) South 57°31'14" West, 68.72 feet;
- 37) South 83°23'04" West, 137.99 feet;
- 38) North 87°26'34" West, 116.12 feet;

- 39) North 70°31'44" West, 173.41 feet;
- 40) North 72°42'31" West, 88.38 feet;
- 41) North 87°45'16" West, 131.92 feet;
- 42) North 82°37'13" West, 122.29 feet;
- 43) North 77°37'10" West, 167.20 feet;
- 44) North 68°41'19" West, 220.92 feet;
- 45) North 67°17'50" West, 257.96 feet;
- 46) North 71°55'10" West, 337.79 feet;
- 47) North 69°30'37" East, 225.21 feet;
- 48) North 65°33'56" West, 466.74 feet;
- 49) North 56°23'09" West, 209.03 feet;
- 50) North 39°53'00" West, 41.15 feet;
- 51) North 55°22'52" West, 83.33 feet;
- 52) North 76°01'27" West, 43.48 feet;
- 53) North 47°34'04" West, 85.78 feet;
- 54) North 28°22'25" West, 77.77 feet;
- 55) North 37°13'28" West, 218.11 feet;
- 56) North 24°50'43" West, 150.82 feet;
- 57) North 17°35'19" West, 209.87 feet;
- 58) North 18°29'58" West, 83.27 feet;
- 59) North 33°45'59" West, 132.96 feet;
- 60) North 23°34'02" West, 132.09 feet;
- 61) North 52°40'22" West, 112.78 feet;
- 62) North 35°54'52" West, 116.97 feet;
- 63) North 62°05'36" West, 191.00 feet;
- 64) North 57°20'25" West, 175.44 feet;
- 65) North 66°13'50" West, 247.82 feet;
- 66) North 65°47'59" West, 466.47 feet;
- 67) North 71°02'21" West, 323.44 feet;
- 68) North 82°27'24" West, 79.79 feet;
- 69) South 48°21'42" West, 63.45 feet;
- 70) North 80°44'38" West, 325.91 feet;
- 71) North 76°01'25" West, 108.69 feet;
- 72) North 69°01'45" West, 73.43 feet;
- 73) North 72°57'35" West, 143.41 feet;
- 74) North 87°02'00" West, 200.63 feet;
- 75) North 85°17'04" West, 126.98 feet;
- 76) North 80°02'49" West, 91.01 feet;
- 77) South 70°19'39" West, 78.37 feet;
- 78) North 67°41'16" West, 96.92 feet;
- 79) South 85°12'02" West, 63.49 feet;
- 80) North 81°18'26" West, 69.35 feet;
- 81) North 87°59'57" West, 147.73 feet;
- 82) North 77°03'50" West, 70.34 feet;
- 83) North 89°19'04" West, 416.57 feet;
- 84) North 81°04'50" West, 101.42 feet;

- 85) South 81°13'22" West, 69.35 feet;
- 86) North 83°42'36" West, 143.23 feet;
- 87) South 84°50'09" West, 126.28 feet;
- 88) South 86°27'32" West, 258.84 feet;
- 89) South 76°58'47" West, 140.68 feet;
- 90) South 63°25'20" West, 94.30 feet;
- 91) South 66°01'25" West, 51.92 feet;
- 92) South 74°58'53" West, 305.65 feet;
- 93) South 31°59'47" West, 49.70 feet;
- 94) South 60°56'04" West, 54.27 feet;
- 95) South 57°31'12" West, 68.72 feet;
- 96) South 82°50'33" West, 85.02 feet;
- 97) South 72°37'29" West, 88.37 feet;
- 98) South 89°57'27" West, 68.54 feet;
- 99) South 80°30'27" West, 96.21 feet;
- 100) South 86°56'57" West, 100.32 feet;
- 101) South 75°31'54" West, 359.32 feet;
- 102) South 71°05'40" West, 211.73 feet;
- 103) South 59°01'35" West, 92.20 feet;
- 104) South 61°22'43" West, 132.09 feet;
- 105) South 52°35'18" West, 112.78 feet;
- 106) South 50°21'10" West, 160.31 feet;
- 107) South 51°42'12" West, 167.36 feet;
- 108) South 43°21'10" West, 146.84 feet;
- 109) South 38°26'45" West, 233.12 feet;
- 110) South 31°45'02" West, 130.10 feet;
- 111) South 46°04'33" West, 197.51 feet;
- 112) South 52°15'27" West, 178.47 feet;
- 113) South 55°05'24" West, 276.33 feet;
- 114) South 65°53'00" West, 219.45 feet;
- 115) South 69°33'35" West, 528.78 feet;
- 116) South 79°11'14" West, 225.42 feet;
- 117) South 79°46'01" West, 267.85 feet;
- 118) South 80°54'52" West, 85.56 feet;
- 119) North 85°26'55" West, 124.47 feet;
- 120) South 85°00'31" West, 81.73 feet;
- 121) North 87°26'34" West, 116.12 feet;
- 122) North 60°42'57" West, 96.76 feet;
- 123) North 57°36'14" West, 84.48 feet;
- 124) North 40°53'38" West, 148.94 feet;
- 125) North 18°07'42" West, 175.41 feet;
- 126) North 2°30'22" East, 237.19 feet;
- 127) North 19°21'18" West, 111.60 feet;
- 128) North 1°52'10" East, 316.12 feet;
- 129) North 6°45'38" West, 90.14 feet;
- 130) North 4°48'43" West, 126.82 feet;

- 131) North 12°35'10" West, 145.65 feet;
- 132) North 3°46'37" East, 158.32 feet;
- 133) North 21°30'54" West, 158.44 feet;
- 134) North 3°32'21" East, 84.42 feet;
- 135) North 1°46'28" West, 352.65 feet;
- 136) North 5°35'40" West, 544.93 feet;
- 137) North 11°02'11" West, 359.40 feet;
- 138) North 27°28'48" West, 320.39 feet;
- 139) North 49°10'57" West, 128.79 feet;
- 140) North 54°37'10" West, 378.08 feet;
- 141) North 76°01'24" West, 139.36 feet;
- 142) South 70°32'28" West, 304.65 feet;
- 143) South 63°25'21" West, 264.48 feet;
- 144) South 63°25'21" West, 680.09 feet;
- 145) South 73°35'18" West, 299.46 feet;
- 146) South 79°50'46" West, 480.71 feet;
- 147) South 85°54'41" West, 411.50 feet;
- 148) North 83°32'33" West, 649.76 feet;
- 149) North 78°27'42" West, 198.70 feet;
- 150) North 76°39'58" West, 364.83 feet;
- 151) North 71°59'37" West, 336.25 feet;
- 152) North 68°18'13" West, 128.90 feet;
- 153) North 21°52'08" West, 545.50 feet;
- 154) North 7°17'42" West, 303.98 feet;
- 155) North 12°43'59" West, 209.97 feet;
- 156) North 16°08'19" West, 337.65 feet;
- 157) North 11°08'09" West, 391.86 feet;
- 158) North 26°38'12" West, 339.79 feet;
- 159) North 31°15'07" West, 979.33 feet;
- 160) North 35°00'27" West, 1297.65 feet;
- 161) North 43°38'48" West, 955.74 feet;
- 162) North 49°28'38" West, 934.43 feet;
- 163) North 69°44'35" West, 486.56 feet;
- 164) North 74°48'20" West, 302.81 feet;
- 165) North 88°06'30" West, 109.24 feet;
- 166) North 75°49'41" West, 97.12 feet;
- 167) North 78°34'42" West, 267.19 feet, leaving said southerly bank; thence North 88°14'47" East, 2,188.42 feet to a point on the Oil and Gas Lease line of the Northerly bank of said Slough, said point having California Coordinates X=2,009,778.169 feet Y=162,135.744 feet, Zone 2, NAD27; thence along said northerly bank the following courses:
- 168) South 41°25'29" East, 1424.68 feet;
- 169) South 19°30'21" East, 90.24 feet;
- 170) South 53°12'26" East, 75.13 feet;
- 171) North 71°32'42" East, 63.38 feet;
- 172) North 71°32'46" East, 31.69 feet;

- 173) South 0°02'28" East, 25.02 feet;
- 174) South 57°31'11" West, 65.31 feet;
- 175) South 66°01'21" West, 49.34 feet;
- 176) South 10°16'34" West, 55.96 feet;
- 177) South 52°12'09" East, 57.11 feet;
- 178) South 16°45'41" East, 52.26 feet;
- 179) South 38°04'36" East, 203.33 feet;
- 180) South 14°05'43" East, 61.91 feet;
- 181) South 46°07'14" East, 194.80 feet;
- 182) South 3°03'32" East, 95.22 feet;
- 183) South 56°23'08" East, 72.24 feet;
- 184) South 18°29'57" East, 31.66 feet;
- 185) South 46°02'01" East, 77.65 feet;
- 186) South 28°08'41" East, 85.10 feet;
- 187) South 61°01'06" East, 51.58 feet;
- 188) South 38°14'07" East, 267.45 feet;
- 189) South 18°24'58" West, 31.66 feet;
- 190) South 35°10'22" East, 226.42 feet;
- 191) South 18°29'56" East, 63.31 feet;
- 192) South 54°02'59" East, 68.13 feet;
- 193) South 10°21'37" East, 55.96 feet;
- 194) South 33°21'02" East, 191.63 feet;
- 195) South 4°48'42" East, 60.27 feet;
- 196) South 60°19'50" East, 40.39 feet;
- 197) South 22°41'17" East, 65.07 feet;
- 198) South 14°05'43" East, 61.91 feet;
- 199) South 3°51'41" East, 112.86 feet;
- 200) South 45°04'44" East, 67.28 feet;
- 201) South 21°06'17" East, 69.72 feet;
- 202) South 31°02'18" East, 58.38 feet;
- 203) South 0°02'32" East, 88.27 feet;
- 204) South 65°37'34" East, 77.05 feet;
- 205) South 4°48'42" East, 60.27 feet;
- 206) South 53°12'28" East, 50.09 feet;
- 207) South 26°38'08" East, 44.77 feet;
- 208) South 39°37'23" East, 64.34 feet;
- 209) South 10°40'32" East, 81.47 feet;
- 210) South 38°44'15" East, 64.12 feet;
- 211) South 8°47'58" East, 84.28 feet;
- 212) South 29°19'21" East, 168.44 feet;
- 213) South 24°30'50" East, 60.49 feet;
- 214) South 5°09'34" West, 71.59 feet;
- 215) South 39°53'00" East, 57.06 feet;
- 216) South 20°37'22" East, 42.77 feet;
- 217) South 0°02'31" East, 45.04 feet;
- 218) South 38°44'16" East, 64.12 feet;

- 219) South 36°56'50" East, 75.10 feet;
- 220) South 5°45'36" East, 50.30 feet;
- 221) South 12°30'08" West, 46.14 feet;
- 222) South 0°02'31" East, 45.04 feet;
- 223) South 77°31'45" East, 46.20 feet;
- 224) South 69°30'35" East, 42.81 feet;
- 225) South 20°37'22" East, 42.77 feet;
- 226) South 14°00'42" West, 41.27 feet;
- 227) South 41°10'48" West, 70.97 feet;
- 228) South 45°04'44" East, 87.35 feet;
- 229) South 0°02'31" East, 75.07 feet;
- 230) South 26°38'12" East, 89.54 feet;
- 231) South 33°45'58" East, 90.26 feet;
- 232) South 50°21'10" East, 113.13 feet;
- 233) South 35°15'11" East, 89.49 feet;
- 234) South 45°02'17" East, 139.91 feet;
- 235) South 39°30'33" East, 94.72 feet;
- 236) South 65°47'19" East, 80.11 feet;
- 237) South 62°36'21" East, 143.18 feet;
- 238) South 77°51'25" East, 189.69 feet;
- 239) South 84°45'31" East, 271.76 feet;
- 240) North 75°56'20" East, 103.30 feet;
- 241) North 88°39'28" East, 220.55 feet;
- 242) North 78°16'59" East, 148.39 feet;
- 243) North 84°40'29" East, 271.76 feet;
- 244) North 73°28'25" East, 141.10 feet;
- 245) North 80°48'26" East, 157.35 feet;
- 246) North 72°19'05" East, 198.14 feet;
- 247) North 67°06'38" East, 348.02 feet;
- 248) North 60°56'04" East, 154.73 feet;
- 249) North 40°35'47" East, 92.33 feet;
- 250) North 52°31'02" East, 189.34 feet;
- 251) North 73°43'02" East, 125.27 feet;
- 252) South 81°04'49" East, 96.39 feet;
- 253) South 64°36'28" East, 116.53 feet;
- 254) South 68°15'57" East, 161.89 feet;
- 255) South 87°19'08" East, 105.35 feet;
- 256) South 77°20'01" East, 159.25 feet;
- 257) South 70°16'00" East, 266.26 feet;
- 258) South 49°13'24" East, 245.00 feet;
- 259) South 35°17'39" East, 104.19 feet;
- 260) South 40°31'02" East, 275.14 feet;
- 261) South 27°22'18" East, 349.28 feet;
- 262) South 7°38'46" East, 75.74 feet;
- 263) South 17°35'21" East, 99.73 feet;
- 264) South 9°08'37" East, 126.71 feet;

- 265) South 19°43'09" East, 74.41 feet;
- 266) South 9°30'59" East, 152.22 feet;
- 267) South 13°33'17" East, 128.68 feet;
- 268) South 10°32'49" East, 137.43 feet;
- 269) South 4°37'18" East, 125.52 feet;
- 270) South 6°34'13" East, 176.31 feet;
- 271) South 8°42'56" West, 65.83 feet;
- 272) South 11°16'54" West, 51.04 feet;
- 273) South 24°25'46" West, 60.49 feet;
- 274) South 12°35'10" East, 46.14 feet;
- 275) South 16°26'25" West, 51.82 feet;
- 276) South 2°27'03" West, 115.22 feet;
- 277) South 21°52'06" East, 53.91 feet;
- 278) South 3°46'34" West, 75.24 feet;
- 279) South 32°04'46" East, 47.23 feet;
- 280) South 6°40'33" West, 85.67 feet;
- 281) South 14°05'43" East, 61.91 feet;
- 282) South 1°46'49" East, 165.23 feet;
- 283) South 7°54'18" East, 146.51 feet;
- 284) South 4°56'01" West, 115.54 feet;
- 285) South 3°51'39" East, 225.71 feet;
- 286) South 9°50'10" West, 116.84 feet;
- 287) South 7°49'01" East, 111.13 feet;
- 288) South 13°03'12" East, 133.55 feet;
- 289) South 60°00'19" East, 109.98 feet;
- 290) South 86°28'13" East, 80.33 feet;
- 291) North 72°56'27" East, 324.92 feet;
- 292) North 78°39'45" East, 76.65 feet;
- 293) North 59°01'35" East, 87.63 feet;
- 294) South 86°40'48" East, 85.34 feet;
- 295) North 70°19'41" East, 74.48 feet;
- 296) North 58°22'58" East, 76.46 feet;
- 297) North 81°21'11" East, 167.25 feet;
- 298) North 72°27'12" East, 99.83 feet;
- 299) North 63°25'22" East, 78.42 feet;
- 300) North 50°11'19" East, 78.24 feet;
- 301) North 75°56'21" East, 61.98 feet;
- 302) North 55°59'44" East, 259.80 feet;
- 303) North 44°59'43" East, 84.99 feet;
- 304) North 61°22'41" East, 62.77 feet;
- 305) North 32°43'36" East, 83.33 feet;
- 306) North 39°47'59" East, 234.65 feet;
- 307) North 38°09'04" East, 178.30 feet;
- 308) North 45°30'00" East, 103.99 feet;
- 309) North 54°15'27" East, 506.00 feet;
- 310) North 72°37'30" East, 83.99 feet;

- 311) North 58°23'00" East, 76.46 feet;
- 312) North 54°17'10" East, 197.39 feet;
- 313) North 44°59'42" East, 120.40 feet;
- 314) North 73°08'05" East, 570.64 feet;
- 315) North 84°31'28" East, 211.42 feet;
- 316) North 66°47'11" East, 190.78 feet;
- 317) North 70°38'46" East, 302.66 feet;
- 318) North 78°27'31" East, 276.14 feet;
- 319) North 80°41'49" East, 248.79 feet;
- 320) North 72°45'38" East, 145.19 feet;
- 321) North 87°37'25" East, 245.75 feet;
- 322) South 89°27'08" East, 486.11 feet;
- 323) North 89°57'29" East, 325.72 feet;
- 324) South 86°55'26" East, 276.02 feet;
- 325) North 89°05'28" East, 330.77 feet;
- 326) South 86°28'14" East, 241.00 feet;
- 327) South 77°51'24" East, 189.69 feet;
- 328) South 78°10'05" East, 97.29 feet;
- 329) South 75°19'01" East, 98.44 feet;
- 330) North 83°15'24" East, 85.78 feet;
- 331) South 65°50'30" East, 109.88 feet;
- 332) North 89°57'28" East, 65.14 feet;
- 333) South 66°18'47" East, 119.52 feet;
- 334) South 62°31'12" East, 129.96 feet;
- 335) South 81°55'20" East, 70.87 feet;
- 336) South 45°04'44" East, 70.82 feet;
- 337) North 89°57'33" East, 35.08 feet;
- 338) South 66°52'13" East, 152.62 feet;
- 339) South 63°30'24" East, 145.63 feet;
- 340) South 68°01'53" East, 227.01 feet;
- 341) South 62°49'00" East, 185.97 feet;
- 342) South 69°30'37" East, 214.04 feet;
- 343) South 59°43'51" East, 237.99 feet;
- 344) South 48°15'31" East, 255.37 feet;
- 345) South 39°33'02" East, 220.55 feet;
- 346) South 34°45'56" East, 284.30 feet;
- 347) South 18°05'53" East, 226.35 feet;
- 348) South 24°30'49" East, 302.43 feet;
- 349) South 33°18'27" East, 173.58 feet;
- 350) South 52°25'48" East, 221.41 feet;
- 351) South 86°28'13" East, 80.33 feet;
- 352) South 60°05'33" East, 150.37 feet;
- 353) South 87°45'15" East, 125.38 feet;
- 354) South 69°41'23" East, 187.07 feet;
- 355) South 46°55'34" East, 109.84 feet;
- 356) South 68°36'54" East, 455.84 feet;

- 357) South 67°46'56" East, 330.29 feet;
- 358) South 77°53'09" East, 261.43 feet;
- 359) South 79°33'50" East, 275.19 feet;
- 360) South 87°39'33" East, 240.74 feet;
- 361) North 73°28'25" East, 141.10 feet;
- 362) North 49°10'46" East, 145.59 feet;
- 363) North 51°32'24" East, 217.46 feet;
- 364) North 40°21'32" East, 262.88 feet;
- 365) North 68°10'54" East, 53.96 feet;
- 366) North 53°07'25" East, 250.44 feet;
- 367) North 60°56'04" East, 257.89 feet;
- 368) North 56°30'38" East, 392.31 feet;
- 369) North 68°32'07" East, 536.40 feet;
- 370) North 68°10'55" East, 672.14 feet;
- 371) North 67°06'27" East, 328.24 feet;
- 372) North 58°46'20" East, 203.39 feet;
- 373) North 75°33'17" East, 190.53 feet;
- 374) North 86°01'05" East, 153.27 feet;
- 375) North 88°06'45" East, 163.53 feet;
- 376) North 83°26'47" East, 185.74 feet;
- 377) North 64°20'45" East, 146.18 feet;
- 378) North 41°30'38" East, 144.21 feet; leaving said northerly bank; thence South 23°28'58" East, 489.63 feet; thence South 18°10'39" West, 121.48' to the POINT OF BEGINNING.

EXCEPTING THEREFROM any portion thereof that lies above the ordinary high water mark of Roaring River slough situated within those lands patented by the State of California for Swamp and Overflowed Land Survey Nos. 254, 255, 256, 257, 258, 259, 260, 261, 296, 298, 301, 302, 303, 304, 366, 370, 371, 377, 378, 380, 381 and 667.

EXCEPTING THEREFROM any portion thereof that lies above the ordinary low water mark of Roaring River slough situated within those lands patented by the State of California for Tide Land Survey No. 31-A (also known as Tide Land Location No. 33, Solano County).

Containing 361.3 Acres more or less.

Parcel 3 Howard Slough

All the tide and submerged lands in the bed of Howard Slough, Solano County, California, lying in Sections 13, 14, 23 and 24, Township 3 North, Range 1 West, Mount Diablo Meridian, more particularly described as follows:

COMMENCING at Control Point CATTLE, said point having California Coordinates X=3,041,076.61 feet Y=154,103.88 feet, Zone 2, NAD 27;

thence North 86°30'18" West, a distance of 20,415.19 feet to the POINT OF BEGINNING on the Oil and Gas Lease line southerly bank of Grizzly Slough, said point having California Coordinates X=2,020,699.388 feet Y=155,348.439 feet, Zone 2, NAD 27; Thence along the Oil and Gas Lease line of said slough, the following sixty (60) courses

- 1) North 75°13'14" West, 99.79 feet;
- 2) North 55°05'01" West, 82.71 feet;
- 3) North 30°43'30" West, 69.84 feet;
- 4) North 33°18'27" West, 77.16 feet;
- 5) North 70°19'07" West, 184.57 feet;
- 6) South 89°57'29" West, 224.97 feet;
- 7) South 71°32'43" West, 84.51 feet;
- 8) South 72°09'37" West, 65.50 feet;
- 9) South 77°07'35" West, 130.22 feet;
- 10) North 54°52'21" West, 35.59 feet;
- 11) North 76°01'23" West, 27.55 feet;
- 12) North 60°42'56" West, 81.76 feet;
- 13) North 02°32'05" West, 51.21 feet;
- 14) North 55°05'06" West, 27.18 feet;
- 15) North 28°57'36" West, 73.70 feet;
- 16) North 08°23'45" East 121.44 feet;
- 17) North 32°57'39" East 98.15 feet;
- 18) North 55°05'24" East 116.74 feet;
- 19) North 58°26'22" East 148.94 feet;
- 20) North 36°27'45" East 127.31 feet;
- 21) North 09°00'25" West, 87.49 feet;
- 22) North 18°59'22" West, 82.32 feet;
- 23) North 27°49'5" West, 47.78 feet;
- 24) North 53°30'15" West, 85.94 feet;
- 25) North 36°56'51" West, 44.51 feet;
- 26) North 38°22'05" West, 107.76 feet;
- 27) North 07°23'57" East, 51.60 feet;
- 28) North 59°55'17" East 48.89 feet;
- 29) North 81°50'17" East 47.25 feet;
- 30) North 85°02'14" East 129.67 feet;
- 31) North 59°36'40" East 74.85 feet;
- 32) North 28°03'39" East 75.66 feet;
- 33) North 01°48'30" East 69.00 feet;
- 34) North 31°30'16" West, 46.94 feet;
- 35) North 59°06'39" West, 64.92 feet;
- 36) North 19°47'11" West, 44.48 feet;
- 37) North 38°44'16" West, 84.81 feet;
- 38) South 00°02'31" East, 39.71 feet;
- 39) South 18°29'57" East, 104.67 feet;
- 40) South 67°26'54" East, 86.14 feet;
- 41) South 17°19'59" West, 110.97 feet;

- 42) South 60°14'42" West, 53.42 feet;
- 43) South 77°52'42" West, 189.77 feet;
- 44) South 52°07'07" West, 75.53 feet;
- 45) South 08°10'57" East, 140.41 feet;
- 46) South 46°32'52" East, 182.72 feet;
- 47) South 11°21'58" East, 168.76 feet;
- 48) South 30°14'47" West, 91.98 feet;
- 49) South 60°44'26" West, 189.84 feet;
- 50) South 54°09'19" West, 147.09 feet;
- 51) South 11°16'56" West, 168.76 feet;
- 52) South 15°35'07" East, 123.67 feet;
- 53) South 31°02'18" East, 154.43 feet;
- 54) South 71°37'45" East, 188.60 feet;
- 55) North 78°39'44" East, 101.38 feet;
- 56) North 78°17'00" East, 196.26 feet;
- 57) South 87°19'10" East, 139.34 feet;
- 58) South 37°57'09" East, 75.51 feet;
- 59) South 20°32'18" West, 113.12 feet;
- 60) South 34°53'11" West, 188.73 feet; thence leaving said bank of Howard Slough, North 73°08'05" East, 568.36 feet to the POINT OF BEGINNING;

EXCEPTING THEREFROM any portion thereof that lies below the ordinary high water mark of Howard slough situated within those lands patented by the State of California for Swamp and Overflowed Land Survey Nos. 257 and 258.

Containing 5.8 Acres more or less

Parcel 4 Montezuma Slough -North Portion

That portion of the tide and submerged lands in the bed of Montezuma Slough, Solano County, California, lying in Sections 1 and 12, Township 3 North, Range 1 West and lying in projected Sections 5, 6, 7, 8, 17, 18, 20, and 29, Township 3 North, Range 1 East., and lying in projected Section 31, Township 4 North, Range 1 East., Mount Diablo Meridian and more particularly described as follows:

COMMENCING at NGS Control Station CATTLE, said point having California Coordinates X=3,041,076.61 feet Y=154103.88 feet, Zone 2, NAD 27; South 55°22'48" West, 8,460.02 feet to the POINT OF BEGINNING on the Oil and Gas Lease line on the Westerly bank of Montezuma Slough, said point having California Coordinates X=2,031,052.429 feet Y=165,862.703 feet, Zone 2, NAD 27; thence along said line the following courses:

- 1) South 88°48'30" West, 41.54 feet;
- 2) South 83°17'56" West, 373.61 feet;
- 3) South 90°00'00" West, 296.84 feet;
- 4) South 71°30'10" West, 140.97 feet;
- 5) North 82°04'29" West, 103.03 feet;
- 6) South 65°31'54" West, 174.00 feet;
- 7) North 75°43'57" West, 97.84 feet;
- 8) North 74°45'48" West, 149.30 feet;
- 9) South 72°12'08" West, 128.37 feet;
- 10) South 50°44'55" West, 124.02 feet;
- 11) South 88°09'17" West, 135.40 feet;
- 12) South 80°17'03" West, 153.38 feet;
- 13) South 84°26'51" West, 145.44 feet;
- 14) South 82°53'39" West, 150.42 feet;
- 15) South 50°58'45" West, 209.08 feet;
- 16) South 39°18'16" West, 99.58 feet;
- 17) South 23°01'19" West, 68.85 feet;
- 18) South 42°01'04" West, 195.28 feet;
- 19) South 25°10'49" West, 87.91 feet;
- 20) South 40°53'17" West, 185.89 feet;
- 21) South 38°45'35" West, 151.12 feet;
- 22) South 9°49'03" West, 78.02 feet;
- 23) North 67°01'54" West, 103.37 feet;
- 24) South 88°09'44" West, 158.44 feet;
- 25) South 74°06'25" West, 150.41 feet;
- 26) South 46°22'53" West, 118.36 feet;
- 27) North 77°41'26" West, 41.72 feet;
- 28) South 87°24'49" West, 108.70 feet;
- 29) South 53°59'38" West, 200.86 feet;
- 30) South 63°58'51" West, 321.72 feet;
- 31) South 79°22'20" West, 174.84 feet;
- 32) North 85°31'25" West, 276.96 feet;
- 33) North 72°40'48" West, 259.18 feet;
- 34) North 60°49'40" West, 571.21 feet;
- 35) North 56°03'06" West, 579.62 feet;
- 36) North 50°22'21" West, 536.23 feet;
- 37) North 36°24'13" West, 154.65 feet;
- 38) North 36°33'56" West, 190.81 feet;
- 39) North 69°40'19" West, 38.66 feet;
- 40) North 35°37'07" West, 382.63 feet;
- 41) North 25°25'59" West, 339.72 feet;
- 42) North 12°16'33" West, 304.05 feet;
- 43) North 8°36'25" West, 557.34 feet;
- 44) North 22°01'50" West, 97.37 feet;
- 45) North 0°12'13" West, 90.39 feet;

- 46) North 4°01'21" West, 475.58 feet;
- 47) North 7°40'11" East, 98.77 feet;
- 48) North 10°15'19" East, 822.62 feet;
- 49) North 11°06'53" East, 738.31 feet;
- 50) North 42°13'40" West, 60.84 feet;
- 51) North 11°07'15" East, 23.05 feet;
- 52) North 44°50'01" East, 70.35 feet;
- 53) North 21°04'19" East, 87.30 feet;
- 54) North 7°37'18" East, 232.65 feet;
- 55) North 7°13'05" East, 631.00 feet;
- 56) North 7°05'41" East, 391.84 feet;
- 57) North 15°57'33" East, 561.15 feet;
- 58) North 25°12'39" East, 276.36 feet;
- 59) North 39°49'59" East, 421.88 feet;
- 60) North 42°17'32" East, 334.10 feet;
- 61) North 30°56'52" East, 252.53 feet;
- 62) North 34°59'28" East, 205.38 feet;
- 63) North 18°39'57" East, 175.42 feet;
- 64) North 0°16'35" West, 239.59 feet;
- 65) North 6°41'05" West, 164.79 feet;
- 66) North 7°01'56" West, 138.91 feet to a point having California
Coordinates X=202,5798.132 feet Y=173,375.568 feet, Zone 2, NAD
27; leaving said westerly bank; thence North 88°05'06" East, 622.51
feet to a point on the Oil and Gas Lease Line on the easterly bank of
said slough, thence along said line the following courses:
- 67) South 28°29'00" West, 93.39 feet;
- 68) South 34°56'17" East, 109.06 feet;
- 69) South 13°27'56" East, 196.68 feet;
- 70) South 1°43'54" West, 81.97 feet;
- 71) South 24°28'22" East, 194.35 feet;
- 72) South 8°27'55" West, 374.86 feet;
- 73) South 11°05'45" West, 237.00 feet;
- 74) South 43°00'09" West, 126.61 feet;
- 75) South 2°10'34" West, 96.04 feet;
- 76) South 26°18'37" West, 172.55 feet;
- 77) South 23°37'15" West, 442.58 feet;
- 78) South 2°41'47" East, 203.80 feet;
- 79) South 25°00'27" East, 126.78 feet;
- 80) South 4°01'22" East, 133.08 feet;
- 81) South 10°42'25" West, 72.07 feet;
- 82) South 49°42'16" West, 130.13 feet;
- 83) South 43°23'22" West, 380.63 feet;
- 84) South 37°14'15" West, 193.53 feet;
- 85) South 41°52'56" West, 310.57 feet;
- 86) South 27°10'35" West, 147.59 feet;
- 87) South 6°55'51" West, 145.75 feet;

- 88) South 8°53'53" West, 114.42 feet;
- 89) South 23°51'37" East, 78.94 feet;
- 90) South 21°04'19" West, 87.30 feet
- 91) ; South 8°20'38" East, 63.91 feet;
- 92) South 12°54'54" West, 101.54 feet;
- 93) South 12°48'26" West, 120.60 feet;
- 94) South 16°16'36" West, 207.37 feet;
- 95) South 5°14'37" West, 95.34 feet;
- 96) South 21°55'54" West, 156.12 feet;
- 97) South 10°41'44" West, 119.66 feet;
- 98) South 25°32'07" West, 135.46 feet;
- 99) South 10°14'50" West, 174.63 feet;
- 100) South 11°46'05" West, 392.68 feet;
- 101) South 7°09'56" West, 248.27 feet;
- 102) South 2°53'26" West, 590.79 feet;
- 103) South 2°24'32" East, 352.77 feet;
- 104) South 11°10'17" East, 285.41 feet;
- 105) South 23°00'43" East, 245.13 feet;
- 106) South 33°29'04" East, 226.26 feet;
- 107) South 38°39'27" East, 334.72 feet;
- 108) South 46°50'47" East, 342.30 feet;
- 109) South 48°11'03" East, 560.37 feet;
- 110) South 57°35'10" East, 553.36 feet;
- 111) South 67°38'35" East, 248.54 feet;
- 112) South 85°38'08" East, 226.98 feet;
- 113) North 68°01'15" East, 121.82 feet;
- 114) North 63°15'39" East, 505.80 feet;
- 115) North 52°03'23" East, 228.89 feet;
- 116) North 66°19'29" East, 113.47 feet;
- 117) North 61°55'47" East, 261.05 feet;
- 118) North 49°46'19" East, 260.01 feet;
- 119) North 37°46'33" East, 318.29 feet;
- 120) North 34°54'18" East, 259.65 feet;
- 121) North 29°45'35" East, 516.44 feet;
- 122) North 34°07'04" East, 120.39 feet;
- 123) North 54°17'36" East, 38.91 feet;
- 124) North 42°45'09" East, 127.23 feet;
- 125) North 60°58'39" East, 212.78 feet;
- 126) North 67°24'25" East, 201.53 feet;
- 127) North 72°40'02" East, 173.26 feet;
- 128) North 78°19'34" East, 153.05 feet;
- 129) North 80°32'58" East, 157.18 feet;
- 130) North 83°59'56" East, 197.48 feet;
- 131) North 79°13'45" East, 110.48 feet;
- 132) South 86°59'28" East, 98.34 feet;
- 133) South 83°56'08" East, 244.28 feet;

- 134) South 76°22'01" East, 372.28 feet;
- 135) South 66°49'42" East, 83.34 feet, leaving said easterly bank; thence South 00°00'39" East, 1131.48' to the POINT OF BEGINNING.

Containing 270.1 Acres more or less

EXCEPTING THEREFROM any portion thereof that lies above the ordinary high water mark of Montezuma slough situated within those lands patented by the State of California for Swamp and Overflowed Land Survey Nos. 63, 64, and 564.

Parcel 5 Montezuma Slough-South Portion (West of Collinsville Agreed Line)

All the tide and submerged lands in the bed of Montezuma Slough, Solano County, California, lying in projected Sections 1 and 12, Township 3 North, Range 1 West and lying in projected Sections 5, 6, 7, 8, 17, 18, 20, and 29, Township 3 North, Range 1 East, and lying in Section 31, Township 4 North, Range 1 East, Mount Diablo Meridian, more particularly described as follows:

COMMENCING at NGS Control Station CATTLE, said point having California Coordinates X=3,041,076.61 feet Y=154,103.88 feet, Zone 2, NAD 27; thence South 55°22'48" West, 8,460.02 feet to the POINT OF BEGINNING, said point being the northerly terminus of Course T135 "North 39°28'01" West, 183.18 feet" of the Agreed Ordinary High Water Mark of the easterly bank of Montezuma Slough as shown on that certain map filed in Book 21 of Records of Survey at Pages 3 to 10, Solano County Records, and having California Coordinates X=2,034,114.531 feet Y=149,297.493 feet, Zone 2, NAD 27; thence along said Agreed Ordinary High Water Mark the following courses:

- 1) North 35°28'01" West, 35.73 feet;
- 2) North 41°00'59" West, 232.07 feet;
- 3) North 27°10'01" West, 76.66 feet;
- 4) North 39°15'59" West, 122.45 feet;
- 5) North 32°31'14" West, 168.53 feet;
- 6) North 34°56'02" West, 145.64 feet;
- 7) North 30°31'13" West, 106.33 feet;
- 8) North 25°34'46" West, 332.82 feet;
- 9) North 16°41'21" West, 216.94 feet;
- 10) North 0°31'35" East, 206.81 feet;
- 11) North 4°24'51" East, 57.17 feet;
- 12) North 15°22'45" East, 137.63 feet;
- 13) North 29°30'43" East, 354.04 feet;
- 14) North 32°15'18" East, 132.80 feet;
- 15) North 28°18'21" East, 76.55 feet;
- 16) North 31°26'59" East, 271.01 feet;

- 17) North 19°10'08" East, 120.90 feet;
- 18) North 41°47'52" East, 60.76 feet;
- 19) North 29°35'33" East, 93.15 feet;
- 20) North 21°54'00" East, 97.32 feet;
- 21) North 35°30'23" East, 64.74 feet;
- 22) North 24°32'03" East, 383.64 feet;
- 23) North 14°50'45" East, 133.87 feet;
- 24) North 10°13'35" East, 104.76 feet;
- 25) North 0°09'54" West, 139.00 feet;
- 26) North 7°20'11" West, 410.36 feet;
- 27) North 16°03'05" West, 111.03 feet;
- 28) North 1°01'18" East, 72.91 feet;
- 29) North 8°23'23" West, 40.43 feet;
- 30) North 15°49'00" West, 110.07 feet;
- 31) North 27°58'39" West, 78.02 feet;
- 32) North 23°36'57" West, 285.07 feet;
- 33) North 31°02'43" West, 204.38 feet;
- 34) North 27°11'13" West, 374.92 feet;
- 35) North 33°56'05" West, 181.64 feet;
- 36) North 34°27'00" West, 110.84 feet;
- 37) North 25°24'10" West, 174.14 feet;
- 38) North 20°30'13" West, 89.36 feet;
- 39) North 23°41'40" West, 160.75 feet;
- 40) North 27°09'33" West, 219.95 feet;
- 41) North 30°13'34" West, 227.65 feet;
- 42) North 37°09'06" West, 81.30 feet;
- 43) North 39°09'33" West, 123.68 feet;
- 44) North 38°53'11" West, 79.01 feet;
- 45) North 48°48'29" West, 92.62 feet;
- 46) North 53°30'51" West, 158.08 feet;
- 47) North 49°57'51" West, 439.63 feet;
- 48) North 52°42'21" West, 243.11 feet;
- 49) North 59°21'13" West, 167.15 feet;
- 50) North 65°19'20" West, 152.09 feet;
- 51) North 64°18'33" West, 158.24 feet;
- 52) North 69°42'33" West, 364.20 feet;
- 53) North 81°25'57" West, 107.40 feet;
- 54) North 70°43'56" West, 97.88 feet;
- 55) North 77°07'08" West, 102.27 feet;
- 56) North 80°36'45" West, 163.69 feet;
- 57) North 74°49'33" West, 136.77 feet;
- 58) North 67°00'15" West, 92.66 feet;
- 59) North 70°29'48" West, 130.59 feet;
- 60) North 70°36'32" West, 130.72 feet;
- 61) North 44°10'17" West, 117.39 feet;
- 62) North 27°49'22" West, 91.70 feet;

- 63) North 23°13'49" West, 92.98 feet;
- 64) North 1°06'37" East, 89.84 feet;
- 65) North 11°00'37" East, 152.54 feet;
- 66) North 29°31'44" East, 118.49 feet;
- 67) North 26°16'07" East, 69.14 feet;
- 68) North 28°54'37" East, 208.71 feet;
- 69) North 33°44'11" East, 342.47 feet;
- 70) North 41°10'33" East, 215.23 feet;
- 71) North 49°10'51" East, 282.25 feet;
- 72) North 51°39'08" East, 401.65 feet;
- 73) North 47°12'56" East, 60.36 feet;
- 74) North 52°08'05" East, 257.90 feet;
- 75) North 48°58'15" East, 168.48 feet;
- 76) North 41°28'09" East, 194.04 feet;
- 77) North 31°47'44" East, 442.98 feet;
- 78) North 18°02'16" East, 177.95 feet;
- 79) North 8°11'45" East, 98.20 feet;
- 80) North 9°04'20" West, 125.57 feet;
- 81) North 41°24'51" East, 52.00 feet;
- 82) North 13°53'38" East, 97.45 feet;
- 83) North 0°42'36" East, 104.91 feet;
- 84) North 8°22'17" West, 154.55 feet;
- 85) North 1°39'37" West, 151.86 feet;
- 86) North 12°57'55" East, 115.44 feet;
- 87) North 1°47'27" West, 54.43 feet;
- 88) North 9°50'21" West, 137.52 feet;
- 89) North 14°23'08" West, 139.27 feet;
- 90) North 12°05'48" West, 185.62 feet;
- 91) North 3°59'32" West, 135.03 feet;
- 92) North 7°39'13" West, 69.82 feet;
- 93) North 25°47'14" West, 69.19 feet;
- 94) North 32°10'43" West, 115.67 feet;
- 95) North 17°49'08" West, 41.18 feet;
- 96) North 7°51'00" West, 60.77 feet;
- 97) North 14°10'45" West, 57.97 feet;
- 98) North 7°44'11" West, 133.72 feet;
- 99) North 4°20'24" West, 105.70 feet;
- 100) North 15°27'12" West, 25.52 feet;
- 101) North 7°18'24" East, 27.52 feet;
- 102) North 11°56'30" West, 361.01 feet;
- 103) North 13°29'22" West, 142.33 feet;
- 104) North 5°12'56" West, 121.00 feet;
- 105) North 16°37'33" East, 30.06 feet;
- 106) North 13°26'11" West, 67.14 feet;
- 107) North 0°46'54" East, 73.31 feet;
- 108) North 20°27'10" West, 19.74 feet;

- 109) North 25°58'50" East, 17.58 feet;
- 110) North 38°05'51" West, 15.88 feet;
- 111) North 13°04'16" East, 28.74 feet;
- 112) North 2°23'19" East, 71.96 feet;
- 113) North 5°56'43" East, 65.65 feet;
- 114) North 5°12'13" East, 229.35 feet;
- 115) North 11°38'56" East, 86.17 feet;
- 116) North 9°35'49" East, 34.79 feet;
- 117) North 9°59'39" East, 189.58 feet;
- 118) North 24°27'33" East, 59.65 feet;
- 119) North 18°34'54" East, 86.62 feet;
- 120) North 0°36'58" West, 18.60 feet;
- 121) North 7°34'32" East, 119.85 feet;
- 122) North 7°23'15" East, 51.33 feet;
- 123) North 30°55'57" East, 93.38 feet;
- 124) North 31°58'59" East, 162.93 feet;
- 125) North 15°05'31" East, 43.40 feet;
- 126) North 28°22'35" East, 41.03 feet;
- 127) North 21°01'34" East, 107.03 feet;
- 128) North 20°40'57" East, 90.32 feet;
- 129) North 24°04'57" East, 62.98 feet;
- 130) North 19°23'22" East, 144.28 feet;
- 131) North 9°45'48" East, 90.82 feet;
- 132) North 13°38'28" East, 228.55 feet;
- 133) North 10°59'16" East, 90.76 feet;
- 134) North 0°48'02" East, 64.41 feet;
- 135) North 7°34'57" East, 59.12 feet;
- 136) North 0°59'28" East, 121.42 feet;
- 137) North 1°38'42" West, 142.86 feet;
- 138) North 7°25'54" East, 106.70 feet;
- 139) North 27°43'40" East, 77.16 feet;
- 140) North 1°06'36" East, 67.11 feet;
- 141) North 17°12'33" West, 47.32 feet;
- 142) North 1°19'00" West, 235.06 feet;
- 143) North 3°20'56" East, 92.46 feet;
- 144) North 03°03'29" West, 119.97 feet;
- 145) North 7°24'15" West, 152.87 feet;
- 146) North 19°30'41" West, 164.97 feet;
- 147) North 19°51'18" West, 153.10 feet;
- 148) North 8°56'04" West, 194.46 feet;
- 149) North 8°32'42" West, 138.64 feet;
- 150) North 09°00'14" West, 104.79 feet;
- 151) North 25°40'02" West, 31.40 feet;
- 152) North 20°25'52" West, 177.04 feet;
- 153) North 27°13'58" West, 145.76 feet;
- 154) North 36°50'25" West, 115.58 feet;

- 155) North 36°18'23" West, 58.94 feet;
- 156) North 43°10'05" West, 64.17 feet;
- 157) North 42°52'04" West, 79.82 feet;
- 158) North 37°04'23" West, 56.40 feet;
- 159) North 48°23'38" West, 71.68 feet;
- 160) North 49°14'27" West, 118.55 feet;
- 161) North 54°14'16" West, 106.60 feet;
- 162) North 59°50'13" West, 229.47 feet;
- 163) North 64°52'47" West, 90.46 feet;
- 164) North 70°40'17" West, 105.44 feet;
- 165) North 74°02'50" West, 107.33 feet;
- 166) North 77°05'07" West, 96.64 feet;
- 167) North 81°50'31" West, 109.39 feet, leaving said Agreed Ordinary High Water Mark; thence South 0°00'39" East, 1,781.13 feet to a point on the Oil and Gas Lease Line of the westerly bank of said slough, said point having California Coordinates X=2,031,052.429 feet Y=165,862.703 feet, Zone 2, NAD 27;thence along said line the following courses:
- 168) North 88°48'28" East, 168.04 feet;
- 169) North 88°24'40" East, 314.42 feet;
- 170) South 77°55'15" East, 312.49 feet;
- 171) South 59°00'43" East, 121.16 feet;
- 172) South 48°48'59" East, 184.54 feet;
- 173) South 15°01'01" East, 131.55 feet;
- 174) South 7°24'03" West, 369.27 feet;
- 175) South 2°08'51" East, 480.18 feet;
- 176) South 0°12'14" East, 138.28 feet;
- 177) South 16°04'36" West, 406.74 feet;
- 178) South 21°57'28" West, 518.18 feet;
- 179) South 26°27'48" West, 396.27 feet;
- 180) South 10°32'12" West, 390.12 feet;
- 181) South 3°26'03" West, 513.47 feet;
- 182) South 10°09'43" East, 804.03 feet;
- 183) South 16°36'47" East, 144.15 feet;
- 184) South 2°35'33" East, 195.38 feet;
- 185) South 17°49'02" East, 349.90 feet;
- 186) South 8°14'58" East, 698.26 feet;
- 187) South 4°44'50" East, 514.05 feet;
- 188) South 8°58'31" East, 268.37 feet;
- 189) South 3°53'15" West, 228.33 feet;
- 190) South 42°59'08" West, 178.50 feet;
- 191) South 72°17'31" West, 324.51 feet;
- 192) South 83°53'52" West, 237.45 feet;
- 193) South 78°02'35" West, 199.65 feet;
- 194) South 63°55'56" West, 382.13 feet;
- 195) South 53°48'15" West, 332.18 feet;

- 196) South 43°11'48" West, 201.51 feet;
- 197) South 34°31'34" West, 257.33 feet;
- 198) South 26°02'52" West, 607.64 feet;
- 199) South 20°02'43" West, 329.45 feet;
- 200) South 5°17'58" West, 156.88 feet;
- 201) South 12°33'27" West, 243.17 feet;
- 202) South 0°50'28" East, 254.12 feet;
- 203) South 5°13'45" West, 75.63 feet;
- 204) South 52°04'13" East, 542.11 feet;
- 205) North 68°15'01" East, 60.84 feet;
- 206) North 68°15'00" East, 29.72 feet;
- 207) North 84°25'54" East, 280.80 feet;
- 208) South 86°04'27" East, 376.56 feet;
- 209) South 77°34'01" East, 227.24 feet;
- 210) South 72°41'57" East, 450.76 feet;
- 211) South 62°01'00" East, 420.98 feet;
- 212) South 66°07'44" East, 188.34 feet;
- 213) South 52°56'07" East, 238.82 feet;
- 214) South 44°28'39" East, 281.73 feet;
- 215) South 35°30'39" East, 454.11 feet;
- 216) South 25°09'15" East, 343.13 feet;
- 217) South 23°51'20" East, 523.14 feet;
- 218) South 17°37'21" West, 121.91 feet;
- 219) South 40°40'31" East, 525.56 feet;
- 220) South 23°58'50" East, 281.84 feet;
- 221) South 39°31'48" East, 146.70 feet;
- 222) South 25°30'37" East, 410.83 feet;
- 223) South 7°07'26" East, 342.95 feet;
- 224) South 14°42'29" West, 358.95 feet;
- 225) South 30°47'37" West, 481.41 feet;
- 226) South 22°04'18" West, 245.27 feet;
- 227) South 27°54'02" West, 175.43 feet;
- 228) South 16°30'59" West, 430.88 feet;
- 229) South 6°24'37" West, 474.97 feet;
- 230) South 9°51'26" East, 207.36 feet;
- 231) South 8°57'39" East, 271.40 feet;
- 232) South 16°10'07" East, 225.34 feet;
- 233) South 45°14'29" East, 175.19 feet;
- 234) South 10°31'19" East, 115.35 feet;
- 235) South 26°47'55" East, 230.75 feet;
- 236) South 29°35'36" East, 189.45 feet;
- 237) South 31°37'05" East, 236.12 feet;
- 238) South 49°13'19" East, 180.80 feet; leaving said westerly bank, thence
North 50°31'59" East, 244.68 feet to the POINT OF BEGINNING.

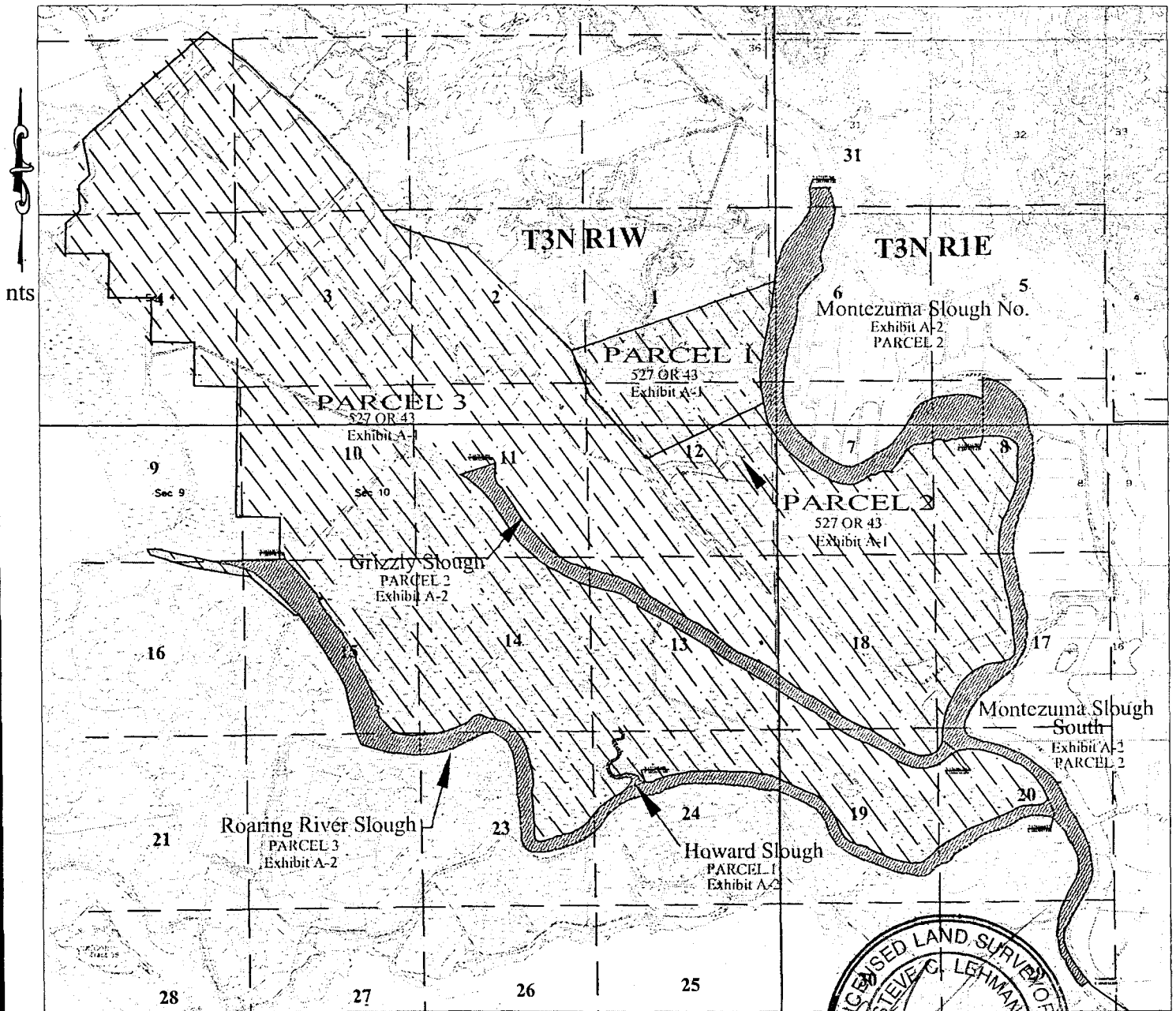
Containing 239.2 Acres more or less

EXCEPTING THEREFROM any portion thereof that lies above the ordinary high water mark of Montezuma slough situated within those lands patented by the State of California for Swamp and Overflowed Land Survey Nos. 296, 564, and 667. Also excepting those lands landward of the Agreed Ordinary High Water Mark of the easterly bank of Montezuma Slough as shown on that certain map filed in Book 21 of Records of Survey at Pages 3 to 10, Solano County Records.

The Basis of Bearings for all parcel in this description is the California Coordinate System, Zone 2, NAD 27 and calculated using NGS Control Station CATTLE, Coordinates X=3,041,076.61 feet Y=154,103.88 feet, and NGS Control Station KIRBY, Coordinates X=2,023,097.83 feet Y=182,444.10 feet. All distances are grid and in feet.

End of description

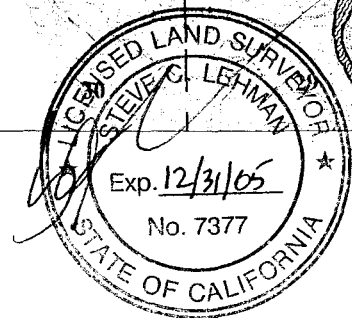




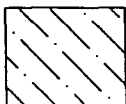
NOTE

This reduced Oil and Gas Lease Map is for exhibit purpose only, and not to be used to determine royalty due to the State. A fullsize Oil and Gas lease Map is filed at CSLC office Sacramento under WO 40834

EXHIBIT A-3

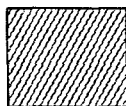


Legend



50% Mineral Interest in DFG
7796 ac±

Approx. Section Lines



100% Mineral Interest in CSLC
1054 ac±

OIL AND GAS LEASE

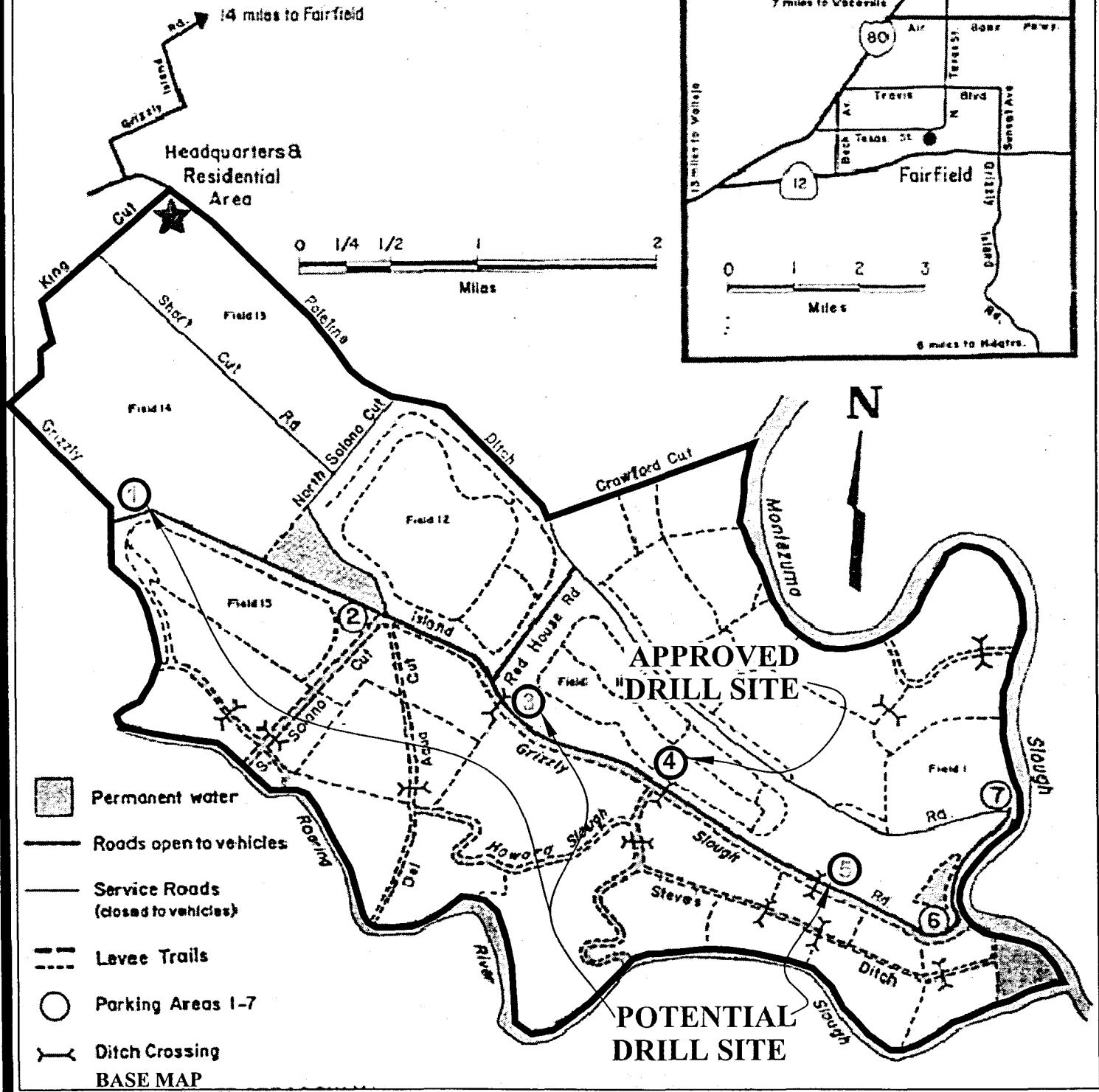
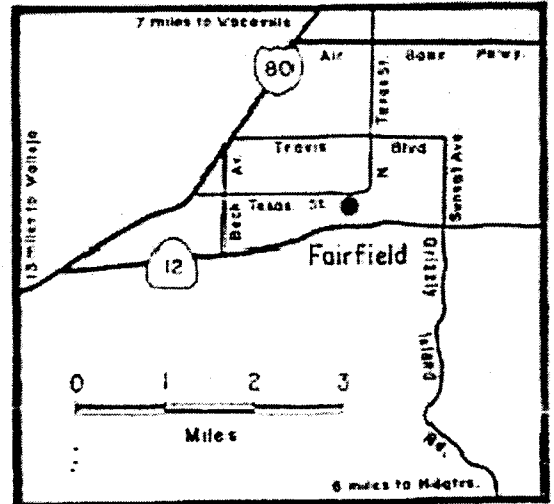
This Exhibit is solely for purposes of generally defining the lease premises, and is not intended to be, nor shall it nor shall it be construed as, a waiver or limitation of any state interest in the subject or any other property.

EXHIBIT A-3
LOCATION MAP
W 40834
OXY

OIL & GAS LEASE IN
HOWARD, MONTEZUMA &
GRIZZLY & ROARING RIVER
SLOUGHS AND

FISH & GAME
CALENDAR PARCEL 10346
HAMMOND & GRIZZLY ISLAND
SOLANO COUNTY
MINUTE PAGE

State of California
 DEPARTMENT OF FISH AND GAME
**GRIZZLY ISLAND
 WILDLIFE AREA**



- Permanent water
- Roads open to vehicles
- Service Roads (closed to vehicles)
- Levee Trails
- Parking Areas 1-7
- Ditch Crossing

BASE MAP
 PROVIDED BY DFG

OIL AND GAS LEASE

This Exhibit is solely for purposes of generally defining the lease premises, and is not intended to be, nor shall it nor shall it be construed as, a waiver or limitation of any state interest in the subject or any other property.

EXHIBIT B

COXY DAR PAGE 000347
 DRILL SITE LOCATIONS 335
 MINUTE PAGE

Exhibit C

W 40834

Mitigation Monitoring Program
(From Solano County Planning Commission,
Application No: U-01-03, July 19, 2001, pages 6-10)

MANDATORY FINDINGS

- 1. The establishment, maintenance or operation of the proposed. use is in conformity with the County General Plan with regard to traffic circulation, population densities and distribution and other aspects of the General Plan;**

Both the drilling phase and the production phase are consistent with the intent of the Marsh designation of the Solano County General Plan which allows uses that do not adversely impact the sensitive habitat of the Suisun Marsh (Marsh and Wetland Habitat, pgs. 40-44). This project is also consistent with Ch. VIII Public Facilities which permits new natural gas transmission lines as long as they minimize destruction of natural vegetation and agricultural activities (Gas Utilities, pg. 115).

- 2. Adequate utilities, access roads, drainage and other necessary facilities have been or are being provided.**

Natural gas drilling rigs produce their own electrical power. There is existing access to the site. A grading permit from BCDC will be required for the additional fill associated with the construction of the of the production pad. Potable water and temporary chemical toilets will be brought to the project site for use during the temporary drilling phase.

- 3. The subject use will not, under the circumstances of this particular case, constitute a nuisance or be detrimental to the health, safety, peace, morals, comfort or general welfare of persons residing or working in or passing through the neighborhood of such proposed use or be detrimental or injurious to property and improvements in the neighborhood or to the general welfare of the County.**

The project has been reviewed and processed in accordance with the California Environmental Quality Act (CEQA) and the County EIR Guidelines. A negative Declaration with mitigation measures was prepared and made available for public review. The Planning Commission has considered the Negative Declaration and public comments thereon prior to acting on the project and finds that the Mitigated Negative Declaration is adequate and there is no evidence that the project will have a significant impact on the environment.

SUGGESTED FINDINGS

- 4. Said Planning Commission heard testimony relative to the subject application at a duly noticed public meeting.**
- 5. The proposed project is located within the Primary Management Area of the Suisun Marsh and requires a Marsh Development Permit from the San Francisco Bay**

Exhibit C-1

CALENDAR PAGE	000348
MINUTE PAGE	000355

Conservation and Development Commission.

RECOMMENDATION

Staff recommends that the Planning Commission **ADOPT** the Negative Declaration, the mandatory and suggested findings, and **APPROVE** Use Permit Application No. U-01-03 subject to the following recommended conditions of approval.

RECOMMENDED CONDITIONS OF APPROVAL

1. The above use shall be established in accord with the plans and information submitted with Use Permit Application No. U-01-03 and approved by the Solano County Planning Commission.
2. The permittee shall take all necessary measures to prevent dust, noise, light, glare, odor and other objectionable elements from adversely affecting the surrounding area beyond acceptable limits.
3. Drilling operations will conform to the regulations of the California Division of Oil and Gas designed to prevent damage to natural resources.
4. After drilling is complete, all drilling muds, tail wastes, wastewater and other fluids will be removed from the site and disposed of in a manner that does not adversely affect other areas.
5. Measures will be taken to prevent significant pollution of groundwater, surface water or watercourses.
6. Derricks shall be removed when wells are brought into production.
7. If wells are abandoned, they shall be sealed in accordance with Division of Oil and Gas regulations, and the drilling or new production facilities shall be removed.
8. All buildings, tanks, or other facilities related to drilling or natural gas production shall be removed when the site is no longer being utilized for gas production.
9. Any change of use or intensification of use will require permit revision and further environmental review. Any deviation from the project description or requirements of the Planning Commission will subject the use permit to review and possible revocation.
10. The permittee shall obtain permits or other clearances from all agencies having Jurisdiction over the proposed project including the San Francisco Bay Conservation and Development Commission, the Division of Oil and Gas, and the US Army Corps of Engineers. The permittee shall comply with all requirements of Solano County including the Policies and Regulations Governing the Suisun Marsh.
11. All requirements of the Solano County Environmental Health Services Division shall be met including:
 - a. The permittee shall contract with a licensed sanitation company to provide and maintain a portable chemical toilet on-site for the duration of construction.

Exhibit C-2

CALENDAR PAGE	000349
MINUTE PAGE	000337

- b. If hazardous materials are stored or produced on-site, then a Hazardous Materials Management Plan shall be submitted by the permittee and approved by this division.
12. All vehicles traveling to and from the job site must be equipped with spark arrestors.
13. To reduce potential impacts on the area's biological and wetland resources to less than significant the following shall be required:
- a: Within 14 days of commencement of earth disturbing activity, a certified biologist shall conduct a pre-construction survey of the project site. The biologist shall be on-site during construction of the drilling pad and the production pad. Should threatened or endangered species be found, these areas shall be staked and avoided during all drilling, and construction activity. If these areas cannot be avoided, the applicant shall initiate consultation with the California Department of Fish & Game (DFG) and the U.S. Fish and Wildlife Service (USFWS). Construction shall not begin until the applicant, DFG and the USFWS have agreed upon avoidance measures.
- b: Prior to commencement of project activities, the applicant shall have a wetlands delineation conducted and secure all necessary permits and clearances from the U.S. Army Corps of Engineers.
- c: Sediment barrier fencing shall be erected around the project site at the marsh boundary (i.e. along the margins of the wellpad) prior to commencement of project activities to ensure that project-related materials do not enter the marsh habitat and to restrict human access to the marsh. Project area boundaries shall be clearly delineated by stakes, flagging and/or rope or cord to minimize inadvertent degradation or loss of adjacent wildlife habitats during construction. Project related vehicles shall be restricted to approved travel paths/roads and the well pad site.
- d: Any lighting required for a permanent production facility shall be of low wattage, shall be installed as low to the ground as possible (no higher than 8 feet off of the ground), and shall be installed with a shield which directs the light downward and inward toward the project site.
- e: The Occidental Petroleum project representative shall establish traffic restraints and erect signs to restrict construction-related traffic to approved access roads, construction areas, storage areas, staging and parking areas. Off-road traffic outside of designated project areas shall be prohibited. Project related vehicles shall observe a 20 mph speed limit in all project areas except on County roads and State and Federal highways. Upon termination of the drilling phase, all traffic signs shall be removed.
- f: All food-related trash items such as wrappers, cans, bottles, and food scraps generated both during construction and subsequent operation shall be disposed of in closed containers only and regularly removed from the site. Food items may attract animals onto a project site, consequently exposing such animals to increased risk of injury or mortality. No deliberate feeding of wildlife is allowed.

Exhibit C-3

CALENDAR PAGE	000350
MINUTE PAGE	000388

- g: All construction pipes, culverts, or similar structures that are stored at a construction site overnight shall be thoroughly inspected for trapped animals before the subject pipe is buried, capped, or otherwise used or moved. Pipes laid in benches overnight shall be capped. If during construction an animal is discovered inside a pipe, that section of pipe shall not be capped or buried until the animal has escaped.
- h: Hazardous materials fuels, lubricants or solvents that may accidentally spill during well drilling activities shall be cleaned up and disposed of according to applicable federal, state, and local regulations.
- i: To prevent harassment, mortality, or destruction of sensitive species and/or their habitat by domestic dogs and cats, no pets shall be permitted on-site.
- j: No drilling or production pad construction shall occur later than July 31, 2001. Should the project necessitate completion during the 2002 drilling season, drilling/construction activity shall not commence prior to April 15, 2002 and shall meet the approval of the Department of Fish and Game.

Verification: Written notice from a qualified biologist shall be submitted, showing that the site has been surveyed and no special status wildlife, breeding/nesting areas, or special status plantlife were found within the project site. If sensitive habitat or species are discovered, the applicant shall submit written notice to this Department and provide this Department with a revised map showing how the sensitive areas will be avoided. The applicant shall submit written verification showing that measure b. has been accomplished. The applicant shall submit photographs of the production facility showing that c, d, & e, are being adhered to. The applicant shall submit written verification from a qualified biologist stating measures f, g, h, & i are being met.

- 14. At no time during the life of the well shall the production facility emit a noise level in excess of 60 dBA as measured 100 feet from a compressor. A noise analysis shall be conducted at the future request of Environmental Management to confirm that the project continues to meet this requirement.

Verification: Ten years from the date of granting of the permit and if a compressor has been installed, the permittee shall submit a noise level measurement for the proposed project as measured 100 feet from a compressor.

- 15. Prior to Issuance of the use permit, the applicant shall provide the Transportation Department with security for road damages in the form of a bond to ensure against damage to public roads

Verification: The Planning Division will withhold issuance of the use permit until this requirement has been met.

- 16. If the gas well is unsuccessful or abandoned, the drill pad shall be sealed in accordance with the California Division of Oil and Gas regulations and all drilling facilities and fill shall be removed and surface area revegetated with native vegetation within one growing season after abandonment. At such time that the well no longer produces natural gas and the well is abandoned, all production equipment authorized by the use

Exhibit C-4

CALENDAR PAGE	000351
MINUTE PAGE	000359

1

permit shall be removed from the site within 60 days of the date of abandonment and the area shall be returned to a condition suitable for the regrowth of native vegetation and planted with native plants.

17. Prior to issuance of the use permit, the applicant shall designate an environmental specialist to serve as an environmental monitor during the drilling phase of the proposed project. The monitor shall be on-site 24 hours a day to ensure that all mitigation measures are adhered to. The name and contact information of the monitor shall be submitted to this Department. If, at any time, the applicant fails to adhere to the mitigation measures, the Department of Environmental Management shall be contacted immediately,
18. Prior to the importation of any fill material from outside the Suisun Marsh, excepting rock material, the permittee shall contact the Regional Water Quality Control Board (RWQCB) to determine the need for and level of containment testing necessary before importation. The permittee shall obtain the RWQCB's written concurrence that imported material from outside the Suisun Marsh is acceptable before its use.
19. The permit shall be in effect for a ten (10) year period, with the provision that an extension may be granted if said request is received prior to the expiration date of July 19, 2011, and the use shall remain the same and in compliance with the conditions of approval.

Exhibit C-5

CALENDAR PAGE	000352
MINUTE PAGE	000370