



**DEC 16 2009**

Gerardo C. Rios, Chief  
Permits Office  
Air Division  
U.S. EPA - Region IX  
75 Hawthorne St  
San Francisco, CA 94105

Re: **Notice of Minor Title V Permit Modification**  
**District Facility # S-1738**  
**Project # S-1080812**

Dear Mr. Rios:

Enclosed for you to review is an application for a minor modification to the Title V permit for Vintage Production California LLC (Vintage), facility # S-1738. Vintage is proposing to incorporate Authority to Construct (ATC) S-1738-122-10 into its Title V operating permit. ATC S-1738-122-10 authorizes the operation of an existing dormant 195 bhp natural gas fired engine at multiple unspecified locations within Vintage's Light Oil Western (Kern County) Stationary Source. The ATC did not modify the present dormant status of the engine. However, as this engine is a compliant dormant emissions unit, the Permit to Operate allows Vintage to recommence operation of the IC engine without an ATC, provided a source test is conducted with 60 days of recommencing operation.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, ATC S-1738-122-10, emission increases, application, and previous Title V permit. Please submit your written comments on this project within the 45-day comment period that begins on the date you receive this letter.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Jim Swaney at (559) 230-5900.

Sincerely,



David Warner  
Director of Permit Services

Enclosures

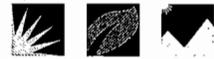
**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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**Northern Region**  
4800 Enterprise Way  
Modesto, CA 95356-8718  
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**Central Region (Main Office)**  
1990 E. Gettysburg Avenue  
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**Southern Region**  
34946 Flyover Court  
Bakersfield, CA 93308-9725  
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**DEC 16 2009**

Joey Barulich, Sr HES Advisor  
Vintage Production California LLC  
9600 Ming Ave, Ste 300  
Bakersfield, CA 93311

**Re: Notice of Minor Title V Permit Modification  
District Facility # S-1738  
Project # S-1080812**

Dear Mr. Barulich:

Enclosed is the District's analysis of your application for a minor modification to the Title V permit for Vintage Production California LLC (Vintage), facility # S-1738. You proposed to incorporate Authority to Construct (ATC) S-1738-122-10 into the Title V operating permit. ATC S-1738-122-10 authorizes the operation of an existing dormant 195 bhp natural gas fired engine at multiple unspecified locations within Vintage's Light Oil Western (Kern County) Stationary Source. The ATC did not modify the present dormant status of the engine. However, as this engine is a compliant dormant emissions unit, the Permit to Operate allows Vintage to recommence operation of the IC engine without an ATC, provided a source test is conducted with 60 days of recommencing operation.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, ATC S-1738-122-10, emission increases, application, and previous Title V permit. This project will be subject to a 45-day EPA commenting period prior to the District taking final action.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Jim Swaney at (559) 230-5900.

Sincerely,

David Warner  
Director of Permit Services

Enclosures

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Tel: 661-392-5500 FAX: 661-392-5585

# **TITLE V APPLICATION REVIEW**

Minor Modification  
Project #: S-1080812

Engineer: Brian Clerico  
Date: December 11, 2009

Facility Number: S-1738  
Facility Name: Vintage Production California LLC  
Mailing Address: 9600 Ming Ave, Suite 300  
Bakersfield, CA 93311

Contact Name: Joey Barulich  
Phone: (661) 869-8075

Responsible Official: Denny Brown  
Title: Operations Manager

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## **I. PROPOSAL**

Vintage Production California LLC (Vintage) is proposing a Minor Modification to their Title V permit by incorporating Authority to Construct (ATC) S-1738-122-10 into their Title V operating permit.

ATC S-1738-122-10 authorizes the operation of an existing dormant 195 bhp natural gas fired engine at multiple unspecified locations within Vintage's Light Oil Western (Kern County) Stationary Source. The engine is presently a compliant dormant emissions unit (DEU). The ATC did not modify the current dormancy status of the engine. However, as this engine is a compliant (DEU), the Permit to Operate allows Vintage to recommence operation of the IC engine without an ATC, provided a source test is conducted with 60 days of recommencing operation.

The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with the applicable requirements and to provide the legal and factual basis for the proposed revisions.

## II. FACILITY LOCATION

The proposed locations for the IC engine (see Attachment F) are within Vintage's Light Oil Stationary Source. The permit states the locations are "unspecified" since it would be impractical to list the section, township, range coordinates on the permit for approximately 100 locations.

## III. EQUIPMENT DESCRIPTION

S-1738-122-10: DORMANT 195 BHP WAUKESHA MODEL F-1197 NATURAL GAS-FIRED IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) POWERING AN OIL WELL PUMP (MULTIPLE UNSPECIFIED LOCATIONS WITHIN S-1738 LIGHT OIL WESTERN STATIONARY SOURCE)

## IV. SCOPE OF EPA AND PUBLIC REVIEW

This change to a Title V permit is considered to be a minor modification and, as such, requires no public review.

## V. APPLICABLE REQUIREMENTS

District Rule 2520, Federally Mandated Operating Permits (Adopted June 21, 2001)

## VI. DESCRIPTION OF PROPOSED MODIFICATIONS

Vintage is proposing a Title V minor permit modification to incorporate ATC S-1738-122-10 into their Title V operating permit.

### Notes on ATC S-1738-122-10:

Condition #5 on the ATC is a standard condition limiting the particulate matter emission rate to 0.1 grains/dscf. This condition is duplicated, except for the words "Upon recommencing operation," in condition #5 of the current PTO. The version of this condition on the current PTO will be retained.

Condition #6 on the ATC is a standard condition prohibiting visible emissions with 20% or greater opacity. This condition is already present on the facility-wide Permit to Operate S-1738-0-2, condition #22; therefore, condition #6 from the ATC will not be carried over to the modified permit to operate.

Condition #7 on the ATC is the standard nuisance prohibition condition. This condition is already present on the facility-wide permit S-1738-0-2, condition #42;

therefore, condition #7 from the ATC will not be carried over to the modified permit to operate.

The following table summarizes all the proposed changes to current PTO S-1738-122-8 as a result of implementing ATC S-1738-122-10:

Condition # on current PTO S-1738-122-8	Condition # on proposed PTO S-1738-122-12	Condition is New, Modified, or Removed	Reason for Change from Current PTO
--	1	New	Condition prohibiting the operation of this engine within 1,000 feet of a K-12 school. This condition was added to ensure compliance with the school notification requirements of the California Health & Safety Code.
--	2	New	Condition requiring permittee to notify District Compliance when moving the unit. Condition was listed as "Federally Enforceable"; however, the rule reference, District Rule 1070, <u>Inspections</u> , is not listed among the District Rules in the SIP. Therefore, the "Federally Enforceable" tag was removed from this condition.
--	3	New	Condition requiring the operator to keep a record of the location and date(s) spent at each location the engine operates.
4	7	Modified	Rule 4702 no longer requires both a time meter and a fuel meter, so this condition was modified to require only a time meter.
24	29	Modified	Condition listing the approved source test methods was modified to include the option for using other EPA approved test methods not listed with prior APCO approval. This flexibility is directly from Section 6.4 of Rule 4702.
25 and 27	33	Modified	Two Rule 4702-based recordkeeping conditions were combined into one condition.
26	34	Modified	The five year record retention requirement was modified to allow for off-site retention of records for unstaffed or remote sites.

## VII. COMPLIANCE

In accordance with Rule 2520, Section 3.20, these modifications:

1. Do not violate requirements of any applicable federally enforceable local or federal requirement;
2. Do not relax monitoring, reporting, or recordkeeping requirements in the permit and are not significant changes in existing monitoring permit terms or conditions;

3. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
4. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include:
  - a. A federally enforceable emission cap assumed to avoid classification as a modification under any provisions of Title I of the Federal Clean Air Act; and
  - b. An alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Federal Clean Air Act; and
5. Are not Title I modifications as defined in District Rule 2520 or modifications as defined in section 111 or 112 of the Federal Clean Air Act; and
6. Do not seek to consolidate overlapping applicable requirements.

In accordance with Rule 2520, the application meets the procedural requirements of section 11.4 by including:

1. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
2. The source's suggested draft permit; and
3. Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used.

## **VIII. ATTACHMENTS**

- A. Proposed Modified Title V Operating Permit
- B. Authority to Construct
- C. Emissions Increases
- D. Application
- E. Previous Title V Operating Permit
- F. Proposed Operating Locations

## Attachment A

### Proposed Modified Title V Operating Permit

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-1738-122-12

**EXPIRATION DATE:** 02/28/2009

**SECTION:** v **TOWNSHIP:** v **RANGE:** v

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF DORMANT 195 BHP WAUKESHA MODEL F-1197 NATURAL GAS-FIRED IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) POWERING AN OIL WELL PUMP (MULTIPLE UNSPECIFIED LOCATIONS WITHIN S-1738 LIGHT OIL WESTERN STATIONARY SOURCE)

## PERMIT UNIT REQUIREMENTS

1. This IC engine shall not be located within 1,000 feet of any K-12 grade school. [CH&SC 42301.6]
2. Permittee shall notify District Compliance Department of each location at which the IC engine is located in excess of 24 hours. Such notification shall be made no later than 48 hours after starting operation at the location. [District Rule 1070]
3. Operator shall maintain records of IC engine location and dates spent at each location and make such records available for District inspection upon request. [District Rule 1070]
4. When this unit is not operated (dormant for Rule 4702), the fuel supply line shall be physically disconnected from this unit. [District Rule 4702, 6.3] Federally Enforceable Through Title V Permit
5. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit if a source test has not been conducted in the past 24 months. [District Rule 4702, 6.3.2] Federally Enforceable Through Title V Permit
6. Upon 7 days written notice to the District, this engine may be designated as a dormant emission unit or an active emission unit. [District Rule 1070] Federally Enforceable Through Title V Permit
7. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 5.6.6] Federally Enforceable Through Title V Permit
8. Upon recommencing operation, particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Kern County Rule 404] Federally Enforceable Through Title V Permit
9. Upon recommencing operation, sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
10. Upon recommencing operation, unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
11. Upon recommencing operation, if the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
12. Upon recommencing operation, if the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3246, D 4468 or D 6667. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

13. Upon recommencing operation, if the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
14. Upon recommencing operation, emissions from this IC engine shall not exceed any of the following limits: 25 ppmvd NO<sub>x</sub> @ 15% O<sub>2</sub> or 0.35 g-NO<sub>x</sub>/hp-hr; 2,000 ppmvd CO @ 15% O<sub>2</sub> or 17.0 g-CO/hp-hr; or 159 ppmvd VOC @ 15% O<sub>2</sub> or 0.77 g-VOC/hp-hr. [District NSR Rule and District Rule 4702, 5.1] Federally Enforceable Through Title V Permit
15. Upon recommencing operation, permittee shall monitor and record, on a monthly basis, the catalyst inlet and outlet temperatures. [District Rule 4702, 6.5] Federally Enforceable Through Title V Permit
16. Upon recommencing operation, the acceptable catalyst temperature differential shall be established by source testing this unit or other representative units as approved by the District. The normal range/level shall be any temperature increase across the catalyst unless compliance with applicable NO<sub>x</sub> and CO emissions limits have been demonstrated through source testing at a similar temperature drop. [District Rule 4702, 6.5] Federally Enforceable Through Title V Permit
17. Upon recommencing operation, permittee shall maintain records of the date and time of temperature measurements and the measured temperatures. The records shall also include a description of any corrective action taken to maintain the temperature differential at the acceptable level. [District Rule 4702, 6.5] Federally Enforceable Through Title V Permit
18. Upon recommencing operation, if the catalyst temperature differential is outside of the normal range/level, the permittee shall notify the District and take corrective action (i.e. temperature differential returned to normal range/level) with one (1) hour of detection. If the catalyst temperature differential rate is not immediately corrected, the permittee shall conduct a source test within 60 days, to demonstrate compliance with the applicable emissions limits at the new temperature differential. [District Rule 4702, 6.5] Federally Enforceable Through Title V Permit
19. Upon recommencing operation, this engine shall be operated and maintained in proper operating condition per the manufacturer's requirements as specified on the Inspection and Monitoring (I&M) plan submitted to the District. [District Rule 4702, 6.3.3, 6.5.1, 6.5.2] Federally Enforceable Through Title V Permit
20. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee must notify the District no later than seven days after changing the I&M plan and must submit an updated I&M plan to the APCO for approval no later than 14 days after the change. The date and time of the change to the I&M plan shall be recorded in the engine's operating log. For modifications, the revised I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702, 6.5.9] Federally Enforceable Through Title V Permit
21. Upon recommencing operation, the permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every calendar quarter (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the engine unless monitoring has been performed within the last month if on a monthly monitoring schedule, or within the last quarter if on a quarterly monitoring schedule. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4702, 5.6] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

22. Upon recommencing operation, if either the NO<sub>x</sub> or CO concentrations corrected to 15% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emission concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rule 4702, 5.6] Federally Enforceable Through Title V Permit
23. Upon recommencing operation, all alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4702, 5.6] Federally Enforceable Through Title V Permit
24. Upon recommencing operation, the permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 15% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4702, 6.2.1] Federally Enforceable Through Title V Permit
25. Upon recommencing operation, source testing to measure natural gas-combustion NO<sub>x</sub>, CO, and VOC emissions from this engine shall be conducted not less than once every 24 months. [District NSR Rule and District Rule 4702, 6.3.2] Federally Enforceable Through Title V Permit
26. Upon recommencing operation, compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081] Federally Enforceable Through Title V Permit
27. Upon recommencing operation, source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
28. Upon recommencing operation, the results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
29. The following source test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100; CO (ppmv) - EPA Method 10 or ARB Method 100; VOC - EPA Method 25A or 25B, or ARB Method 100; stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. EPA approved alternative test methods may also be used to satisfy the source testing requirements of this permit with prior written approval from the APCO. [District Rule 4702, 6.4] Federally Enforceable Through Title V Permit
30. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rule 4702, 6.3.3] Federally Enforceable Through Title V Permit
31. Upon recommencing operation, this engine shall be operated within the ranges that the source testing has shown result in pollution concentrations within the emissions limits as specified on this permit. [District Rule 4702, 6.3.3] Federally Enforceable Through Title V Permit
32. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC, NO<sub>x</sub>, and CO concentrations shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702, 6.3.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

33. Upon recommencing operation, the permittee shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type and quantity (cubic feet of gas) of fuel used, maintenance (e.g. catalyst maintenance and cleaning intervals) or modifications performed, monitoring data (e.g. make and model of exhaust gas analyzer, exhaust gas analyzer calibration records), compliance source test results, and any other information necessary to demonstrate compliance. [District Rule 4702, 6.2.1] Federally Enforceable Through Title V Permit
34. The operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of at least five years. For units at unstaffed sites or operated remotely, records may be maintained and retained at a District-approved off-site location. [District Rules 2520, 9.4.2 and 4702, 6.2.2] Federally Enforceable Through Title V Permit
35. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
36. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

**Attachment B**  
**Authority to Construct**



**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT

**AUTHORITY TO CONSTRUCT**

**PERMIT NO:** S-1738-122-10

**ISSUANCE DATE:** 10/17/2007

**LEGAL OWNER OR OPERATOR:** VINTAGE PRODUCTION CALIFORNIA LLC  
**MAILING ADDRESS:** P O BOX 82576  
BAKERSFIELD, CA 93380-2576

**LOCATION:** LIGHT OIL WESTERN STATIONARY SOURCE  
CA

**SECTION:** SE25 **TOWNSHIP:** 11N **RANGE:** 21W

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF DORMANT 195 BHP WAUKESHA MODEL F-1197 NATURAL GAS-FIRED IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) POWERING AN OIL WELL PUMP (PLEITO WELL 8-25): AUTHORIZE OPERATION AT ANY LOCATION WITHIN S-1738 LIGHT OIL WESTERN STATIONARY SOURCE

**CONDITIONS**

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. This IC engine shall not be located within 1,000 feet of any K-12 grade school. [CH&SC 42301.6]
3. Permittee shall notify District Compliance Department of each location at which the IC engine is located in excess of 24 hours. Such notification shall be made no later than 48 hours after starting operation at the location. [District Rule 1070] Federally Enforceable Through Title V Permit
4. Operator shall maintain records of IC engine location and dates spent at each location and make such records available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
6. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 326-6900 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT.** This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

*for David Warner*  
\_\_\_\_\_  
DAVID WARNER, Director of Permit Services

S-1738-122-10; Oct 17 2007 8:22AM - CLERICOB - Joint Inspection NOT Required

8. When this unit is not operated (dormant for Rule 4702), the fuel supply line shall be physically disconnected from this unit. [District Rule 4702, 6.3] Federally Enforceable Through Title V Permit
9. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit if a source test has not been conducted in the past 24 months. [District Rule 4702, 6.3.2] Federally Enforceable Through Title V Permit
10. Upon 7 days written notice to the District, this engine may be designated as a dormant emission unit or an active emission unit. [District Rule 1070] Federally Enforceable Through Title V Permit
11. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 5.6.6] Federally Enforceable Through Title V Permit
12. Upon recommencing operation, particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Kern County Rule 404] Federally Enforceable Through Title V Permit
13. Upon recommencing operation, sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
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16. Upon recommencing operation, if the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3246, D 4468 or D 6667. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
17. Upon recommencing operation, if the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
18. Upon recommencing operation, emissions from this IC engine shall not exceed any of the following limits: 25 ppmvd NO<sub>x</sub> @ 15% O<sub>2</sub> or 0.35 g-NO<sub>x</sub>/hp-hr; 2,000 ppmvd CO @ 15% O<sub>2</sub> or 17.0 g-CO/hp-hr; or 159 ppmvd VOC @ 15% O<sub>2</sub> or 0.77 g-VOC/hp-hr. [District NSR Rule and District Rule 4702, 5.1] Federally Enforceable Through Title V Permit
19. Upon recommencing operation, permittee shall monitor and record, on a monthly basis, the catalyst inlet and outlet temperatures. [District Rule 4702, 6.5] Federally Enforceable Through Title V Permit
20. Upon recommencing operation, the acceptable catalyst temperature differential shall be established by source testing this unit or other representative units as approved by the District. The normal range/level shall be any temperature increase across the catalyst unless compliance with applicable NO<sub>x</sub> and CO emissions limits have been demonstrated through source testing at a similar temperature drop. [District Rule 4702, 6.5] Federally Enforceable Through Title V Permit
21. Upon recommencing operation, permittee shall maintain records of the date and time of temperature measurements and the measured temperatures. The records shall also include a description of any corrective action taken to maintain the temperature differential at the acceptable level. [District Rule 4702, 6.5] Federally Enforceable Through Title V Permit
22. Upon recommencing operation, if the catalyst temperature differential is outside of the normal range/level, the permittee shall notify the District and take corrective action (i.e. temperature differential returned to normal range/level) with one (1) hour of detection. If the catalyst temperature differential rate is not immediately corrected, the permittee shall conduct a source test within 60 days, to demonstrate compliance with the applicable emissions limits at the new temperature differential. [District Rule 4702, 6.5] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

23. Upon recommencing operation, this engine shall be operated and maintained in proper operating condition per the manufacturer's requirements as specified on the Inspection and Monitoring (I&M) plan submitted to the District. [District Rule 4702, 6.3.3, 6.5.1, 6.5.2] Federally Enforceable Through Title V Permit
24. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee must notify the District no later than seven days after changing the I&M plan and must submit an updated I&M plan to the APCO for approval no later than 14 days after the change. The date and time of the change to the I&M plan shall be recorded in the engine's operating log. For modifications, the revised I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702, 6.5.9] Federally Enforceable Through Title V Permit
25. Upon recommencing operation, the permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every calendar quarter (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the engine unless monitoring has been performed within the last month if on a monthly monitoring schedule, or within the last quarter if on a quarterly monitoring schedule. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4702, 5.6] Federally Enforceable Through Title V Permit
26. Upon recommencing operation, if either the NO<sub>x</sub> or CO concentrations corrected to 15% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emission concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rule 4702, 5.6] Federally Enforceable Through Title V Permit
27. Upon recommencing operation, all alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4702, 5.6] Federally Enforceable Through Title V Permit
28. Upon recommencing operation, the permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 15% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4702, 6.2.1] Federally Enforceable Through Title V Permit
29. Upon recommencing operation, source testing to measure natural gas-combustion NO<sub>x</sub>, CO, and VOC emissions from this engine shall be conducted not less than once every 24 months. [District NSR Rule and District Rule 4702, 6.3.2] Federally Enforceable Through Title V Permit
30. Upon recommencing operation, compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081] Federally Enforceable Through Title V Permit
31. Upon recommencing operation, source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
32. Upon recommencing operation, the results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

33. The following source test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100; CO (ppmv) - EPA Method 10 or ARB Method 100; VOC - EPA Method 25A or 25B, or ARB Method 100; stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. EPA approved alternative test methods may also be used to satisfy the source testing requirements of this permit with prior written approval from the APCO. [District Rule 4702, 6.4] Federally Enforceable Through Title V Permit
34. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rule 4702, 6.3.3] Federally Enforceable Through Title V Permit
35. Upon recommencing operation, this engine shall be operated within the ranges that the source testing has shown result in pollution concentrations within the emissions limits as specified on this permit. [District Rule 4702, 6.3.3] Federally Enforceable Through Title V Permit
36. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC, NOx, and CO concentrations shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702, 6.3.3] Federally Enforceable Through Title V Permit
37. Upon recommencing operation, the permittee shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type and quantity (cubic feet of gas) of fuel used, maintenance or modifications performed, monitoring data, compliance source test results, and any other information necessary to demonstrate compliance. [District Rule 4702, 6.2.1] Federally Enforceable Through Title V Permit
38. The operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of at least five years. For units at unstaffed sites or operated remotely, records may be maintained and retained at a District-approved off-site location. [District Rules 2520, 9.4.2 and 4702, 6.2.2] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

**Attachment C**  
**Emissions Increases**

<b>Stationary Source Increase in Permitted Emissions (SSIPE) (lb/yr)</b>					
<b>ATC</b>	<b>NO<sub>x</sub></b>	<b>SO<sub>x</sub></b>	<b>PM10</b>	<b>CO</b>	<b>VOC</b>
S-1738-122-10	0	0	0	0	0
<b>SSIPE</b>	0	0	0	0	0

\*SSIPE data from application review for ATC S-1738-122-10, project S-1073409.

Attachment D

Application

# San Joaquin Valley Air Pollution Control District

## APPLICATION FOR TITLE V MODIFICATION:

Received  
MAR 07 2008  
Permits Srvc  
SJVAPCD

- [X] ADMINISTRATIVE AMENDMENT  
 [ ] MINOR MODIFICATION  
 [ ] SIGNIFICANT MODIFICATION

1. PERMIT TO BE ISSUED TO: <b>Vintage Production California LLC</b>	
2. MAILING ADDRESS: STREET/P.O. BOX: <b>9600 Ming Ave., Suite 300</b> CITY: <b>Bakersfield</b> STATE: <b>CA</b> 9-DIGIT ZIP CODE: <b>93311</b>	
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: STREET: <b>Multiple locations within stationary source S-1738</b> CITY: <b>Throughout Kern County, CA</b> 1/4 SECTION _____ TOWNSHIP _____ RANGE _____	INSTALLATION DATE:
4. GENERAL NATURE OF BUSINESS: <b>Crude Oil and Natural Gas Production</b>	
5. EQUIPMENT FOR WHICH APPLICATION IS MADE (Include Permit Nos.): ATC # S-1738-122-10. 195 BHP Waukesha Model F-1197 Natural Gas-Fired IC Engine. Multiple location designation. (Use additional sheets if necessary)	
6. DO YOU REQUEST A CERTIFICATE OF CONFORMITY WITH THIS ACTION? [ ] YES [X] NO	
7. IS THIS APPLICATION SUBMITTED AS A RESULT OF A NOV/NTC? [ ] YES [X] NO NOV/NTC No.: _____	
8. SIGNATURE OF APPLICANT/CONTACT PERSON: 	TYPE OR PRINT TITLE OF APPLICANT: <b>Sr. HES Advisor</b>
9. TYPE OR PRINT NAME OF APPLICANT/CONTACT: <b>Vintage Production California LLC</b> <b>Joey Barulich</b>	DATE: <b>March 6, 2008</b>
10. FAX NUMBER: <b>(661) 869-8151</b>	TELEPHONE NUMBER: <b>(661) 869-8075</b>

FOR APCD USE ONLY:

DATE STAMP	FILING FEE RECEIVED: \$ _____ /
	DATE PAID: _____
	PROJECT NO.: <b>S-1080812</b> FACILITY REGION & ID: <b>S-1738</b>

San Joaquin Valley  
Unified Air Pollution Control District

Received

MAR 07 2008

Permits Svcs  
SJVAPCD

TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM

I. TYPE OF PERMIT ACTION (Check appropriate box)

SIGNIFICANT PERMIT MODIFICATION

ADMINISTRATIVE

MINOR PERMIT MODIFICATION

AMENDMENT

COMPANY NAME: <b>Vintage Production California LLC</b>	FACILITY ID: - S - 1738
1. Type of Organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name: <b>Vintage Production California LLC</b>	
3. Agent to the Owner: <b>Denny Brown</b>	

II. COMPLIANCE CERTIFICATION (Read each statement carefully and initial all circles for confirmation):

- Based on information and belief formed after reasonable inquiry, the source identified in this application will continue to comply with the applicable federal requirement(s) which the source is in compliance.
- Based on information and belief formed after reasonable inquiry, the source identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis.
- Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.
- Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete.

I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true:

Denny Brown  
Signature of Responsible Official

3-6-08  
Date

**Denny Brown**  
Name of Responsible Official (please print)

**Operations Manager**  
Title of Responsible Official (please print)

## Attachment E

### Previous Title V Operating Permit

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1738-122-8

EXPIRATION DATE: 02/28/2009

SECTION: SE25 TOWNSHIP: 11N RANGE: 21W

**EQUIPMENT DESCRIPTION:**

DORMANT 195 BHP WAUKESHA NATURAL GAS-FIRED IC ENGINE (PLEITO WELL 8-25)

## PERMIT UNIT REQUIREMENTS

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1. When this unit is not operated (dormant for Rules 4701 and 4702), the fuel supply line shall be physically disconnected from this unit. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
2. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit if a source test has not been conducted in the past 24 months. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
3. Upon 7 days written notice to the District this engine may be designated as a dormant emission unit or an active emission unit. [District Rule 1070] Federally Enforceable Through Title V Permit
4. Upon recommencing operation, permittee shall equip and operate this engine with a nonresettable fuel meter and a nonresettable elapsed operating time meter. In lieu of operating a nonresettable fuel meter, the owner or operator may use an alternative device, method, or technique in determining monthly fuel consumption provided that the alternative is approved by the APCO. Permittee shall maintain these required meters in proper operating condition. The fuel meter shall be calibrated periodically per the recommendations of the manufacturer. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
5. Upon recommencing operation, particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Kern County Rule 404] Federally Enforceable Through Title V Permit
6. Upon recommencing operation, sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
7. Upon recommencing operation, unit shall be fired only on PUC quality natural gas with a sulfur content of less than or equal to 0.017% by weight. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
8. Upon recommencing operation, if the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. Upon recommencing operation, if the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3246, D 4468 or D 6667. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
10. Upon recommencing operation, if the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. Upon recommencing operation, emission rates shall not exceed any of the following limits: NOx: 25 ppmv @ 15% O<sub>2</sub> or 96% reduction, CO: 2000 ppmv @ 15% O<sub>2</sub>, or VOC: 159 ppmv @ 15% O<sub>2</sub>. [District Rules 2201, 4701 and 4702] Federally Enforceable Through Title V Permit
12. Upon recommencing operation, permittee shall monitor and record, on a monthly basis, the catalyst inlet and outlet temperatures. [District Rule 4702] Federally Enforceable Through Title V Permit
13. Upon recommencing operation, the acceptable catalyst temperature differential shall be established by source testing this unit or other representative units as approved by the District. The normal range/level shall be any temperature increase across the catalyst unless compliance with applicable NOx and CO emissions limits have been demonstrated through source testing at a similar temperature drop. [District Rule 4702] Federally Enforceable Through Title V Permit
14. Upon recommencing operation, permittee shall maintain records of the date and time of temperature measurements and the measured temperatures. The records shall also include a description of any corrective action taken to maintain the temperature differential at the acceptable level. [District Rule 4702] Federally Enforceable Through Title V Permit
15. Upon recommencing operation, if the catalyst temperature differential is outside of the normal range/level, the permittee shall notify the District and take corrective action (i.e. temperature differential returned to normal range/level) with one (1) hour of detection. If the catalyst temperature differential rate is not immediately corrected, the permittee shall conduct a source test within 60 days, to demonstrate compliance with the applicable emissions limits at the new temperature differential. [District Rule 4702] Federally Enforceable Through Title V Permit
16. Upon recommencing operation, the permittee shall monitor and record the stack concentration of NOx, CO, and O<sub>2</sub> at least once every calendar quarter (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the engine unless monitoring has been performed within the last month if on a monthly monitoring schedule, or within the last quarter if on a quarterly monitoring schedule. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
17. Upon recommencing operation, if either the NOx or CO concentrations corrected to 15% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emission concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
18. Upon recommencing operation, all alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
19. Upon recommencing operation, the permittee shall maintain records of: (1) the date and time of NOx, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NOx and CO concentrations corrected to 15% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

20. Upon recommencing operation, compliance with NOx, CO and VOC emission limits shall be demonstrated through source testing not less than once every 24 months. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
21. Upon recommencing operation, compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081] Federally Enforceable Through Title V Permit
22. Upon recommencing operation, source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
23. Upon recommencing operation, the results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
24. Upon recommencing operation, the following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and VOC (ppmv) - EPA Method 25 or EPA Method 18 referenced as methane. [District Rules 1081, 4701 and 4702] Federally Enforceable Through Title V Permit
25. Upon recommencing operation, an operating log record shall be maintained that includes compliance source test results, monitoring data, make and model of exhaust gas analyzer, exhaust gas analyzer calibration records, and catalyst maintenance and cleaning intervals. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
26. Upon recommencing operation, emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rules 4701, 6.3.2 and 4702, 6.3.2]
27. Upon recommencing operation, the permittee shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type and quantity (cubic feet of gas or gallons of liquid) of fuel used, maintenance or modifications performed, monitoring data, compliance source test results, and any other information necessary to demonstrate compliance. [District Rules 4701, 6.2.1 and 4702, 6.2.1]
28. Upon recommencing operation, the operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2] Federally Enforceable Through Title V Permit
29. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
30. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
31. Upon recommencing operation, this engine shall be operated and maintained in proper operating condition per the manufacturer's requirements as specified on the Inspection and Monitoring (I&M) plan submitted to the District. [District Rule 4702, 6.3.3, 6.5.1, 6.5.2] Federally Enforceable Through Title V Permit
32. Upon recommencing operation, this engine shall be operated within the ranges that the source testing has shown result in pollution concentrations within the emissions limits as specified on this permit. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

33. Upon recommencing operation, for emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC, NOx, and CO concentrations shall be reported in ppmv, corrected to 15% oxygen. [District Rules 4701, 6.3.2 and 4702, 6.3.2] Federally Enforceable Through Title V Permit
34. Upon recommencing operation, the permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee must notify the District no later than seven days after changing the I&M plan and must submit an updated I&M plan to the APCO for approval no later than 14 days after the change. The date and time of the change to the I&M plan shall be recorded in the engine's operating log. For modifications, the revised I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702, 6.5.8] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

**Attachment F**  
**Proposed Operating Locations**

**Current Permitted Location**

<b><u>PTO #</u></b>	<b><u>Lease</u></b>	<b><u>¼</u></b>	<b><u>Section</u></b>	<b><u>Township</u></b>	<b><u>Range</u></b>
S-1738-122	Pleito	SE	25	11N	21W

**Proposed Locations – All Locations Greater Than 1,000 Feet From Nearest School**

Field	¼	Sec	Twnshp	Rng	Distance to Nearest Receptor	Map # (s)
Tejon Field	NE, NW, SE & SW	19	11N	19W	+/- 0.8 miles S (Bus / Res)	1
	SE & SW	20	11N	19W	+/- 1.0 miles S (Bus / Res)	1
	SE & SW	21	11N	19W	+/- 1.8 miles SW (Bus / Res)	1
	SE & SW	22	11N	19W	+/- 1.5 miles S (Bus / Res)	1
	SE & SW	23	11N	19W	+/- 1.7 miles SW (Bus / Res)	1
	SE & SW	24	11N	19W	+/- 1.7 miles SW (Bus / Res)	1
	NW & SW	25	11N	19W	+/- 1.6 miles SW (Bus / Res)	1
	NE, NW, SE & SW	26	11N	19W	+/- 0.7 miles SW (Bus / Res)	1
	NE, NW, SE & SW	27	11N	19W	+/- 0.6 miles S (Bus / Res)	1
	NE, NW, SE & SW	28	11N	19W	+/- 1.7 miles S (Bus / Res)	1
	NE, NW, SE & SW	29	11N	19W	+/- 0.5 miles SW (Bus / Res)	1
	NE & SE	30	11N	19W	+/- 1,200 feet SW (Bus / Res)	1
	NE & SE	31	11N	19W	+/- 1,600 feet W (Bus / Res)	1
	NE, NW, SE & SW	32	11N	19W	+/- 0.5 miles W (Bus / Res)	1
	NE, NW, SE & SW	33	11N	19W	+/- 650 feet W (Bus / Res)	1
	NE, NW, SE & SW	34	11N	19W	+/- 750 feet SW (Bus / Res)	1
	NE, NW, SE & SW	35	11N	19W	+/- 1.0 miles W (Bus / Res)	1
	NE, NW, SE & SW	36	11N	19W	+/- 2.0 miles W (Bus / Res)	1
	NW & SW	1	10N	19W	+/- 2.2 miles NW (Bus / Res)	1
	NE, NW, SE & SW	2	10N	19W	+/- 1.2 miles NW (Bus / Res)	1
	NE, NW, SE & SW	3	10N	19W	+/- 0.4 miles NW (Bus / Res)	1
	NW & NE	11	10N	19W	+/- 1.6 miles NW (Bus / Res)	1
	NW	12	10N	19W	+/- 2.4 miles NW (Bus / Res)	1

Field	1/4	Sec	Twnshp	Rng	Nearest Receptor	Map # (s)
Wheeler Ridge (KCL-C / COC)	NE	20	11N	20W	+/- 2.0 miles SW (Business)	2
	NW	20	11N	20W	+/- 1.6 miles SW (Business)	2
	SE	20	11N	20W	+/- 1.6 miles SW (Business)	2
	SW	20	11N	20W	+/- 1.1 miles SW (Business)	2
(KCL-P & G)	NE, NW, SE & SW	21	11N	20W	+/- 2.0 miles W (Business)	2
(KCL-G)	NE	22	11N	20W	+/- 1.2 miles SE (Business)	2
	NW	22	11N	20W	+/- 1.6 miles E (Business)	2
	SE	22	11N	20W	+/- 1.0 miles E (Business)	2
	SW	22	11N	20W	+/- 1.5 miles E (Business)	2
(KCL-G)	NE	23	11N	20W	+/- 0.8 miles NE (Bus / Res)	2
	NW	23	11N	20W	+/- 0.2 - 0.4 miles NE (Bus / Res)	2
	SE	23	11N	20W	+/- 800 - 1,200 feet E (Business)	2
	SW	23	11N	20W	+/- 0.6 miles E (Business)	2
(KCL-G & I)	NE	24	11N	20W	+/- 800 - 1,000 feet SW (Bus / Res)	2
	NW	24	11N	20W	+/- 300 - 1,000 feet SW (Bus / Res)	2
	SE	24	11N	20W	+/- 800 - 1,000 feet N (Bus / Res)	2
	SW	24	11N	20W	+/- 0.2 - 0.5 miles SW (Business)	2
(KCL-G, L & F)	NE	25	11N	20W	+/- 600 - 1,200 feet S (Business)	2
	NW	25	11N	20W	+/- 1,000 - 2,000 feet NW (Business)	2
	SE	25	11N	20W	+/- 200 - 1,500 feet NW (Business)	2
	SW	25	11N	20W	+/- 1,200 - 2,000 feet NE (Business)	2

Field	1/4	Sec	Twnshp	Rng	Nearest Receptor	Map # (s)
Wheeler Ridge (WRU)	NE	26	11N	20W	+/- 0.2 miles NE (Business)	2
	NW	26	11N	20W	+/- 0.5 miles NE (Business)	2
	SE	26	11N	20W	+/- 0.7 miles NE (Business)	2
	SW	26	11N	20W	+/- 0.9 miles NE (Business)	2
(KCL-G)	NE	27	11N	20W	+/- 1.2 miles NE (Business)	2
		27	11N	20W	+/- 1.6 miles NE (Business)	2
		27	11N	20W	+/- 1.8 miles NE (Business)	2
		27	11N	20W	+/- 2.0 miles NE (Business)	2
(WRU)	NE, NW, SE & SW	28	11N	20W	+/- 2.0 miles NW (Business)	2
(KCL-D)	NE	29	11N	20W	+/- 0.8 miles NW (Business)	2
	NW	29	11N	20W	+/- 1.0 miles NW (Business)	2
	SE & SW	29	11N	20W	+/- 1.2 miles NW (Business)	2
(WRU)	NE, NW, SE & SW	31	11N	20W	+/- 1.2 miles N (Business)	2
(WRU)	NE, NW, SE & SW	32	11N	20W	+/- 2.0 miles N (Business)	2
(WRU)	NE, NW, SE & SW	33	11N	20W	+/- 2.5 miles N (Business)	2
(KCL-L & G)	NE, NW, SE & SW	34	11N	20W	+/- 2.0 miles NE (Business)	2
Wheeler Ridge (KCL-L)	NE	35	11N	20W	+/- 1.3 miles NE (Business)	2
	NW	35	11N	20W	+/- 0.8 miles NE (Business)	2
	SE	35	11N	20W	+/- 1.2 miles NE (Business)	2
	SW	35	11N	20W	+/- 1.4 miles NE (Business)	2
(KCL-L & F)	NE & NW	36	11N	20W	+/- 0.6 miles N (Business)	2
	SE & SW	36	11N	20W	+/- 1.2 miles N (Business)	2

Field	1/4	Sec	Twnshp	Rng	Nearest Receptor	Map # (s)
San Emidio Nose	NE, SE & SW	03	11N	21W	+/- 0.8 miles N (Residence)	3
(Rio Viejo)	NE	04	11N	21W	+/- 1.5 miles SW & NE (Res)	3
(Aqueduct)	SW & SE	06	11N	21W	+/- 0.7 miles SW (Business)	3
(KCL-H)	NE, NW, SE & SW	09	11N	21W	+/- 0.6 miles NW (Residence)	3
	NE, SE & SW	10	11N	21W	+/- 1.4 miles NW (Residence)	3
Rio Viejo	NE (well 81x-33)	33	12N	21W	+/- 1,100 feet NE (Residence)	3
	NE (well 83x-33)	33	12N	21W	+/- 0.5 miles NE (Residence)	3
	SE	33	12N	21W	+/- 0.6 miles NE (Residence)	3
	SW	33	12N	21W	+/- 0.8 miles NE (Residence)	3
	NE	34	12N	21W	+/- 1,000 feet SW (Residence)	3
	NW (well 34x-34)	34	12N	21W	+/- 700 feet SE (Residence)	3
	NW (well 22x-34)	34	12N	21W	+/- 0.4 miles NE (Residence)	3
Landslide	SE & SW	19	11N	21W	+/- 1.3 miles NW (Business)	4
	NE, NW, SE & SW	30	11N	21W	+/- 1.8 miles NW (Business)	4
Landslide / Boulder Creek	SE	24	11N	22W	+/- 1.0 miles N (Business)	4

Field	1/4	Sec	Twnshp	Rng	Nearest Receptor	Map # (s)
Pleito	NE, NW, SE & SW	25	11N	21W	+/- 0.8 miles NW (Business)	5
	NE, NW, SE & SW	35	11N	21W	+/- 1.3 miles N (Business)	5
	NE, NW, SE & SW	36	11N	21W	+/- 1.3 miles N (Business)	5
(Pleito Ranch)	NE	30	11N	20W	+/- 0.4 miles N (Business)	5
	NW	30	11N	20W	+/- 0.3 miles N (Business)	5
	SE	30	11N	20W	+/- 0.6 miles N (Business)	5
	SW	30	11N	20W	+/- 0.5 miles N (Business)	5
Paloma	NE	02	32S	26E	+/- 0.4 miles W (Bus. & Res.)	6
	NW	02	32S	26E	+/- 1,100 feet NW (Bus. & Res.)	6
	SE	02	32S	26E	+/- 0.7 miles NW (Bus. & Res.)	6
	SW	02	32S	26E	+/- 0.5 miles N (Bus. & Res.)	6
	NE	03	32S	26E	+/- 600 feet E (Bus. & Res.)	6
	NW	03	32S	26E	+/- 0.6 miles E (Bus. & Res.)	6
	SE	03	32S	26E	+/- 0.5 miles NE (Bus. & Res.)	6
	SW	03	32S	26E	+/- 0.8 miles NE (Bus. & Res.)	6
Paloma	NE	04	32S	26E	+/- 0.3 miles NW (Residence)	6
	NW	04	32S	26E	+/- 0.4 miles N (Residence)	6
	SE	04	32S	26E	+/- 0.8 miles NW (Residence)	6
	SW	04	32S	26E	+/- 0.6 miles N (Residence)	6
NE, NW, & SE NE & NW	NE	10	32S	26E	+/- 0.3 miles SE (Residence)	6
	NW	11	32S	26E	+/- 0.3 miles SW (Residence)	6

Field	¼	Sec	Twnshp	Rng	Nearest Receptor	Map # (s)
Belgian Anticline	NE, NW, SE & SW	28	30S	22E	+/- 0.5 miles NW (Bus / Res)	7
	NE, NW, SE & SW	29	30S	22E	+/- 0.2 miles N (Bus / Res)	7
	NE, NW, SE & SW	30	30S	22E	+/- 0.4 miles E (Bus / Res)	7
	NE, NW, SE & SW	31	30S	22E	+/- 0.8 miles NE (Bus / Res)	7
	NE, NW, SE & SW	23	30S	21E	+/- 2.6 miles E (Bus / Res)	7
	NE, NW, SE & SW	24	30S	21E	+/- 1.8 miles E (Bus / Res)	7
	NE, NW, SE & SW	23	30S	21E	+/- 1.8 miles E (Bus / Res)	7

**Attachment B**

*Project Site Location Maps*

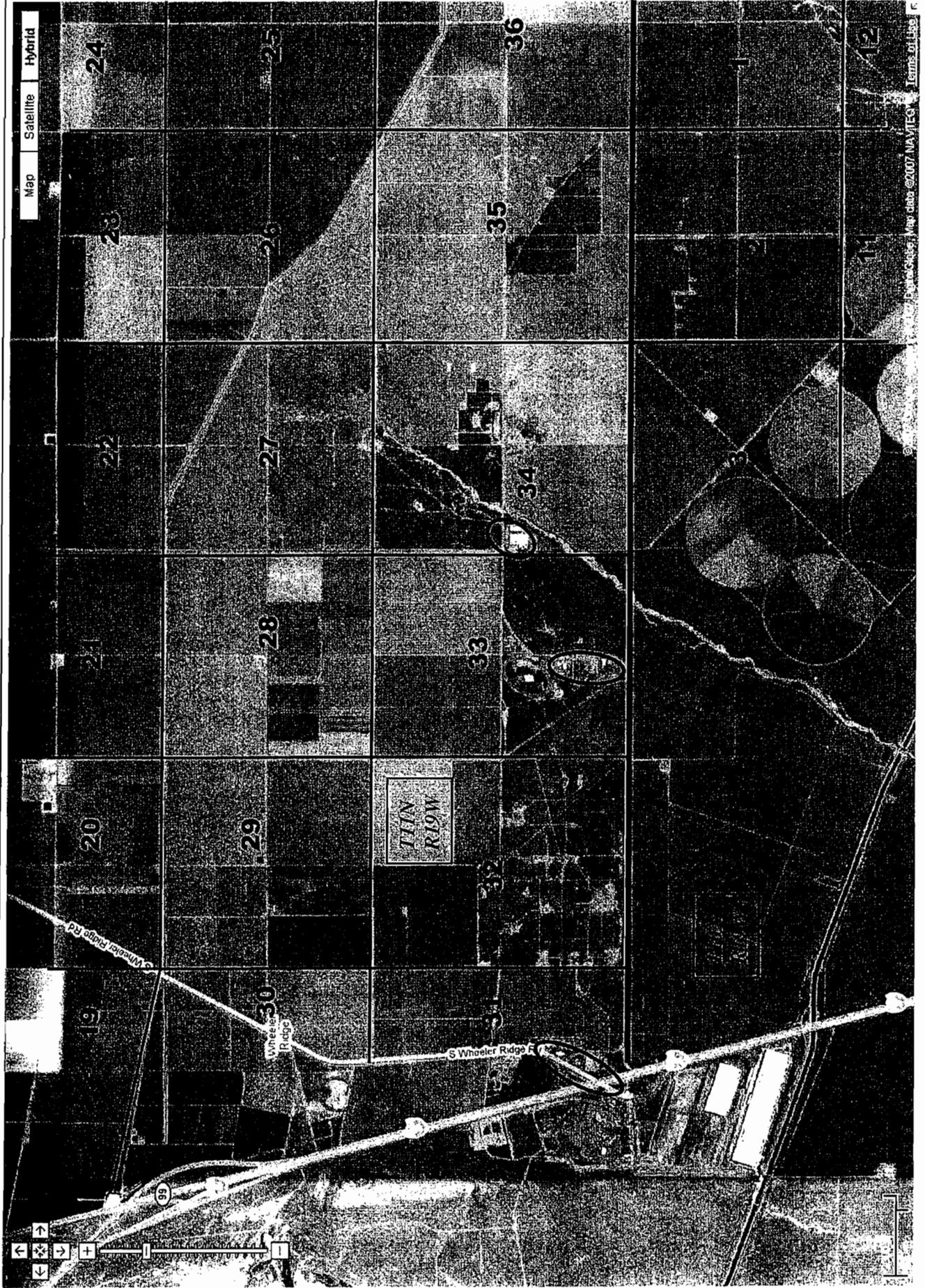
Map #1 - Tejon Field

Sections 1, 2, 3, 11 and 12 - T10N, R 19W

Sections 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 and 36 - T11N, R19W

\* Business Receptors ○

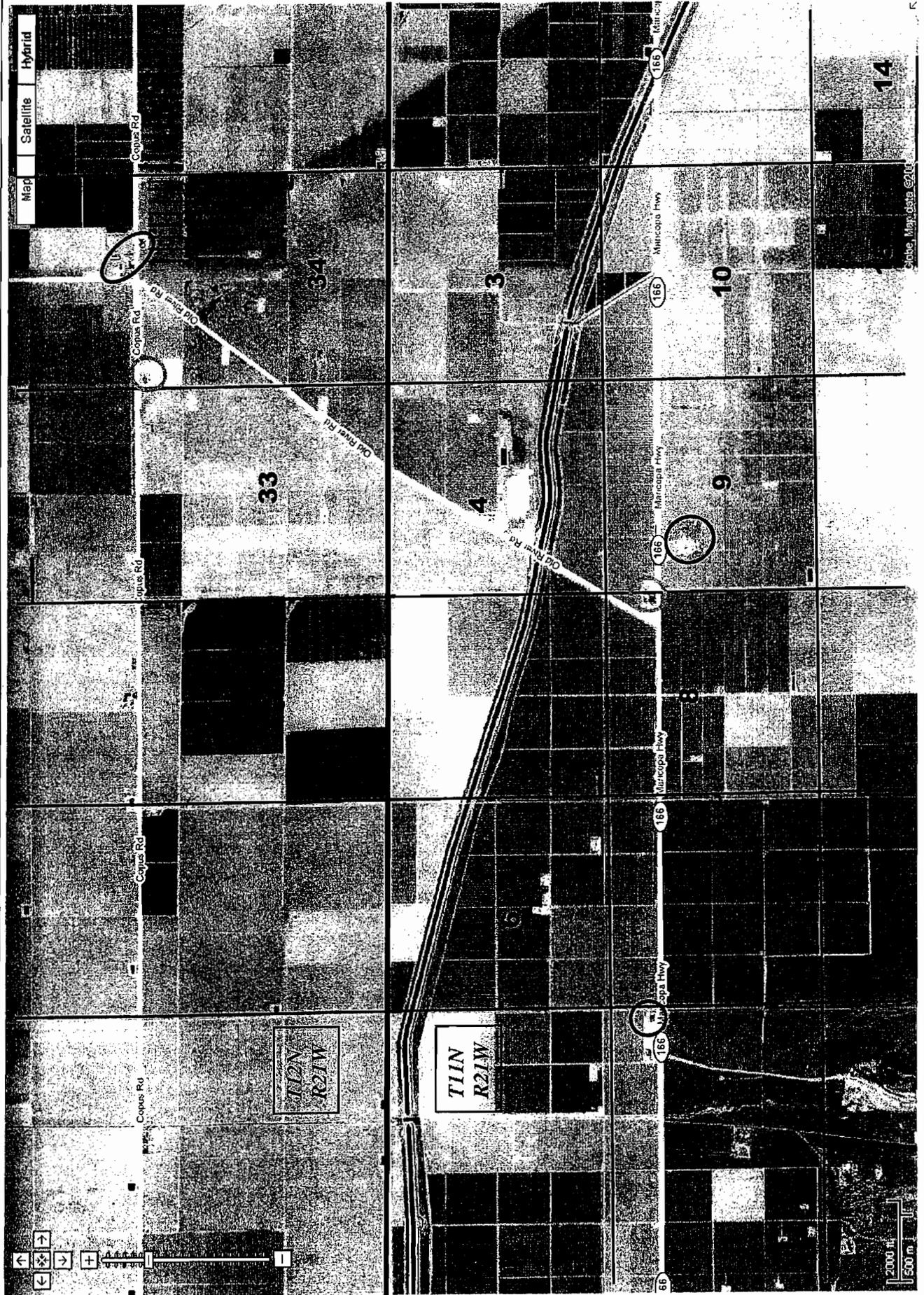
\* Residential Receptors ○



Map #3 - Rio Viejo and San Emidio Nose Fields  
 Sections 33 and 34 - T12N, R21W.  
 Sections 3, 4, 6, 8, 9, 10, 14 and 15 - T11N, R21W

\* Business Receptors ○

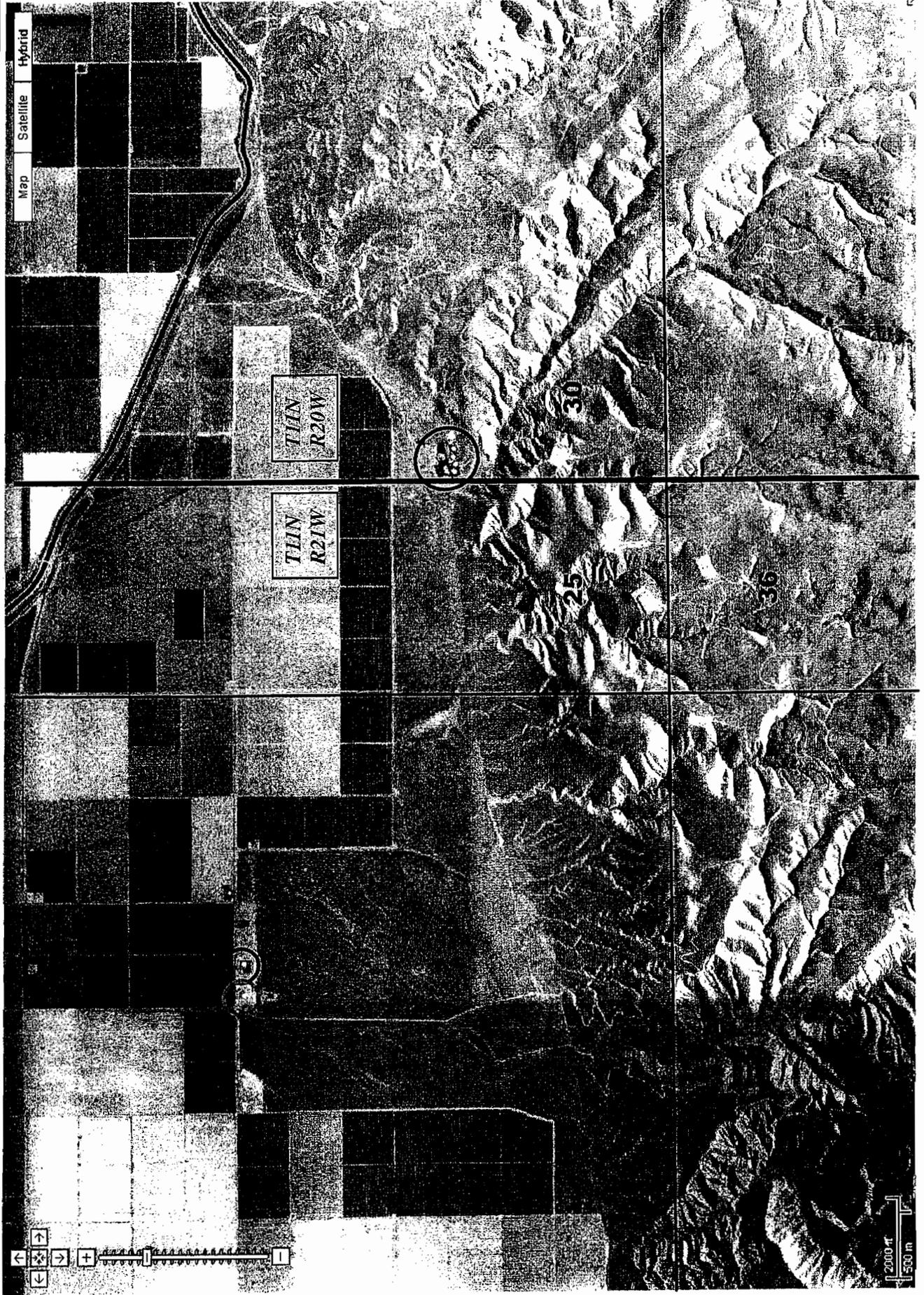
\* Residential Receptors ○





Map #5 - Pleito Field  
Section 30 - T11N, R20W.  
Sections 25 and 36 - T11N, R21W  
\* Business Receptors ○

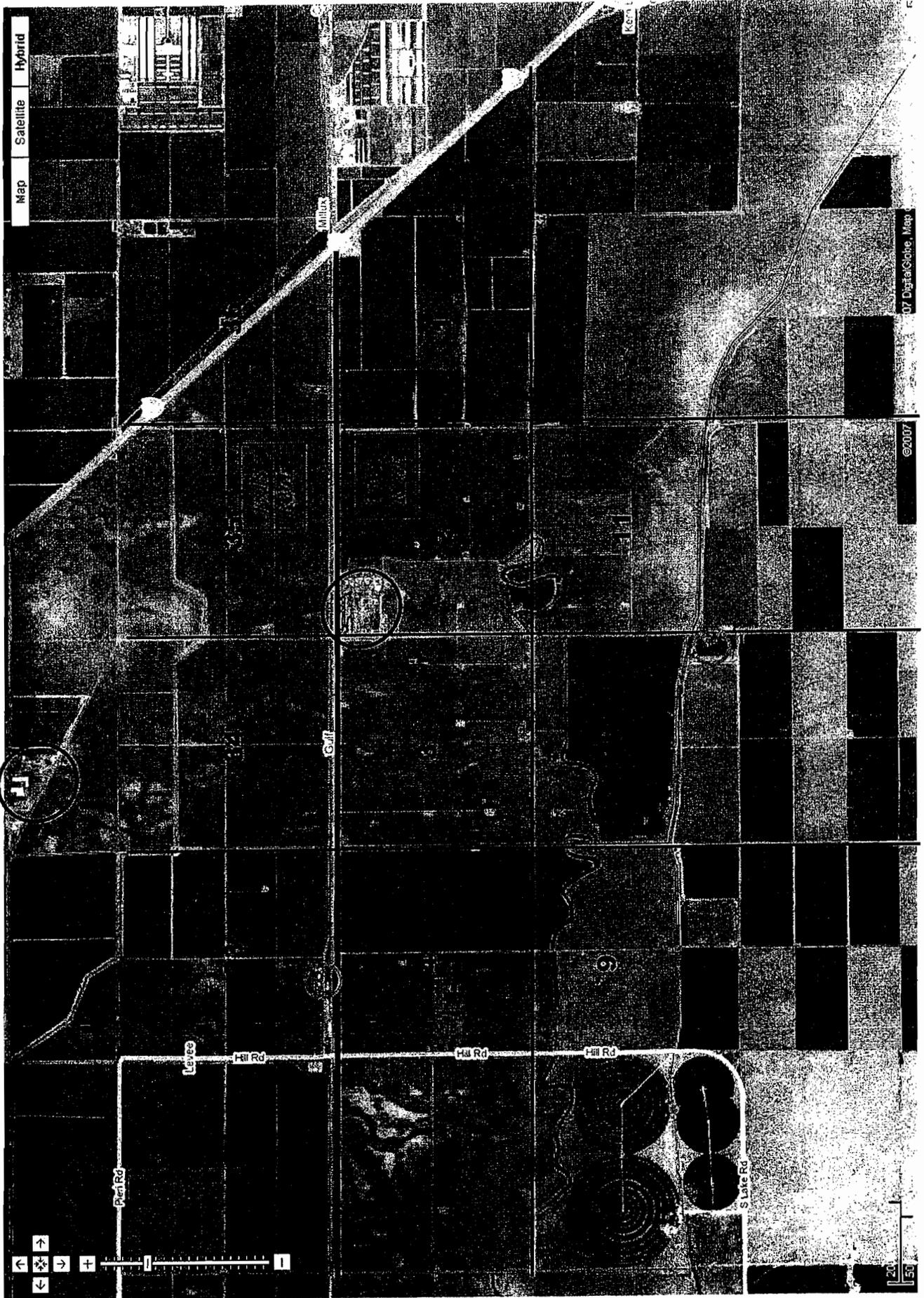
\* Residential Receptors ○



Map #6 - Paloma Field  
Sections 1, 2, 3, 3, 9, 10 and 11 - T32S, R26E  
Sections 33, 34, 35 and 36 - T31S, R26E

\* Business Receptors ○

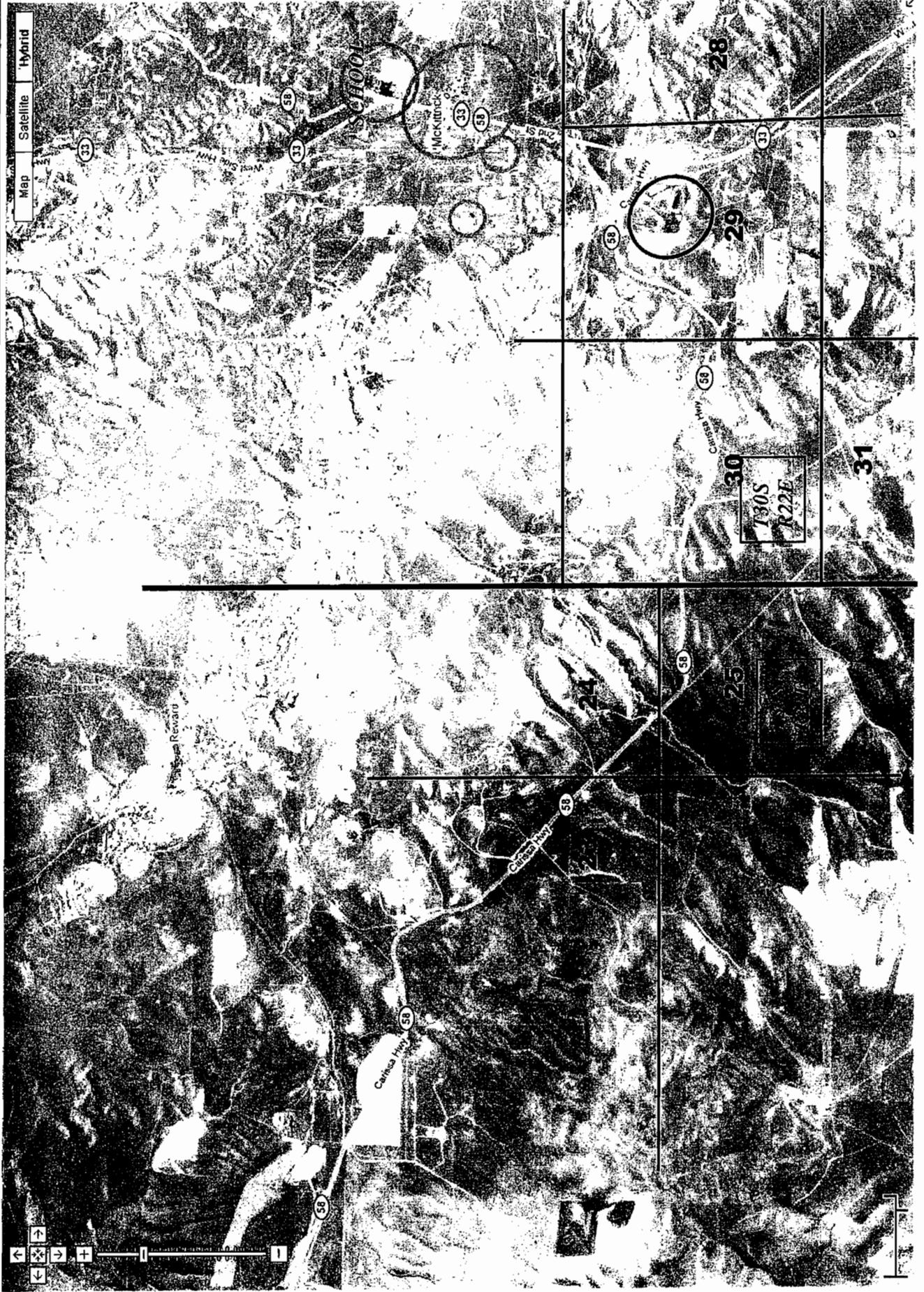
\* Residential Receptors ○



Map #7 - Belgian Anticline Field  
 Sections 28, 29, 30 AND 31 - T30S, R22E,  
 Sections 23, 24 and 25 - T30S, R21E

\* Business Receptors ○

\* Residential Receptors ○



Map #2 - Wheeler Ridge Field

Sections 13, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36.

Township 11N, Range 20W

\* Business Receptors ○

\* Residential Receptors ○

