

Bureau of Land Management
Bakersfield Field Office
Operator Seminar

May 22, 2007

John Kaiser
Acting AFM, Minerals

jkaiser@ca.blm.gov

661-391-6142

BLM/CDOGGR Matrix For Permits and Inspections

PERMITS, INSPECTIONS VARIANCE APPROVALS FOR:	BLM FEE *	BLM MNRLS/ PRIVATE SURFACE *	BLM Srfc./ PRIVATE MINERALS	Private Srfc/ Private Mnrls in BLM Unit
PRODUCTION VERIFICATION	BLM	BLM	N/A	BLM
DOWNHOLE OPERATIONS (Non-UIC) Drills, Reworks, & Abd. Permits, Variance Approval & Inspections	BLM	BLM	DOG	DOG
Directional BLM + Private Compl.	BLM	BLM	N/A	N/A
ENVIRONMENTAL LEASE INSP. (see UIC exception below)	BLM	BLM	BLM	DOG
ABD WELLSITE RESTORATION	BLM	BLM	BLM	DOG
UIC:				
1. Project Approval	DOG	DOG	DOG	DOG
2. Drill, Rework w/in project	DOG	DOG	DOG	DOG
3. Drill, Rework outside of project	BLM	BLM	DOG	DOG
4. Abandonment (downhole)	DOG	DOG	DOG	DOG
5. Cyclic Well	BLM	BLM	DOG	DOG
6. Convert UIC to Prod. (OG)	BLM	BLM	DOG	DOG
7. Convert Prod. to UIC	DOG	DOG	DOG	DOG
8. Gas Injection Well	DOG	DOG	DOG	DOG
9. Observation Well	BLM	BLM	DOG	DOG
10. Facilities Inspection	DOG	DOG	DOG	DOG
11. Surface Conditions of Approval	BLM	Not Req'd	BLM	N/A

* Note: Includes cases where the BLM owns less than 100% of the mineral estate.

Overview of BLM Roles, Responsibilities and Statistics

Jeff Prude
Petroleum Engineer
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661-391-6140

“Who Is the BLM?”

Who Are We?

BLM is part of the Department of Interior

**Manage mineral estate on 700 million acres of
Land (47 million in CA)**

11 million acres of producing oil and gas leases

Mostly in 12 western states

Largest mineral manager in U.S.

“Multiple Use” Mandate

Bureau of Land Management Bakersfield Field Office

Acting Field Mgr - Patty Gradek (661-391-6000)

Programs

Minerals (Oil and Gas and Hardrock)

Fire

Range Mgmt

Recreation

Wild Horse and Burro

Lands

Biological Resources (environmental)

Archeology

Operations (engineering - roads, bridges, etc.)

Others

Bureau of Land Management Bakersfield Field Office

85 employees total

14 Oil and Gas employees

Acting Field Manager

Patricia Gradek (661-391-6131)

**Oil and Gas - Statewide Operations
Responsibilities managed by
Bakersfield Field Office**

BLM Oil and Gas Properties in California

- Over 300 leases with nearly 9,000 wells
- Last year federal leases in California produced more than 46,400 barrels of oil and 12.8 million cubic feet of natural gas per day.
- At 8,000 BPD, Chevron's Section 22-G Lease in the Midway Sunset Field is the highest producing onshore federal lease in the lower 48 states.



Bakersfield BLM Oil and Gas SubTeams

- **Drilling and Production**
- **Inspection and Enforcement**
- **Surface Compliance**
- **Reservoir Management**
- **Leasing**

Additional Areas of Focus

- **Electronic Permitting**
- **Idle/Orphan Wells**
- **Automated Fluid Minerals Support System (AFMSS)**
- **Partnerships**
- **Oil and Gas Conference**
- **NPR2**



Federal laws were enacted to allow federal properties to be leased for certain approved uses

Regulations and policies were developed to incorporate the intent of the adopted laws and give guidance to the public



Federal guidance is given along the way as well as inspections to ensure compliance with policies



Federal royalties from oil and gas sales are split 50:50 between federal and state governments



Federally owned minerals exist throughout the United States that is available for oil and gas leasing

Land is nominated for leasing by interested parties or by BLM

Land is leased at auction to the highest bidder

The new lease holder requests approval for lease development from the BLM

Development plan is approved and development begins

Oil and gas is produced and sold

Lessee is done with the property and applies to abandon the leases

Abandonment plan is approved and property is restored back to its original state

Land is ready to be leased again



Some leases have existed and produced for over 80 years



Environmental Laws and Regulations

Denis Kearns
Botanist

dkearns@ca.blm.gov

661-391-6115

Laws and Regulations

- FLPMA - Federal Land Policy Management Act
 - Compliance with Caliente Resource Management Plan
- NEPA – National Environmental Policy Act of 1969
 - Requires Environmental Assessment (EA) or Categorical Exclusion (CX)
- The Antiquities Act of 1906 and The National Historic Preservation Act
- Endangered Species Act of 1973

Laws and Regulations

- Applies to everything BLM does
 - BLM actions (both Federal and Private surface)
 - 3rd Party Actions : Right-of-Ways, Geophysical Permits, APD's and Sundry Notices

Land Use Plan

- All actions must conform to Caliente Resource Management Plan (RMP)
- Amendment to Caliente RMP covering NPR-2 Oil and Gas and Realty actions was completed in 2006
- Amendment covering all other actions on NPR-2 will be completed next year

Environmental Assessments and Categorical Exclusions

Environmental Assessment

Standard EA

- Full text paragraphs
- Need detail biology & cultural report from consultants
- Most R/W, geophysical

Form EA

- Check boxes & bullet statements
- Brief biology report from consultants ok
- Most APD & Sundry

Environmental Assessments and Categorical Exclusions

Categorical Exclusions

- Minimum text
- Brief biology report from consultant ok
- Some R/W, APDs & Sundry

Special Categorical Exclusions

- < 5 acres disturbance, < 150 acres total on lease & site specific EA
- Well at site where drilling has occurred within 5 years
- Well in developed field & EA or Land Use Plan < 5 years old
- Pipeline in approved R/W corridor & corridor approved < 5 years ago (none in Bakersfield)
- Minor maintenance - no construction or renovation of buildings or facilities

Process

Sundry or APD

- Application to Minerals (Silvet)
- Copy to Resources (Gabe)
- Field Check (Gabe)
- Complete NEPA, cultural and ESA compliance
- Provide stipulations to minerals for approval

Process

Right-of-Way

- Application to Resources (Sue Lopez)
- Field Review and report by consultants
- Complete NEPA, cultural, and ESA compliance
- Include stipulations in authorization letter, grant, or permit

Process

Geophysical

- Application to Minerals (Nora)
- Field review and report by consultants
- Complete NEPA, cultural, and ESA compliance
- Include stipulations in authorization letter



QUESTIONS?

Cultural Resources, Laws and Regulations

Kim Cuevas
Archaeologist
kcuevas@ca.blm.gov

What Are Cultural Resources?

Cultural resources consist of remains or sites associated with human activities and include the following:

- ❖ Prehistoric and ethnohistoric native American archaeological sites.
- ❖ Historic archaeological sites.
- ❖ Elements or areas of the natural landscape which have traditional cultural significance.





Key Federal Cultural Resource Laws

- ❖ Antiquities Act of 1906
- ❖ National Historic Preservation Act of 1966
(section 106)
- ❖ Archaeological Resources Protection Act of
1979
- ❖ Native American Graves Protection and
Repatriation Act of 1990

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Questions

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Biological Resources
and
Oil and Gas Programmatic
Biological Opinion

Amy Kuritsubo
Wildlife Biologist
akuritsu@blm.gov
661-391-6113

Biological Resources

- Plants – *Denis*
- Animals – *Larry & Amy*
- NEPA – National Environmental Policy Act
- ESA – Endangered Species Act

National Environmental Policy Act

CEEA # CA-100-07-CR16

BUREAU OF LAND MANAGEMENT
NEPA SHORT FORM

Project Name: 2007 Various Oil & Gas Pipeline Renewals

Case File Serial Number: See Attached List

Location: See Attached List of Legal Descriptions

Proposed Action: Various rights-of-way will be expiring in the year of 2007. Applications to renew these facilities authorized pursuant to Section 28 of the Mineral Leasing Act of February 25, 1920, as amended, have been filed or will be filed. No new construction is proposed. The existing facilities would be maintained as they have been in the past. The proposed action is to approve the renewal of the facilities described on the attached list.

The maps of the facilities are shown as Exhibit A. Standard right-of-way guide stipulations would apply and are included as Exhibit B.

PART I: PLAN CONFORMANCE REVIEW.

This proposed action is subject to the following land use plan: California BLM, approved in May 1997. The proposed action has been reviewed for conformance with this plan, as required by 43 CFR 1610.5-3(a). Bureau of Land Management authority for renewal authorization of the oil and gas pipelines on BLM land is consistent with regulations at 43 CFR 2800 and Section 28 of the Mineral Leasing Act of February 25, 1920, as amended.

[Signature]
Reviewer

Remarks: The proposed actions are located within the Coastal and Valley Management Areas. Valley Management Area Objectives include "Collaborate with the oil and gas industries in meeting mutually beneficial management objectives."

PART II: NEPA REVIEW.

A. Categorical Exclusion Review. This proposed action qualifies as a categorical exclusion under 516 DM 6, Appendix 3-4E(9). It has been reviewed to determine if any of the exceptions described in 516 DM 6, Appendix 3, apply.

CX

Special Cases

Form Biology
Report OK

EAPCA-100-05-002

NATIONAL ENVIRONMENTAL POLICY ACT
PLAN CONFORMANCE AND NEPA COMPLIANCE RECORD

1	Project Title	Aero Energy LLC	License Number	CA000007
2	Location	Section 7, T12S, R23E, M284M in Kern County	Office Number	CA 100
3	Proposed Action	Renewal of renewal of service cables		
4	Field Inspection Completed on	September 7, 2005 by Environmental Protection Specialist, Gabriel Garcia		

CONFORMANCE WITH APPLICABLE LAND USE PLAN

This proposed action falls within the Valley and Coast Management Areas of the California Resource Management Plan, approved May 16, 1997. This plan has been reviewed to determine if the proposed action conforms with the land use plan, terms, and conditions as required by 43 CFR 1610.5 and BLM MS 1617.3.

EXISTING EA REVIEW

This environmental document has been reviewed in terms of the criteria discussed in BLM 19790-1, Chapter 3, Section C, to determine if it fully covers the proposed action now under consideration.

CRITERIA	SUBNAME
1. The proposed action is within the range of alternatives previously analyzed.	(1) Criteria
2. The proposed action is essentially the same as an alternative previously analyzed.	(2) Criteria
3. Reasonable alternatives to the proposed action were previously analyzed.	(3) Criteria
4. There are no new circumstances or information.	(4) Criteria
5. The methodology and analysis previously employed are appropriate for the proposed action.	(5) Criteria
6. The proposed action would not change the previous analysis of cumulative impacts.	(6) Criteria
7. Public involvement in the previous analysis was appropriate for the proposed action.	(7) Criteria

Remarks, including any requirements that must be met: Insufficient Conditions of Approval (ICOA) to the text of authorization.

Form EA

Most APD &
Sundry

Form Biology
Report OK

ENVIRONMENTAL ASSESSMENT
FACT SHEET

Title of Project: PG & E, CA 010423

EA Number: CA-010-04-001 Preparing Office: Bakersfield Field Office

Location: Sec. 7, T. 32 S., R. 23 E., M.D.M.

Project Leader: Jim Lopez Title: Biological Specialist

LIST OF PREPARERS

POSITION	SIGNATURE
1. WILDLIFE	<i>[Signature]</i>
2. BOTANY	<i>[Signature]</i>
3. CULTURAL	<i>[Signature]</i>
4. GRAZING	<i>[Signature]</i>
5. LANDS	<i>[Signature]</i>

Project Leader: Jim Lopez 11-10-04
Date

Document EA

Most R/W &
Geophysical

Need Detailed
Biology Report

Endangered Species Act

- ESA Requirements
 - 📖 BLM must consult if “may affect”
 - 📖 Need permit to “take” listed animal
 - 📖 Conservation mandate to all federal agencies
- O&G Programmatic Biological Opinion
 - 📖 Compliance with ESA

Oil and Gas Programmatic Biological Opinion

- Meet APD and Sundry Notice
Timeframes
 - ⌚ Typical consultation = 3 months to 1 + years
 - ⌚ Programmatic = about 1 week after receiving consultant report
- Predictable

Oil and Gas Programmatic Biological Opinion

- Only 10% need consultation
 - 👍 Most projects can be sited to avoid impacts



Kern & Kings County Oil Fields



Oil and Gas Programmatic Biological Opinion

- Consultation completed ahead of time
- Qualifying projects can be covered
 - ☒ < 10 acres disturbance
 - ☒ < 10 miles long
 - ☒ Oil and gas related
 - ☒ Kern and Kings counties
 - ☒ 2005 Amendment for NPR-2

Oil and Gas Programmatic Biological Opinion

- Valid until 2016
 - ☒ Stay below limits for acres disturbed
 - ☒ Provide reports to FWS
 - ☒ Meet annually with FWS
 - ☒ Make changes as necessary
 - ☒ Comply with program

2016					
September					

Oil and Gas Programmatic Biological Opinion

- Pre-determined survey, mitigation, monitoring and compensation criteria
- Requirements vary depending on role of area in conservation strategy



Receive Application

- Review in Field
- Relocate ~ Avoid Impacts







Apply Programmatic

- APD & Sundry – Gabe
- Geophysical – Larry
- R/W – Amy

- Quantify Habitat Impact
- Survey, Mitigation, Monitoring
- Project Components



Biological Consultants

Sensitive Species Review Form
BLM Oil and Gas Programmatic Biological Opinion (1-1-99-P30)

Project Name: New Energy/Tech Operating Co. Charlotte Campbell/Risk Corvix

Project Location: Moffitt, Nevada

Survey Date: 10/15/2001

Survey Time: 11:15

Survey Method: Visual

Survey Area: Valley/Saltmarsh/Desert - all within 100 ft hills or at base of hills

Survey Results: No sensitive species observed. No habitat. No observed/likely birds.

Notes: Sheep have been there very recently. No burrows seen. Annual veg has not germinated yet. Mammals are almost sparse.

Form Report
CX or Form EA
Most Sundry & APD

BRC - Bio Resources Consulting
Biological Sciences - Inventory, Permitting, and Planning

Date: August 9, 2000

To: Mr. John Seymour, Chevron USA Production Company

From: Mr. Mc Seymour

Subject: Biological survey findings for a proposed Chevron USA Production Company (CUSA) project.

Summary: The purpose of this letter is to briefly report biological survey findings for a proposed Chevron USA Production Company (CUSA) project and make recommendations regarding the potential for "take" of any state- or federal-listed species during the project.

Key Findings: The proposed project consists of installation of a heated 14-inch water pipeline between Chevron Pipe Line Company's Lockers Pumping Station and CUSA's 11X Water Plant. Two potential routes were surveyed. The northern route would total approximately 6 miles. The southern route would total approximately 2.5 miles. Both routes would utilize an existing parcel road from the Lockers Pump Station to State Highway 58.

Species Observed: Blue-winged Teal, San Joaquin antelope squirrel, San Joaquin kit fox, San Joaquin woodrat, giant kangaroo rat, Kern mallow, Kern silphium, Kern woodrat, San Joaquin woodrat, California ground squirrel, California pocket mouse, and San Joaquin woodrat.

Detailed Report
Standard EA
Most R/W & Geophysical

 Consultant Resume on File
 Signed by Biologist

Project Name: Oxy Thunderball Gas Pipeline Case File/Lease/Serial Number: CA43746
Applicant: Occidental of Elk Hills
Oil and Gas Programmatic Zone: Red and Green Date: 19 March 2002

San Joaquin Valley Oil and Gas Programmatic Opinion
Applicable Provisions

General Guidelines for Conserving Habitat and Minimizing Project Impacts

Habitat disturbance will be minimized and conducted in a manner that reduces, as much as possible, the potential for take of individuals of a listed species. Existing roads and routes of travel will be used, to the greatest extent practicable. Natural drainage patterns will be maintained to the greatest extent practicable.

Large draws and drainages with saltbush will be avoided to the greatest extent practicable.

The area of disturbance will be reduced to the smallest practical area, considering topography, placement of facilities, location of burrows, nesting sites or dens, public health and safety, and other limiting factors.

Work area boundaries will be delineated with flagging, temporary fencing or other marking to minimize surface disturbance associated with vehicle straying.

To the extent practicable, previously disturbed areas will be used to stockpile excavated materials, storage of equipment, digging of slurry and borrow pits, locations of trailers, parking of vehicles, and other surface-disturbing actions.

All oil spills will be contained closest to the source site as possible. The Service will be notified within 48 hours of any oil spill.

The use of all terrain vehicles (ATVs) will be considered for projects that require cross-country travel (such as project survey staking, geophone placement and retrieval).

Project employees will be directed to exercise caution when commuting within listed species habitats. T&C¹ The speed limit on unpaved roads not maintained by the county, shall be a maximum of 20 MPH², in order to minimize wildlife casualties.

Cross-country travel by vehicles is prohibited, unless specifically authorized by BLM for the project.

Project employees will be provided with written guidance governing vehicle use restrictions, speed limits on unpaved roads, and fire prevention and hazards.

A worker education program will be conducted for all employees working on the project sites in listed species habitats. The education program will include identification of listed species and their habitats, project mitigation measures and stipulations, reporting requirements, and penalties for failure of compliance.

T&C All spills of hazardous materials within endangered species habitats shall be cleaned up immediately.

Actions during evening hours when some listed species are active and vulnerable to vehicle or equipment-induced injury or mortality will be minimized.

Trash and food items will be contained in closed containers and removed daily.

¹ T&C = term and condition from the September 28, 2001 Biological Opinion.
CR = conservation recommendation from the September 28, 2001 Biological Opinion.

² Redline = change from July 17, 1996 Biological Opinion



August 23, 2000

14" Fresh Water Pipeline
Lokern Area
Serial Number CA 42020

MS. AMY KURITSUBO
BUREAU OF LAND MANAGEMENT
3801 PEGASUS DRIVE
BAKERSFIELD, CA 93308

Dear Ms. Kuritsubo:

Chevron agrees to implement the mitigation measures specified in the San Joaquin Valley Oil and Gas Programmatic Opinion, Applicable Provisions, during construction of the subject pipeline. We will compensate for impacts to previously undisturbed habitat at 3:1 for permanent impacts and 1:1:1 for temporary impacts. Chevron will conduct a post-construction survey to make a final determination of impacted habitat and will provide acreage compensation using conservation credits established for our Lokern HCP.

Please advise me if there are any other requirements from your agency that we would need to comply with.

Thank you for your help in this matter. Should you have any questions or require additional information, please contact me at 633-4447.

Very truly yours,

Matt Leong
Environmental & Safety Engineer

cc: Mr. John Seymour, Chevron USA
Ms. Randi McCormick, Bio Resources Consulting



Customized provisions

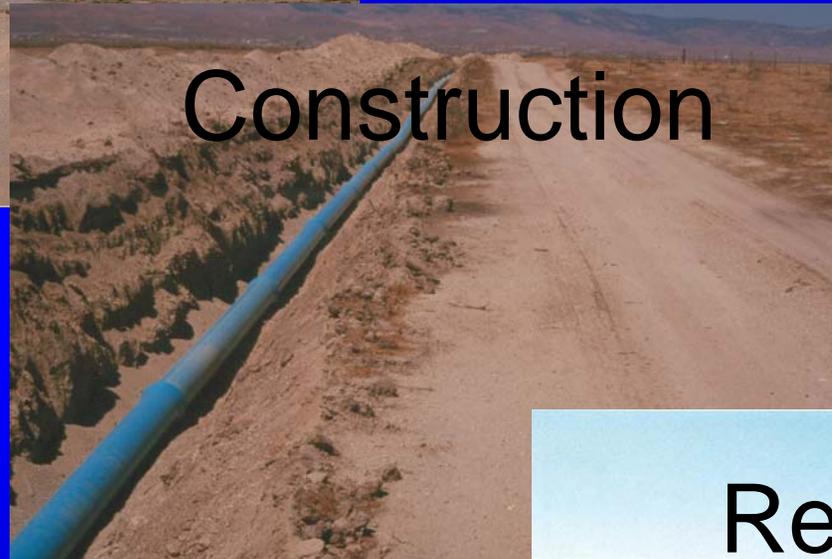
Concurrence letter

Pre-Construction



- Company Representative
- Biological Monitor
- Compensation Arrangements

Construction



Restoration



Oil and Gas Programmatic Biological Opinion

After Construction

- Post construction report
- Revisions to disturbance estimates
- Confirmation of compensation dedication
- BLM submits annual report to FWS

State Wildlife Laws

California Endangered Species Act

Programmatic provides CESA compliance for

- San Joaquin kit fox
- Giant kangaroo rat
- Tipton kangaroo rat



State Wildlife Laws

California Endangered Species Act

- Does not cover
San Joaquin
Antelope Squirrel



- BLM can provide “No Take” measures

State Wildlife Laws

California Endangered Species Act

- Does not cover
 - Blunt-nosed leopard lizard
- Fully Protected Species Act
 - No method to authorize take for projects



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Questions

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Lease Operation and Surface Requirements

Gabe Garcia
Surface Protection Specialist
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661-391-6139

Background

- BLM Multiple Use
- Oil and Gas Leasing
- Our main goal is to try and get the oil/gas out of the ground, while doing as little damage to the environment as possible

Lease Operation

- Disturbed Habitat vs. Undisturbed Habitat
- Minimizing Impacts
- Rehabilitation and Restoration
- Lease Conduct

Disturbed Habitat
vs.
Undisturbed Habitat

Disturbed Habitat



- Previously Disturbed lands such as existing road and well pads.
- No Biological Opinion or section 7 consultation required. (except in rare cases where T&E species are on disturbed surface)
- BLM Field Inspection performed by Surface Protection Specialist. (SPS)

Undisturbed Habitat



- Programmatic or Section 7 Consultation Required
- Inspection by BLM (SPS) and company consultant
- Compensation Required

Ways to Minimize Impacts

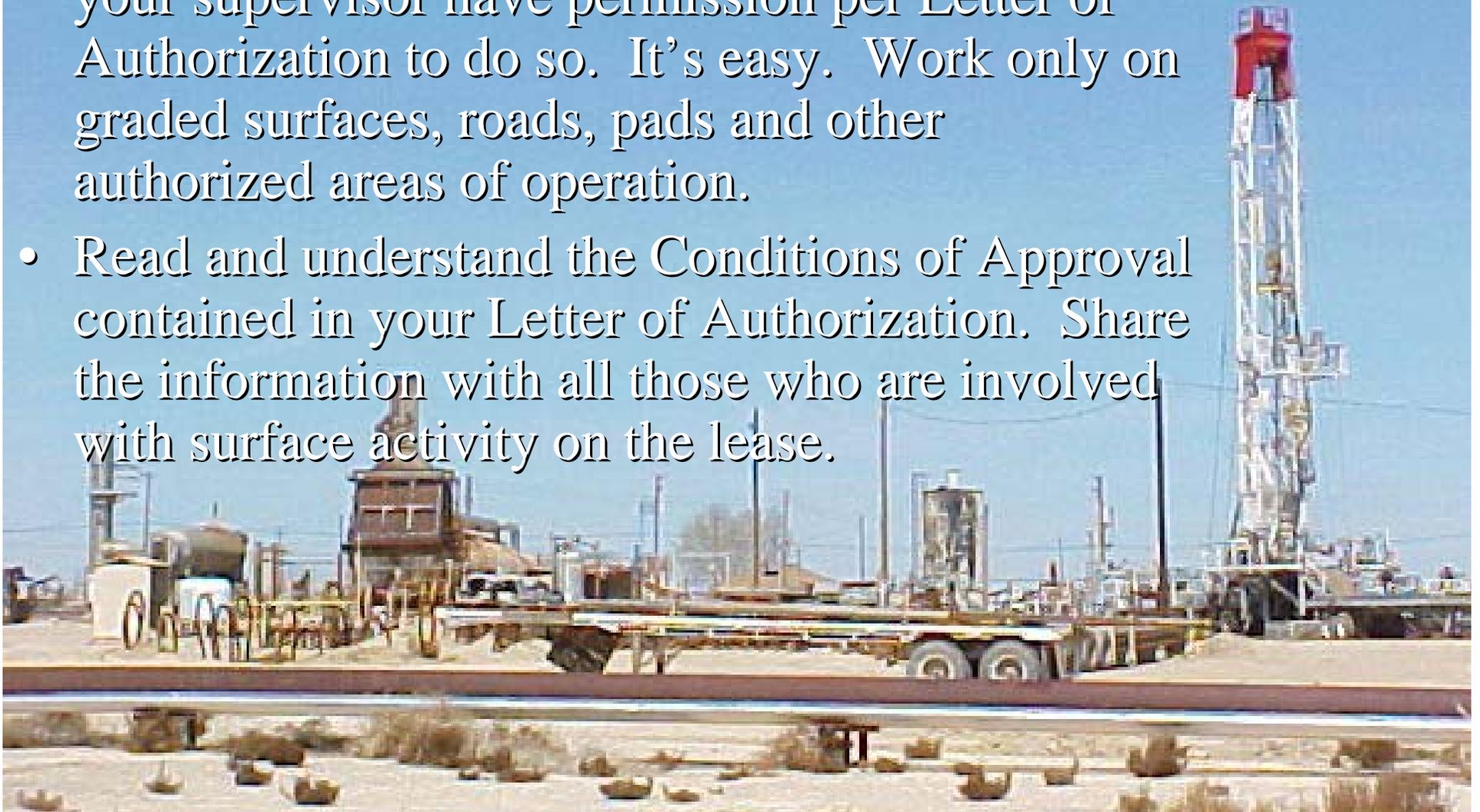
- Move well(s) to one side of pad
- Rotate orientation of pad
- Reroute pipelines/flowlines
- Locate well(s) on developed surface
- Locate well(s) adjacent to road
- Locate multiple wells on a single well pad.

Operation in Habitat

- It is not always feasible to build on developed surface, so here are some general rules of thumb to help you in the process.

Rules of thumb

- Strive for avoidance of wildlife at all times. Be aware of where you are working and stay out of undeveloped and vegetated areas unless you or your supervisor have permission per Letter of Authorization to do so. It's easy. Work only on graded surfaces, roads, pads and other authorized areas of operation.
- Read and understand the Conditions of Approval contained in your Letter of Authorization. Share the information with all those who are involved with surface activity on the lease.



RULES OF THUMB (cont'd):

- It is important for lessee to have a single contact person for all surface issues concerning your federal leases. Value of a good and steady contact person cannot be overstated. It helps prevent confusion and potential mistakes.
- Again, be aware of where you are on the leasehold. Stay out of undeveloped areas unless you have authorization. Read and understand the Conditions of Approval contained in your authorization.

Rehabilitation and Restoration



Techniques

- Clean-up
- Rip
- Recontour
- Reseed
- Barricade
- Camouflage



Lease Conduct

- Accidents do occur
- Take all measures to protect against them.
- Report to the appropriate personnel



Sumps

- Keep sumps adequately netted/grated/ fenced
- Prevent Entrapment Hazards



Misc. Leaks

- Fix all leaks, no matter what the size
- Stuffing box
- Pipelines
- Tanks
- Equipment



Buckets

- If you use buckets as part of your day-to-day lease operation, they must be:
- Covered
- Free of Fluid



Cooperation and Coordination

- Makes everyone's jobs easier
- Prevents confusion
- Prevents mistakes

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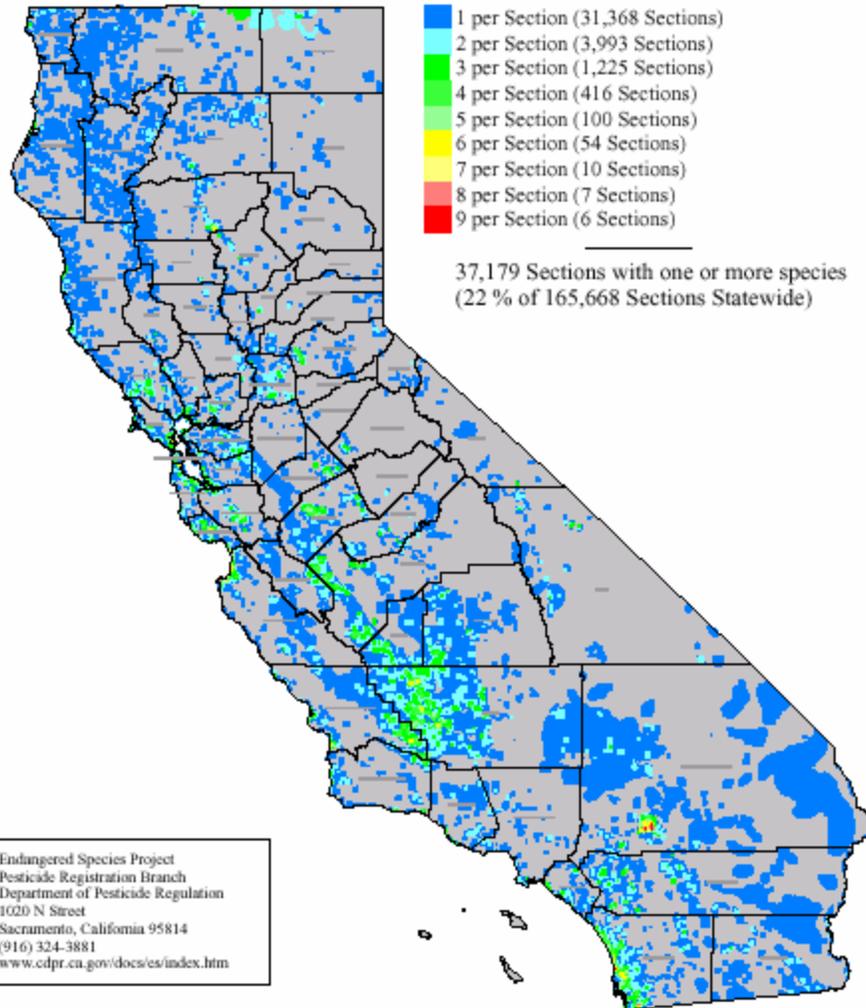
Questions

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**FEDERALLY LISTED
THREATENED OR
ENDANGERED SPECIES**

Federally Listed Species in California

Number of Species* per Section



Endangered Species Project
Pesticide Registration Branch
Department of Pesticide Regulation
1020 N Street
Sacramento, California 95814
(916) 324-3881
www.cdpr.ca.gov/docs/es/index.htm

*Federally Listed Endangered, Threatened, Proposed Endangered, Proposed Threatened and Category 1 Candidate Species per California Department of Fish and Game Natural Diversity Database (August, 1997)

www.cdpr.ca.gov

Bakersfield Cactus



California Jewelflower



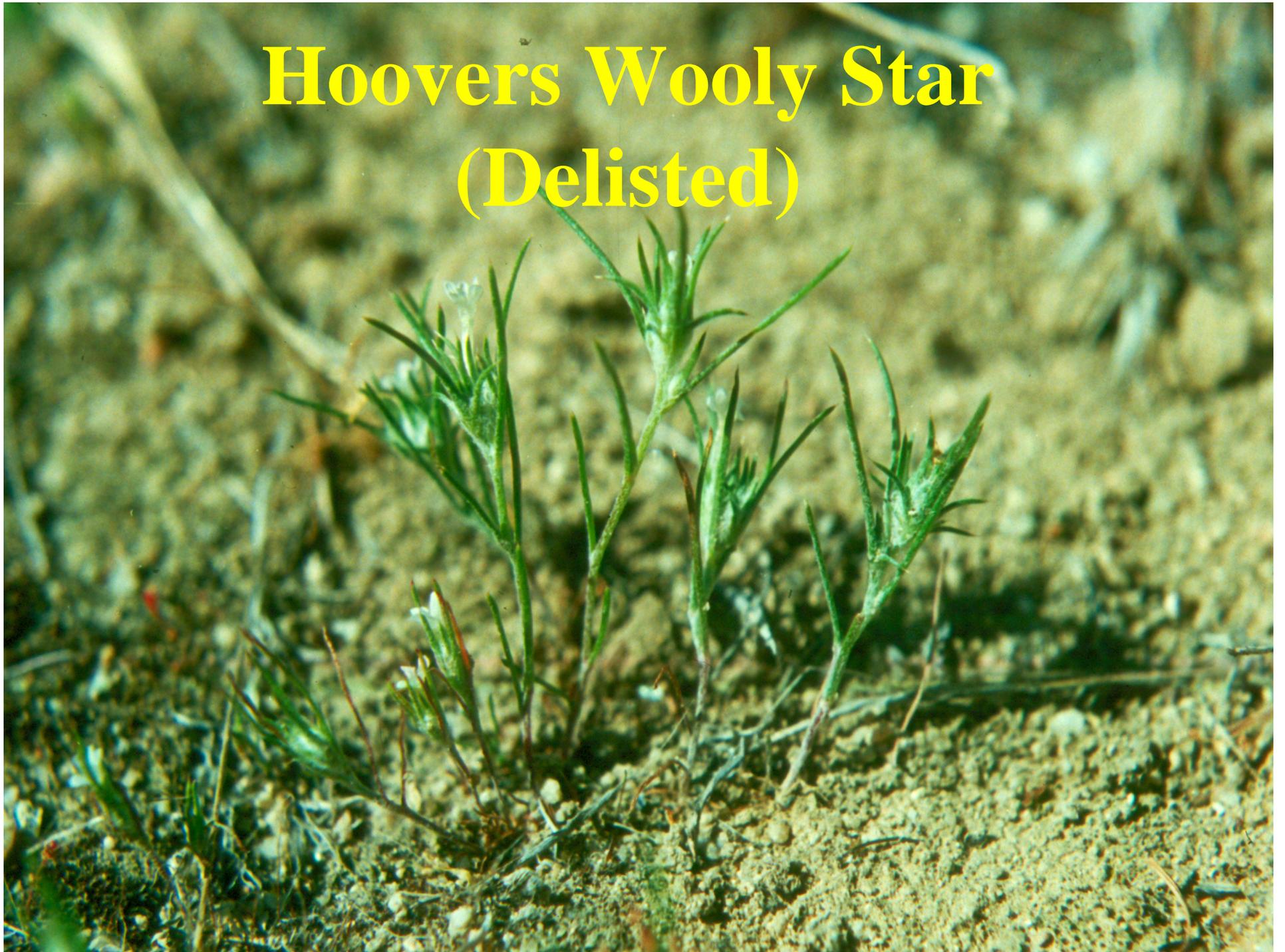


**San Joaquin
Wooly Threads**

Kern Mallow



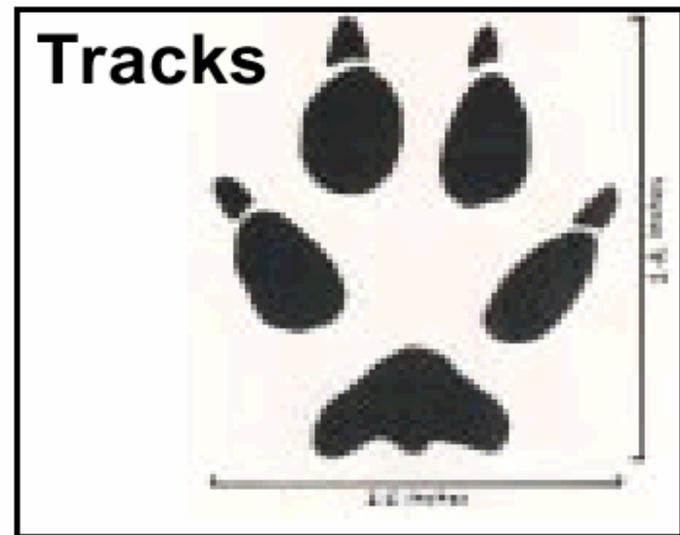
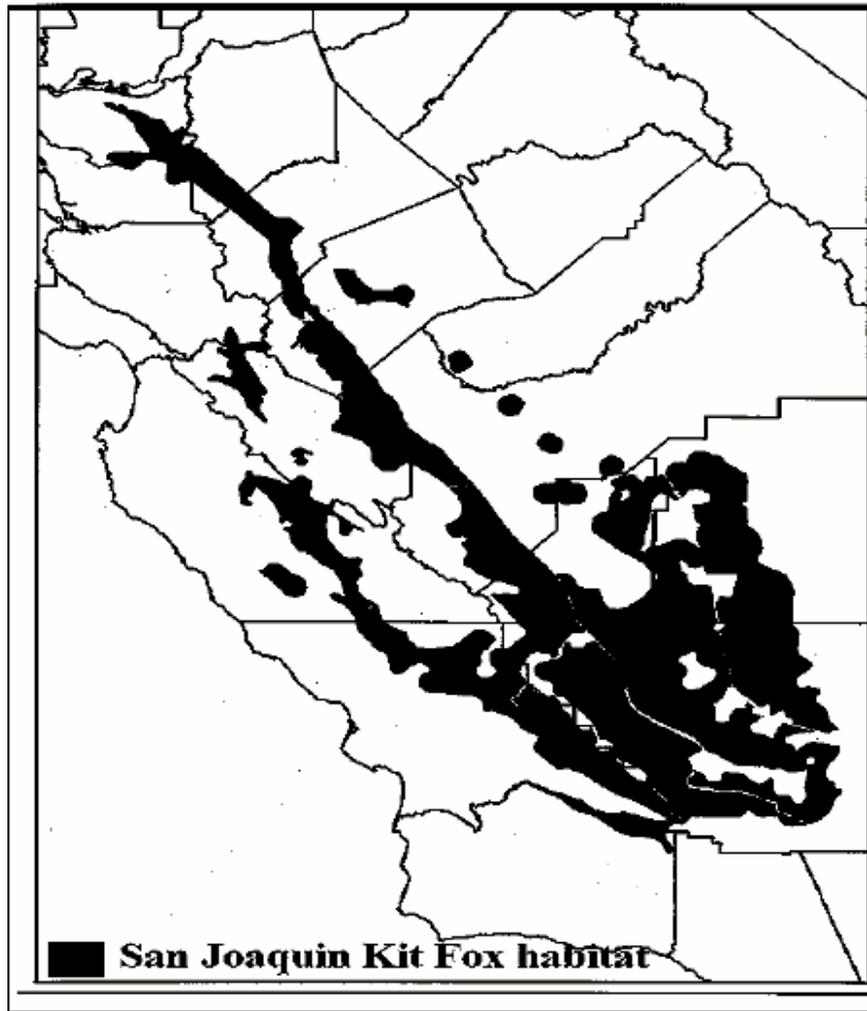
Hoovers Woolly Star (Delisted)



San Joaquin Kit Fox



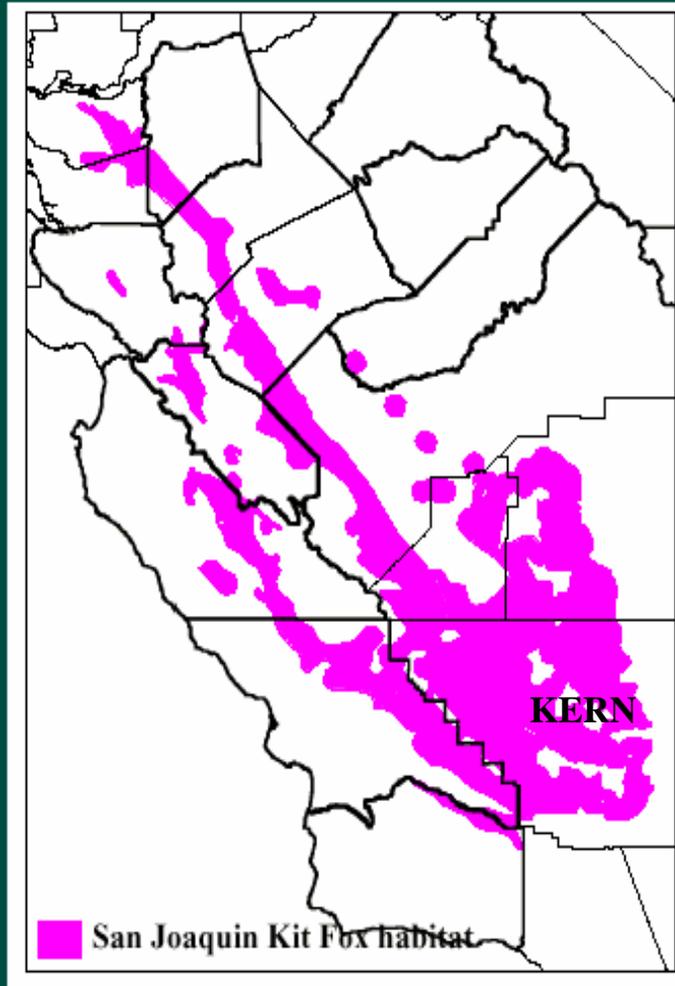
San Joaquin Kit Fox



Biology - Kit Foxes spend most of the day in their soft, sandy burrows and leave hunting for the twilight and nighttime hours. They feed primarily on ground squirrels, kangaroo rats, desert cottontails mice, insects, carrion and ground-nesting birds.

Kit Foxes appear to survive without drinking water, an adaptation to desert conditions, obtaining all their water in the form of preformed and metabolic water from their prey. The foxes are capable of breeding at age one, but may not breed their first year. Reproductive females clean and enlarge natal or

Kit Fox Range (Counties)

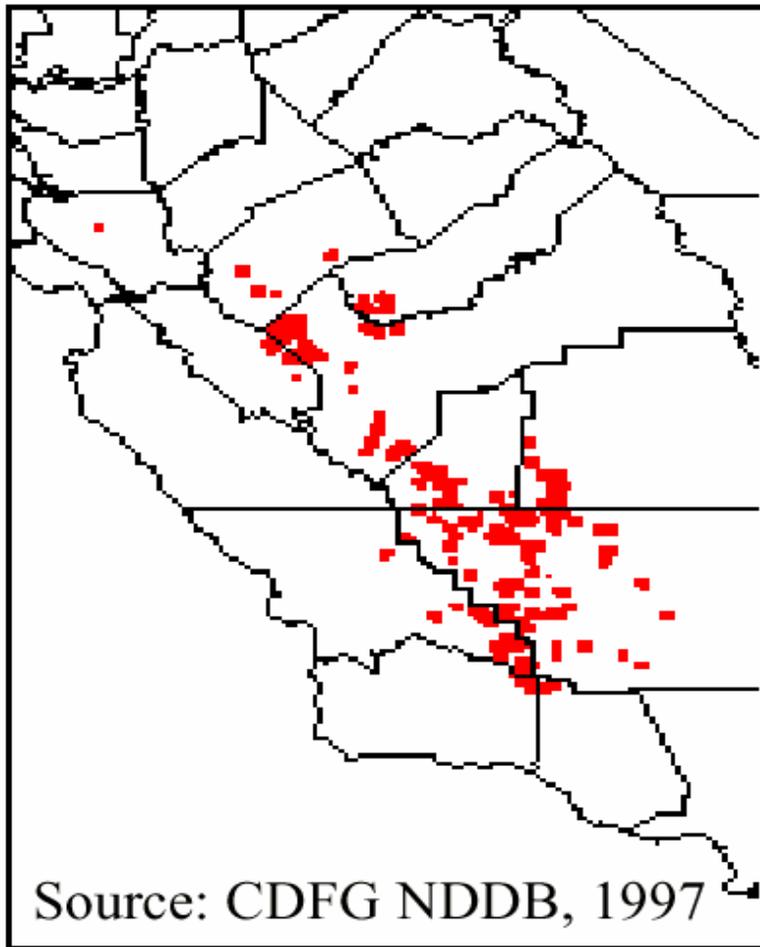


- Northern: Alameda, Contra Costa, San Joaquin.
- Central: Fresno, Kings, Madera, Merced, San Benito, Stanislaus, Tulare.
- Southern: Kern, San Luis Obispo, Santa Barbara, Ventura.

Blunt Nosed Leopard Lizard



Blunt-Nosed Leopard Lizard



Distribution

Blunt-nosed leopard lizards can be found at elevations ranging from 30 m (100 ft) to 790 m (2600 ft) above sea level. The California Department of Fish and Game's Natural Diversity Data Base lists currently occupied habitat in the following Counties: Merced, Madera, Fresno, San Benito, Kings, Tulare, Kern, San Luis Obispo, Santa Barbara, and Ventura.

Behavior

Blunt-nosed leopard lizards are diurnal, active when ambient temperatures reach 25-35 C (77-95 F) and soil temperatures reach 30-50 C (86-122 F). On hotter days they are

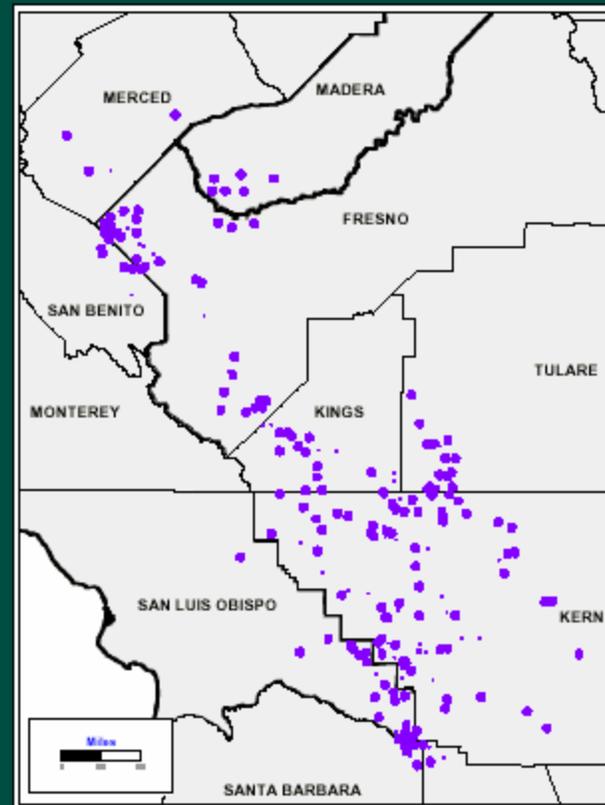
active in the early morning and late afternoon.

Blunt-nosed leopard lizards hibernate in Winter and are active mid-Spring to mid-Fall. After they emerge in March or April, adults remain active until the end of June or July, whereas juveniles hatch in August and remain active into September or October.

Blunt-nosed Leopard Lizard

Currently Occupied Habitat

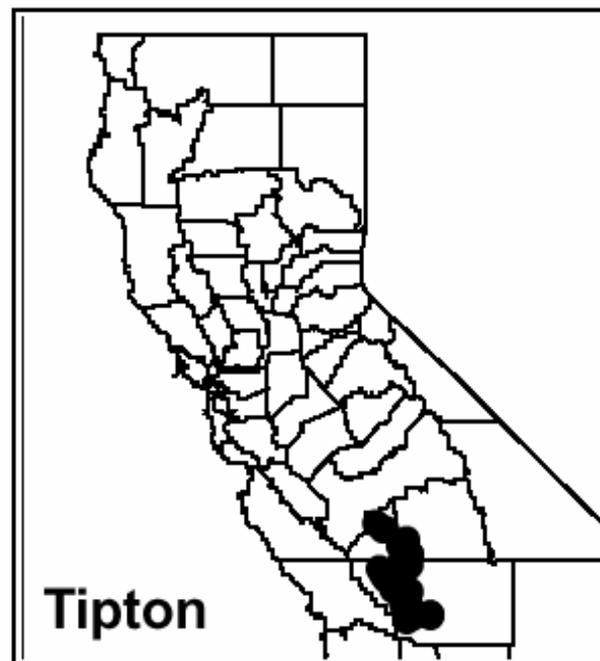
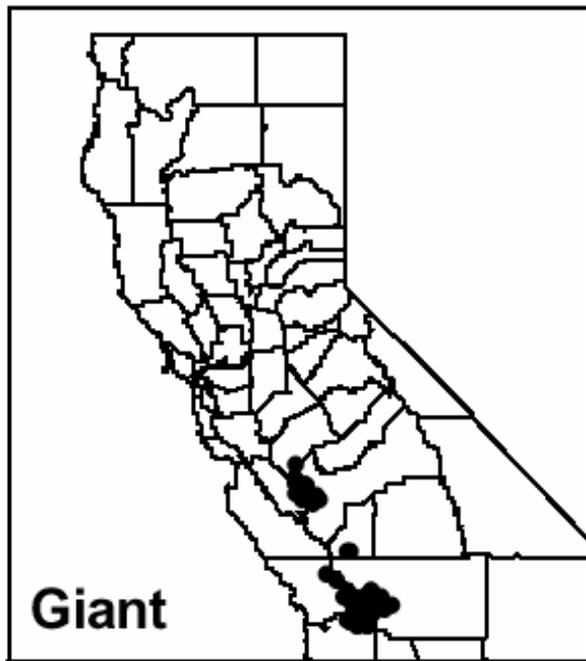
- Preferred habitats:
Alkali flats and sparsely vegetated plains.
- Can be found from 30 to 730 m above sea level (100-2200 feet).
- Counties: Merced, Madera, Fresno, San Benito, Kings, Tulare, Kern, San Luis Obispo, Santa Barbara, Ventura.



Giant Kangaroo Rat



Kangaroo Rats: Biology and Distribution



Distribution

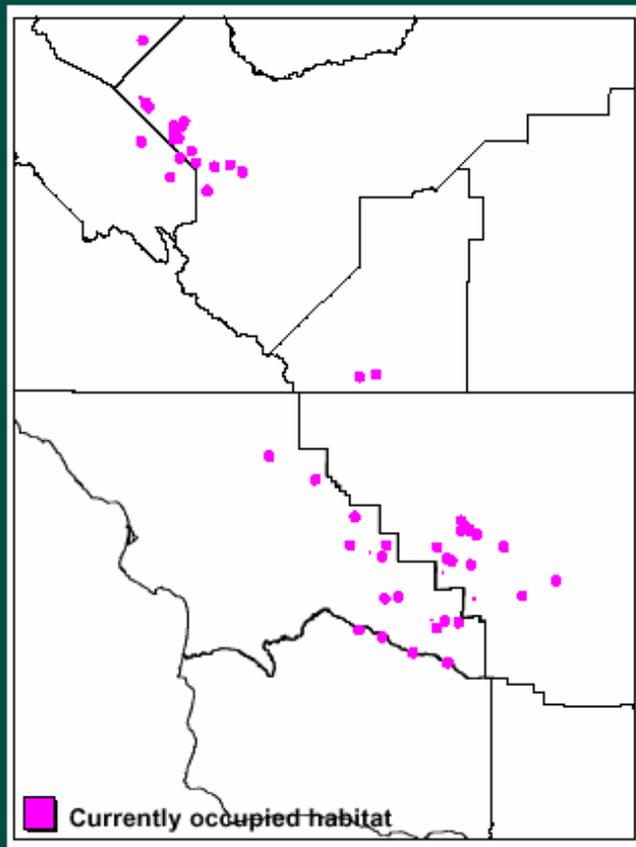
Kangaroo Rats can be found primarily in sparsely vegetated areas where fine soils are the predominant substrate. The Giant Kangaroo Rat is known to occur in Merced, Fresno, San Benito, Kings, Kern, San Luis Obispo, and Santa Barbara counties.

Tipton Kangaroo Rats prefer habitats such as alkali marshes and plains; with scattered woody shrubs. They can be found in parts of Kings, Tulare and Kern counties.

Stephen's Kangaroo Rats prefer coastal sage scrub and open grasslands. Currently occupied habitat can be found in parts of western Riverside and in northern San Diego counties.

Fresno Kangaroo Rats have been described as occupying alkali marsh habitats. Currently occupied habitats are found in southwestern Madera, central Fresno, and northern Kings counties.

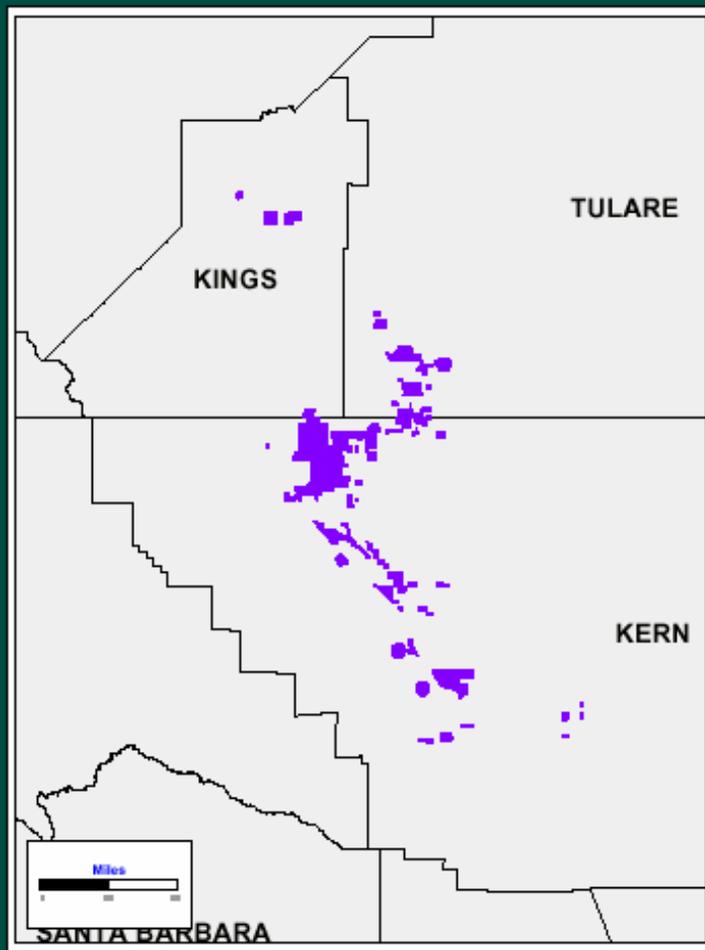
Giant Kangaroo Rat Range



- Currently occupied habitat amounts to only 2% of its former range.
- Open areas with fine soils in southwestern San Joaquin Valley.
- Counties: Merced, Fresno, San Benito, Kings, Kern, San Luis Obispo, Santa Barbara

Tipton Kangaroo Rat

Currently Occupied Habitat



- Preferred Habitats: Alkali Marshes and Plains. Scattered woody shrubs (i.e., salt bush).
- They prefer elevated terrain for burrows (road berms, canal banks and railroad beds).
- Counties: Kings, Tulare, Kern.

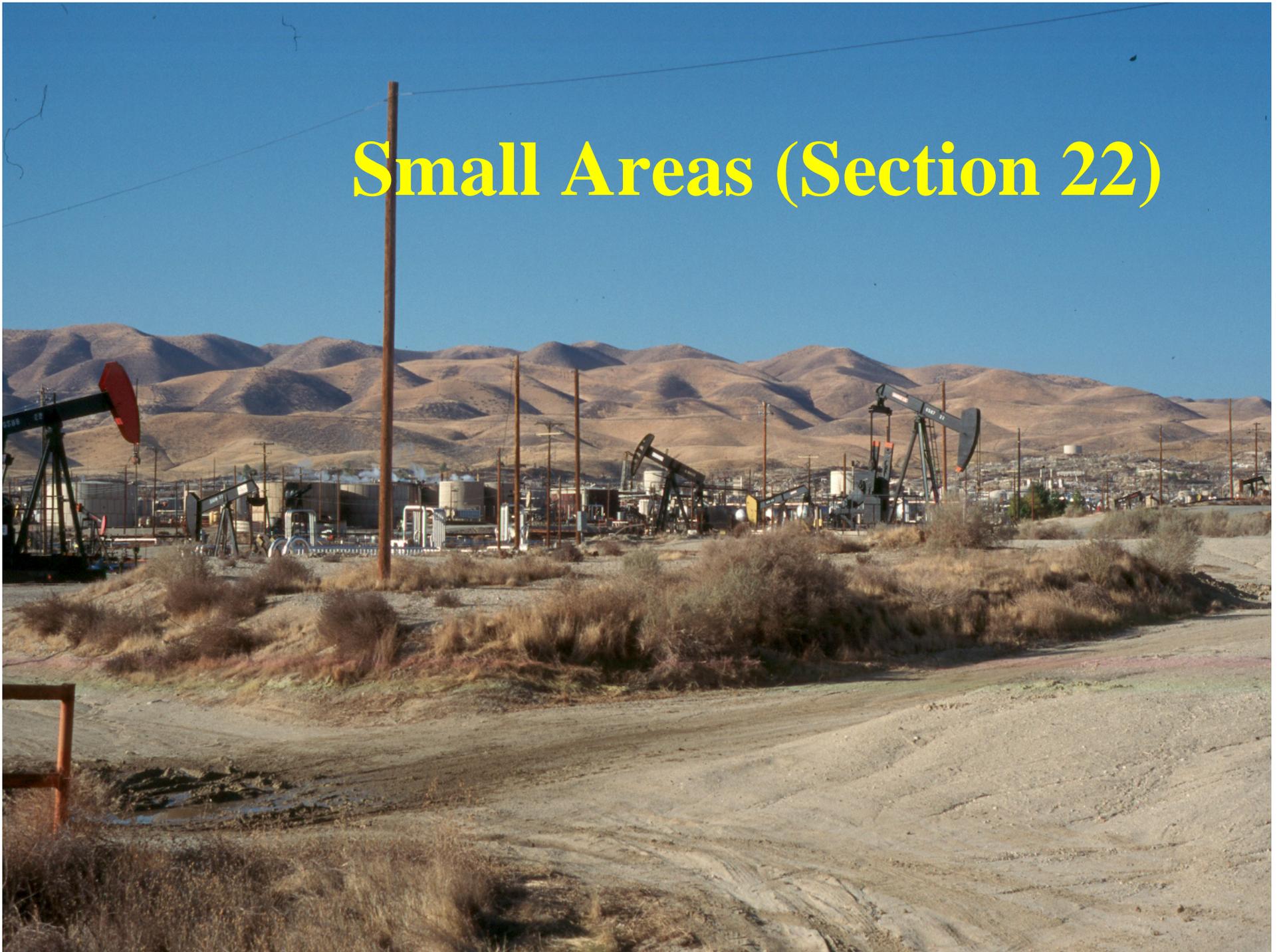
A photograph of two California Condors in flight against a clear blue sky. The birds are shown from a low angle, with their wings spread wide, revealing the dark feathers on the underside and the lighter feathers on the top. The condor in the upper left is slightly higher and further away than the one in the lower right. The text 'California Condor' is overlaid in the bottom left corner in a blue, serif font.

**California
Condor**

Endangered Species Habitat (Section 22)



Small Areas (Section 22)

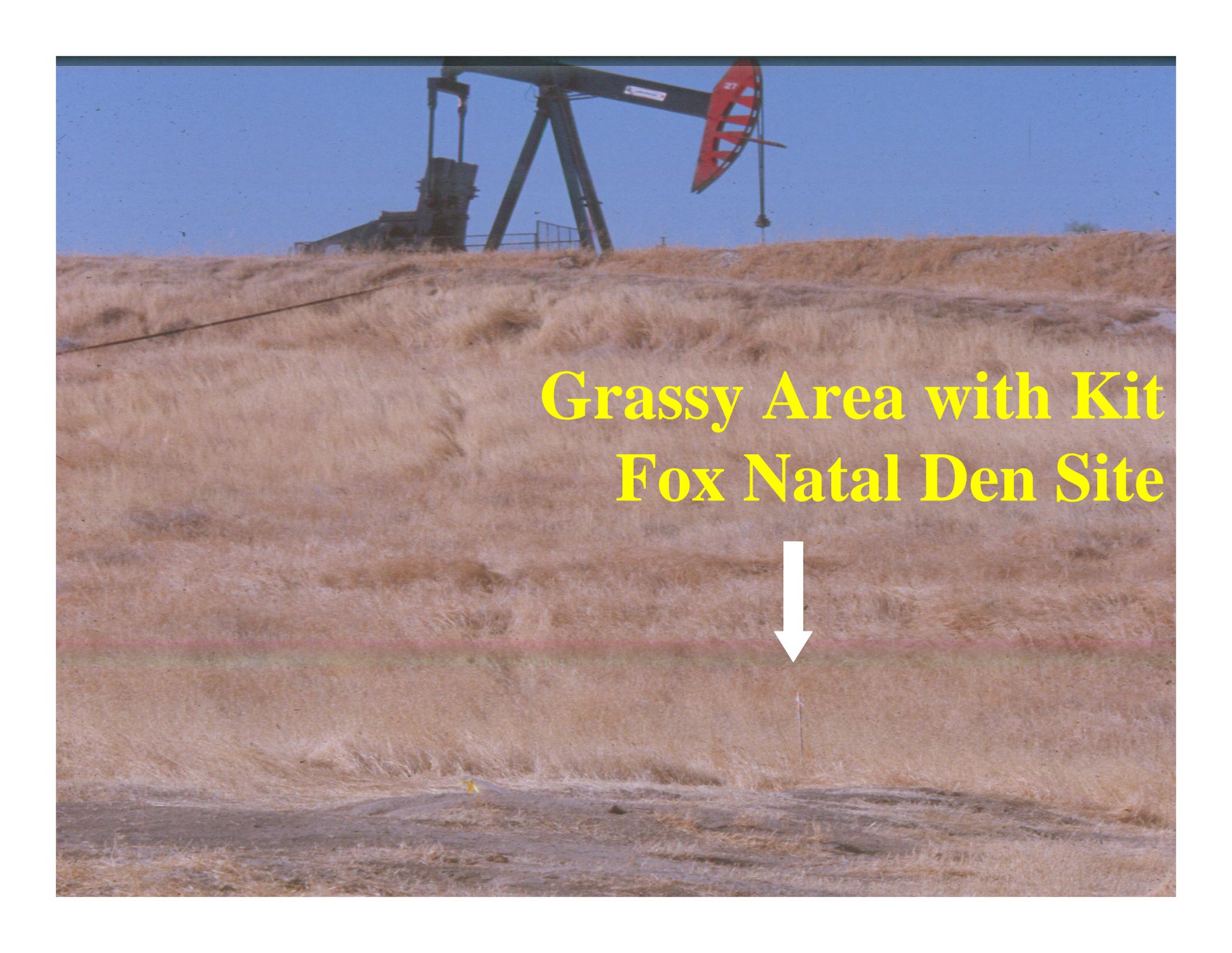




Potential Kit Fox Burrows

**Don't Drive Across Grassy
Areas!**



A photograph of a grassy field with an oil pumpjack in the background. The pumpjack is black with a red counterweight. The field is covered in dry, yellowish-brown grass. A white arrow points to a specific spot in the grass, which is identified as a Kit Fox Natal Den Site. The sky is clear and blue.

**Grassy Area with Kit
Fox Natal Den Site**





Routine Oilfield Work

Routine Oilfield Work



Routine Oilfield Work



Thank you
from BLM & all the Critters



??? Questions **???**

Additional Post-Permit Actions

Inspection and Enforcement Staff, Areas of Responsibility, General Compliance

George Garcia
Inspection and Enforcement Supervisor
ggarcia@ca.blm.gov
661-391-6149

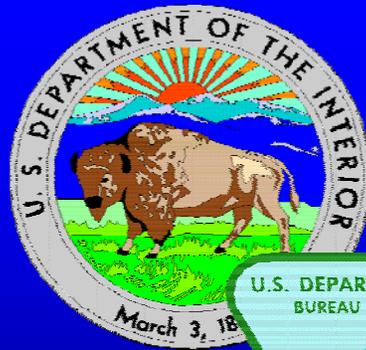
BUREAU OF LAND MANAGEMENT

Inspection and Enforcement



Inspection & Enforcement

History



Role of the Inspectors

To ensure compliance by lessees and operators with the various regulations applicable to oil and gas operations on Federal lands by inspecting operations and documenting violations.



Inspectors and assignments

<u>Inspectors</u>	<u>Office phone</u>	<u>County & Fields of Inspection</u>
George Garcia Supervisor 1690	(661) 391-6149	
Glen Garnand Area #1	(661) 391-6178	Kern - Midway-Sunset – Buena Vista Hills/Edison Fresno - Coalinga/Jacallitos/Pleasant Valley LA - Placerita/AlisoCanyon/Sawtelle San Luis Obispo - Midway-Sunset
Jennifer Shives Area #2	(661) 391-6047	Kern - Midway-Sunset/Poso/Mt. Poso/BVH Ventura - Sespe Kings - Kettleman Middle Dome Fresno - Kettleman North Dome San Benito - Vallecitos LA - Placerita
Rod Sparks Area #3	(661) 391-6135	Kern - Lost Hills/McKittrick/Belgian Anticline/ Asphalto/Chico Martinez/Semitropic Kings - Kettleman North Dome Fresno - Kettleman North Dome Sacramento - Decker Island/Rio Vista Solano - Rio Vista/Maine Praire Contra Costa - Dutch Slough/River Break Gas Sutter - Tisdale East Glenn - Malton Black San Joaquin - Vernalis

Inspectors and assignments (cont'd)

<u>Inspectors</u>	<u>Office phone</u>	<u>County & Fields of Inspection</u>
Kevin Coodey Area #4	(661) 391-6051	Kern - Midway-Sunset/Buena Vista/Kern Front/Capitola Park/ Cienega Canyon/Wheeler Ridge/ South Cuyama/Russell Ranch Santa Barbara - Cat Canyon/ Ventura - Silverthread/SouthMountain San Luis Obispo - Russell Ranch/Morales Canyon
Vacant Inspector Area #5	(661) 391-6010	Kern - Kern River/Kern Bluff/ Kern Front/Round Mountain/ Edison/Ant Hill Los Angeles - Castaic Hills/Tapia /Oak Canyon/Long Beach Riverside - Prado Corona Monterey - San Ardo

Inspection and Enforcement Responsibilities

- Protection of Federal Mineral interest
- Protection of surface and subsurface environment
- Proper production accountability/royalties
- Protection of public health and safety

Authority

- ▶ Authorized Officer - Assistant Field Manager for Minerals (AFM)
- ▶ Authorized Representatives – any BLM representative AFM delegates authority to
- ▶ Mineral Leasing Act 1920
- ▶ Federal Oil and Gas Royalty Management Act (FOGRMA) 1982
- ▶ Code of Federal Regulations (43 CFR)

Onshore Orders

→ #1- Approval of Operations

→ #2- Drilling Operations

→ #3- Site Security

→ #4- Measurement of Oil

→ #5- Measurement of Gas

→ #6- Hydrogen Sulfide
Operations

→ #7- Disposal of
Produced Water

Inspection and Enforcement main telephone contact lines

(661) 391-6130

Emergencies/ Same day witness
24 hr answering service

(661) 391-6151

Witnessing (Messages)

Operator



Example of Royalty Realized from: Major Operator X

BIG Lease Y

$$\begin{array}{rclcl} 240,000 \text{ bbls./Mo.} & \times & \$55.00/\text{bbl.} & = & \$13,200,000 \text{ /Mo.} \\ \$13,200,000 \text{ /Mo.} & \times & 12.5\% & = & \$ 1,650,000/\text{Mo.} \\ & & & & \\ & & \$1,650,000/2 & = & \underline{\$825,000} \\ & & & & \text{per month Fed. *} \end{array}$$

*All royalties split 50:50 with the State.

How do we Protect Resource/Public?

- Spill Reporting and Clean Up Guidelines
- Onshore Orders
- Production Accountability Reviews
- Safety on Drilling Rigs
- Site Security
- Written Orders
- Incidents of Non-Compliance

Only You!

Can help us maintain the quality of the environment and accountability of royalties on Public Lands and Minerals.



Presenters

Kent Varvel - Environmental Protection Specialist - Spill Reporting and Clean-up guidelines

Richard Graham - Physical Science Technician - Onshore Orders

Jennifer Shives - Inspector - Production Accountability Review

Rod Sparks – Inspector - Safety on drilling rigs, BOPE's and H2S

Kevin Coodey - Inspector - Site security on sales tanks and LACT units

Glen Garnand - Inspector– Compliance process

Spill Reporting

Kent Varvel

Environmental Protection Specialist

kvarvel@ca.blm.gov

661-391-6138

Incident Reporting Requirements on BLM Lands

Class I - Major Undesirable Event (UE)

Requirement

- Spill of 100 bbls or more of oil and/or water if not contained on a developed surface
- Any spill, venting or fire in a sensitive area such as a water way, urban area or in wildlife habitat
- Equipment failures or accidents that release 500 MCF or more of gas
- Any fire that consumes 100 bbl or more of oil, or 500 MCF or more of gas
- Each fatal injury
- Every blowout (loss of control of any well)
- Any release of reportable quantities of hazardous substances

Call BLM
immediately and fax a
written report within
15 days

BLM 24hr call number 661-391-6130

BLM Fax number 661-391-6156

Incident Reporting Requirements on BLM Lands

Class II - Other than Major UE

Requirement

- Spills of 100 bbls or more of oil and/or water if contained on a developed surface
- Any spill between 10 bbl and 100 bbl of oil and/or water and on a developed surface
- Equipment failures or accidents that release between 50 and 500 MCF of gas
- Any fire that consumes from 10 to 100 bbls of oil, or 50 to 500 MCF of gas
- Each major or life threatening injury

No Phone call required*

Fax a written report within 15 days

BLM Fax number 661-391-6156

* = A courtesy call to the BLM is appreciated

Class 1 Events Requiring Immediate Notification

1. Wildlife and urban parks
2. Designated natural areas
3. Wildlife refuges
4. Urban and suburban areas such as: homes, offices, shops
5. Schools
6. Farms
7. Ephemeral or dry drainages
8. Tributaries with or without standing or flowing water
9. Actual or potential wildlife habitat

Well Blowout



Oil covering the developed well pads and machinery and also on the only wildlife habitat around, <10 barrels, wildlife habitat affected, Class 1 Event – immediately notify BLM.

Pipeline Leak



Flow of the spill down an undeveloped surface ephemeral drainage with wildlife habitat, >10 barrels, down an ephemeral drainage and wildlife habitat, Class 1 Event – immediately notify BLM.

Pipeline Leak



Class 1 Event, dam construction, Hot water flush, and bell hole vacuum truck recovery on undeveloped surface under the direction of LEA and BLM.

Tank Farm Spill

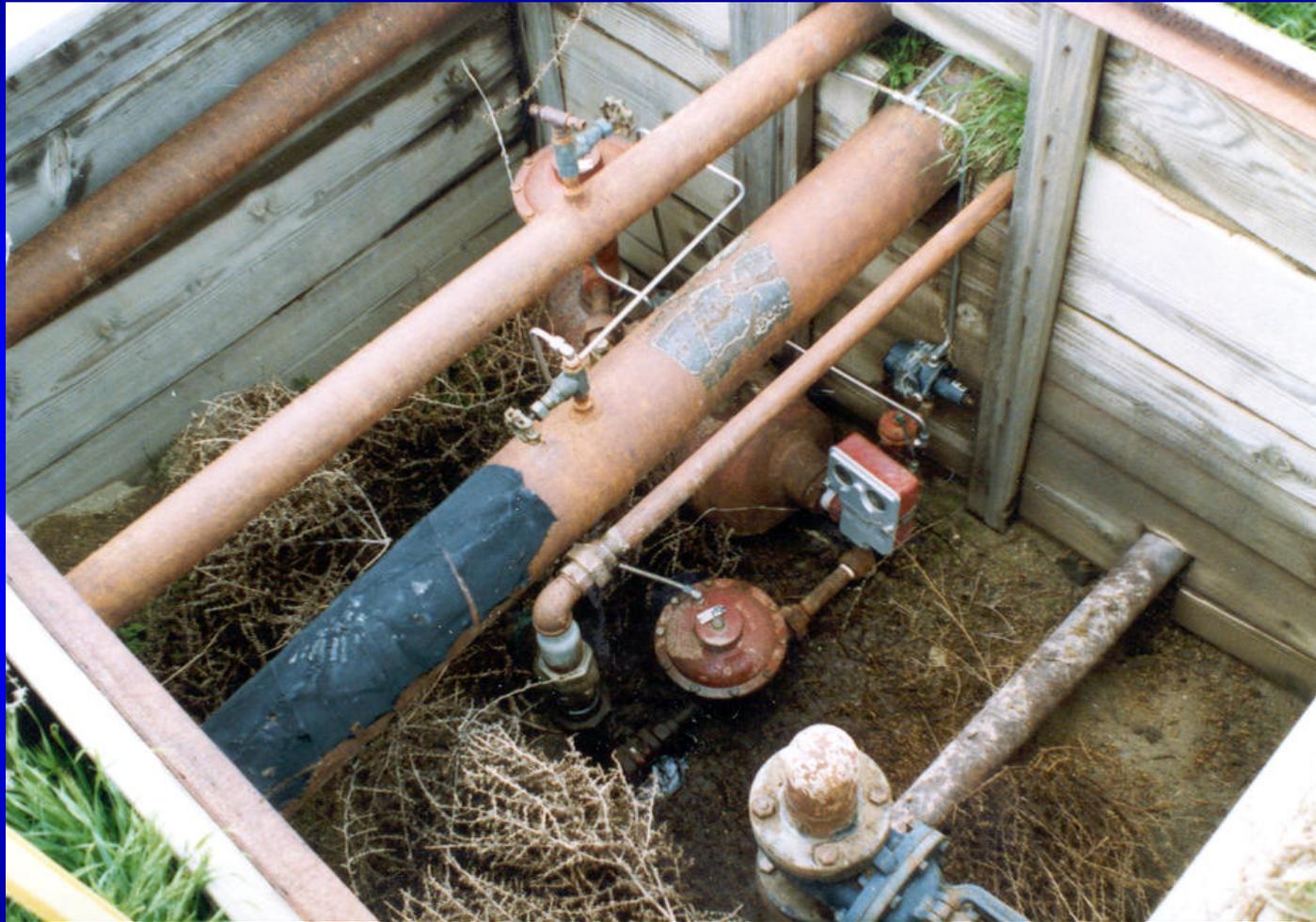


On developed surface, >100 barrels, not contained, Class 1 Event – notify BLM immediately

Other Class 1 Events Requiring Immediate Notification

- Release of any Reportable Quantities of Hazardous Materials
- Release of any quantity of a hydrocarbon liquid of 45 API gravity or higher

Gas Condensate Pipeline Leak



Condensate recovery station below ground surface, spill of a reportable quantity of a flammable hazardous material, Class 1 Event – immediately notify BLM and the local LEA.

Gas Condensate Pipeline Leak



Leak of gas condensate directly into the ground, spill of a reportable quantity of a flammable hazardous material, Class 1 Event – immediately notify BLM and the local LEA.

Class 2 Events Requiring Written Report Within 15 days Developed Surfaces

- Roads
- Tank batteries
- Well pads
- Compressor pads
- Other barren compacted work surfaces

Tank Farm Spill



On developed surface, >100 barrels, contained by facility berm, Class 2 Event.

Pipeline Leak



Leak or blow out of a flow line >10 barrels and < 100 barrels on developed surface – Class 2 Event.

Blowout, Flowline Leak



Surface flow on developed surface, < 10 barrels – no notification required.

BLM 24 Hour Telephone Number
1-661-391-6130

OES 24 Hour Reporting Number
1-800-852-7550

???

Questions

???

Onshore Orders & Internet Access

Richard Graham

Physical Science Technician

rgraham@ca.blm.gov

661-391-6152

Publications

43 CFR Part 1000 to end

- Can be ordered from bookstores or the Government Printing Office online.
- Price is around \$70.00 for a paperback.
- Can be purchased in a CD Rom format online :
http://www.smartpdf.com/products/item_28041.htm
- Price around \$49.00

43 CFR Public Lands:Interior - Microsoft Internet Explorer

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Item 28041

Title: 43 CFR Public Lands: Interior

Date: October 1, 2005

Price: \$49.00/ each

Format: CD-ROM

Title 43 - PUBLIC LANDS: INTERIOR is composed of two volumes. Volume one (parts 1-999) contains all current regulations issued under subtitle A - Office of the Secretary of the Interior and chapter I - Bureau of Reclamation, Department of the Interior. Volume two (part 1000 to End) includes all regulations issued under chapter II - Bureau of Land Management, Department of the Interior, and Chapter III - Utah Reclamation Mitigation and Conservation Commission. The contents of these volumes represent all current regulations codified under this title of the CFR as of October 1, 2006.

[ADD TO CART](#)

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Start | CFR Printed Editions avail... | 43 CFR Public Lands: Inte... | 43 CFR Public Lands:I... | Microsoft PowerPoint - [... | Adobe Photoshop | 9:00 AM

Publications

Onshore Orders #1 - #7

- Available online from many sources
- Price: Free downloads from the internet

Onshore Orders

Divided into two major and four minor groups

- The first is a general guideline as specified in 43 CFR 3160
- The second are specific guidelines as noted in the Onshore Orders #1 thru #7

Onshore Order Sub-grouping

- Introduction – purpose
- Definitions
- Requirements – violations, this is where \$\$\$ fees are set. (major/minor)
- Variances from minimum standards

Onshore Orders

- **Order #1**
Approval of Operations
- **Order #2**
Drilling Operations
- **Order #3**
Site Security
- **Order #4**
Measurement of Oil
- **Order #5**
Measurement of gas
- **Order #6**
Hydrogen sulfide operations
- **Order #7**
Disposal of produced water

Internet Access

Where to Look!

- BLM Bakersfield Oil & Gas Operations web page at:
<http://www.blm.gov/ca/st/en/fo/bakersfield/Programs/Minerals.html>
- BLM California State Office Oil & Gas web page at:
<http://www.blm.gov/ca/st/en/prog/energy/og.html>
- The Code of Federal Regulations Search page at:
<http://www.gpoaccess.gov/cfr/retrieve.html>
- The BLM Wyoming State Office Energy web page at:
<http://www.blm.gov/wy/st/en/programs/energy.1.html>

Onshore Orders - Google Search - Microsoft Internet Explorer

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Address <http://www.google.com/search?hl=en&q=Onshore+Orders&btnG=Google+Search&safe=active> Go Links

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Onshore Orders Search Advanced Search Preferences

Google SafeSearch is ON

Web Results 1 - 10 of about 1,180,000 for **Onshore Orders** with Safesearch on. (0.07 seconds)

Onshore Operations

Order # 9, Waste Prevention and Beneficial Use of Oil and Gas ... Uniform Format for O&G Lease Stipulations - 43 CFR 3160 - **Onshore** Oil and Gas Operations ...
www.blm.gov/wy/st/en/programs/energy/Oil_and_Gas/Onshore_Operations.html - 20k -
Cached - Similar pages

Onshore Order Number 2

This **Onshore Order** is not intended to circumvent the reporting requirements or compliance aspects that may be stated elsewhere in Existing NTLs, ...
www.blm.gov/nhp/300/wo310/library/ordersntl/order2-linked.html - 61k -
Cached - Similar pages

Onshore Oil & Gas Operating Orders

Onshore Oil and Gas Operating **Orders** ... Order No. 6 - Hydrogen Sulfide Operations ...
Order No. 9 - Waste Prevention and Beneficial Use of Oil and Gas,
www.nm.blm.gov/oil_gas/onshore/onsh_index.html - 2k - Cached - Similar pages

ord7.html

Section 3164.1 thereof specifically authorizes the Director to issues **Onshore** Oil and Gas **Orders** when necessary to implement or supplement the operating ...
www.nm.blm.gov/oil_gas/onshore/ord7.html - 36k - Cached - Similar pages

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Onshore
Get Comprehensive Outsourcing Svc Analysis. Get Free Provider Eval!
Outsource.TechnologyEvaluation.com

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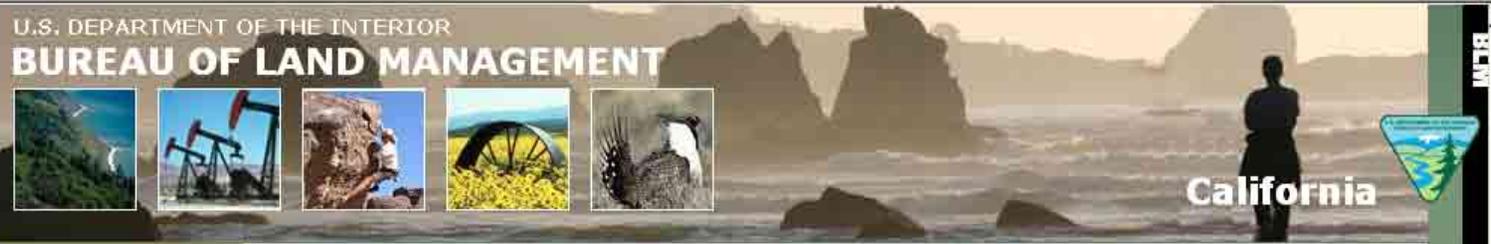
Oil and Gas Operations, Bakersfield Field Office, Bureau of Land Management California - Microsoft Internet Explorer

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Address http://www.blm.gov/ca/st/en/fo/bakersfield/Programs/Minerals/bkfo_minerals.html Go Links

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



California

Search BLM Go

Bakersfield

- Programs
- Information
- Resources

BLM > California > Bakersfield > Programs > Minerals > Energy [Print Page](#)

Oil and Gas Operations

Bureau of Land Management - Bakersfield Field Office

The BLM manages 15 million acres of surface and 47 million acres of mineral estate in California. Every day about 800,000 barrels of oil is produced in California. As a state California is the fourth largest oil producer, only Alaska, Texas, and Louisiana produce more. Considering BLM administered leases nationwide, California BLM is the fourth largest producer. The highest producing federal onshore lease is in California.



Five of the ten most productive oil fields in the United States are in California. Federal leases in California, ranging in size from one well leases, producing only a barrel or two per day, up to a lease with over 1,000 wells producing nearly 10,000 barrels per day. Approximately 7% of the total wells in California are federal wells.

Inspection and Enforcement

BLM technicians are responsible for inspecting field operations, ensuring production accountability, and enforcing safety requirements on over three hundred producing leases and units containing more than 8,000 wells.

Done Local intranet

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Oil and Gas, Bureau of Land Management California - Microsoft Internet Explorer

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U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

California

Search BLM Go

California

- Programs
- Information
- Resources

BLM > California > Energy > Oil & Gas [Print Page](#)

Oil & Gas



Panorama view of Midway-Sunset Oilfield near Taft.

California is the nation's fifth largest producer of oil and gas from federal lands. In 2005, production from BLM public lands totaled nearly 13.5 million barrels of oil, along with 3.3 billion cubic feet of natural gas. Royalties paid to the United States amounted to \$26.7 million for oil and \$4 million for natural gas. Each year, half of all revenues generated are distributed to the State of California.

Most of the oil and gas leasing and development on public lands occur in central California, on lands managed by the BLM's Bakersfield Field Office.

With the approval of the Energy Policy Act in August, 2005, BLM assumed management of the Naval Petroleum Reserve No. 2 (Buena Vista Field) in Kern County from the Department of Energy. Following completion of an update to land use

Oil & Gas

- Leasing
- Permitting
- Contacts
- Forms
- Bond Information
- Regulations, Orders, Notices

In the Spotlight

- March Oil & Gas Lease Sale
- Letter to Operators on New Electronic Flow Computer Standards
- Draft Notice to Operators on New Electronic Flow Computer Standards

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Electronic Code of Federal Regulations (e-CFR)

e-CFR Data is current as of March 28, 2007

TITLE 43--Public Lands: Interior

Subtitle B--REGULATIONS RELATING TO PUBLIC LANDS

CHAPTER II--BUREAU OF LAND MANAGEMENT, DEPARTMENT OF THE INTERIOR

SUBCHAPTER C--MINERALS MANAGEMENT (3000)

PART 3160--ONSHORE OIL AND GAS OPERATIONS

Subpart 3160--ONSHORE OIL AND GAS OPERATIONS: GENERAL

<u>§3160.0-1</u>	Purpose.
<u>§3160.0-2</u>	Policy.
<u>§3160.0-3</u>	Authority.
<u>§3160.0-4</u>	Objective.

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RELATED RESOURCES

- [Code of Federal Regulations](#)
- [Federal Register](#)
- [List of CFR Sections Affected](#)

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Energy - Microsoft Internet Explorer

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Address http://www.blm.gov/wy/st/en/programs/energy.1.html Go Links

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Wyoming

Search BLM Go

BLM > Wyoming > Energy Print Page

Energy

Coal
 BLM Wyoming manages approximately 41 million acres of federal mineral estate, of which 11 million acres is split estate (federal subsurface/non-federal surface). Wyoming routinely leads the nation in production of low-sulfur coal, producing 378 million tons in 2005.

- PRB Coal Lease maps - updated 01/16/07
- PRB Coal Review Task Report 1B available
- Coal & Coalbed Natural Gas Conflict Administration Zone

Coal
Coal FAQ's
Powder River Basin

Oil and gas
 Oil and gas operations on BLM-administered public lands and federal mineral estate in Wyoming produced 29,819,011 barrels of oil and 1,410,476,831 thousand cubic feet of gas generated \$799,217,792 in Federal oil and gas royalties; half went to the State of Wyoming.

- Coal & Coalbed Natural Gas Conflict Administration Zone
- West-wide Energy Corridor Programmatic EIS
- Oil Shale & Tar Sands Leasing Programmatic EIS

Oil and Gas
Leasing
Interactive Lease map
Coalbed Natural Gas
Onshore Operations
Jonah Interagency Office
Powder River Basin IWG

Wyoming

- Programs
 - Energy
 - Fire
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 - Recreation
 - BLM Special Areas
 - Wild Horses
 - More...
- Information
- Resources

Local intranet

Start Energy - Microsoft Int... Microsoft PowerPoint - [...]

8:37 AM

Additional Places to Look

- Where to find the California State search page for the wells by several search formats.
- Where to find the archived Well databases and the Wildcat and Field Maps at the DOGGR FTP site.

Main California Oil and Gas Search Page - Microsoft Internet Explorer

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Address http://opi.consrv.ca.gov/opi/opi.dll/Main?UsrP_ID=100001172 Go Links



Department of
Conservation



Division of
**Oil, Gas, & Geothermal
Resources**

Online Production and Injection Query for State of California, Department of Conservation, Division of Oil, Gas, and Geothermal Resources.

**Note: Information about confidential wells is not available on this website.*

Select Criteria to Search Production or Injection Data [Help](#)

Search By:

- District
- County
- Field
- Operator
- API Number
- Township/Range Section Township N Range E BM
- Preferences
- Home

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California Home Wednesday, March 21, 2007

Welcome to *California*

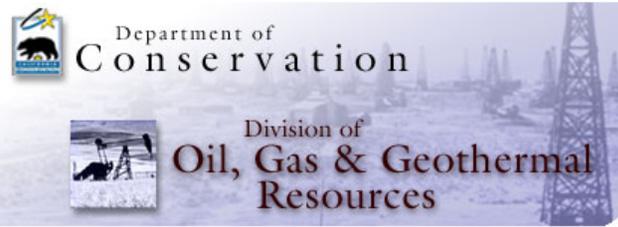
Department of Conservation

Oil & Gas Section

- [Calendar of Events](#)
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- [Production & Injection Data Files \(DBF\)](#)



Department of Conservation



Division of Oil, Gas & Geothermal Resources

The Division oversees the drilling, operation, maintenance, and plugging and abandonment of oil, natural gas, and geothermal wells. The regulatory program emphasizes the wise development of oil, natural gas, and geothermal resources in the state through sound engineering practices that protect the environment, prevent pollution, and ensure public safety.

- 2006 Preliminary Annual Report Released**

The 2006 Preliminary Annual Report of California oil and gas production (based on ten months of data) is posted on the Internet. [Click here](#) to view/download.
- DOGGR Releases Updated California Code of Regulations (PRC04)**

This revised edition includes the well abandonment regulations that went into effect on August 11, 2006. [Click here](#) to view/download.
- DOGGR Releases 2005 Annual Report**

The 2005 Annual Report of the State Oil and Gas Supervisor has been posted on the Internet. Oil and gas production are down slightly from 2004 figures.

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Quick Hits

- [Bonds](#)
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- [Construction-Site Review Program](#)
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- [Picture of a Drill Rig](#)
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that went into effect on August 11, 2000.
[Click here](#) to view/download.

- DOGGR Releases 2005 Annual Report**
The 2005 Annual Report of the State Oil and Gas Supervisor has been posted on the Internet. Oil and gas production are down slightly from 2004 figures.
[Click here](#) to view/download.
- DOGGR Releases Updated Blowout Prevention (BOPE) Manual, M07**
DOGGR's BOPE Manual has been revised and is being reprinted ([click here](#) to access PDF files of the Manual). The Manual serves as a single-source guide to blowout prevention equipment used in oil, gas, and geothermal operations in California.
- What's New**
View the [latest Division news](#) including publications, latest changes to laws and regulations, and other developments.
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[Monthly Map Bulletin](#)
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Oil & Gas Master Title Plats

- On-Line search engine for the Township and Range.
- Select the Base Meridian first.
- Select the Township by North or South.
- Select the Range by East or West.
- Then click the Submit button.

http://www.blm.gov/ca/forms/mtp/search.php?meridian=21 - Microsoft Internet Explorer

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U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT
California

Search for a specific document using the form below.

Please select a Meridian for the choices below:

- Humboldt Meridian
- Mount Diablo Meridian
- San Bernardino Meridian
- Gila and Salt River Meridian

Select from below after selecting a Meridian

Township: 28 <input type="radio"/> 1/2 <input type="radio"/> North <input checked="" type="radio"/> South	Range: 28 <input checked="" type="radio"/> 1/2 <input type="radio"/> East <input type="radio"/> West
---	--

Submit Query Reset

[Miscellaneous Document Index](#)

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U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT
California

Plats in
Mount Diablo Meridian,
T.28S., R.28E. MDM. California.
for
Master Title Plats & Historical Index sheets
(click on filename to view plats)

Filename	Doc Type	Date File Last Modified*
ca210280s0280e0-1001.tif	Master Title Plat	08/29/2005
ca210280s0280e0-2001.tif	Historical Index	09/17/2005
ca210280s0280e0-2002.tif	Historical Index	09/17/2005
ca210280s0280e0-2003.tif	Historical Index	09/17/2005
ca210280s0280e0-2004.tif	Historical Index	09/17/2005
ca210280s0280e0-2005.tif	Historical Index	09/17/2005
ca210280s0280e0-2006.tif	Historical Index	09/17/2005
ca210280s0280e0-2007.tif	Historical Index	09/17/2005
ca210280s0280e0-2008.tif	Historical Index	09/17/2005
ca210280s0280e0-2009.tif	Historical Index	01/26/2007
ca210280s0280e0-6001.tif	Oil & Gas	01/17/2007

*this is the date that the file was last modified, which doesn't necessarily correspond to the contents of the file being edited.

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due to your hook-up.

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Address http://www.blm.gov/ca/forms/mtp/results.php Go Links

U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT
California

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File Edit View Favorites Tools Help

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Address http://www.blm.gov/ca/forms/mtp/tiffintro.php?ne Go Links

You are viewing ca210280s0280e0-6001.tif

*

A java applet will load in a new window on top of this window.

This window may be closed after your image loads.

http://www.blm.gov/ca

Filename
ca210280s0280e0-1001.tif
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ca210280s0280e0-6001.tif

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Start Adobe Photoshop http://www.blm.gov/ca/... Your Image is Loadin... 9:14 AM

Hints

- To save the image click on the disk to save first.
- Program will not print the image until it has been saved.

Additional Steps

- Save file to a dedicated folder on your drive.
- Use additional Graphics program to annotate the image if needed.
- Convert the .tiff file to a Portable Document File format.

???

Questions

???

Production Accountability Review

Jennifer Shives

Inspector

jshives@ca.blm.gov

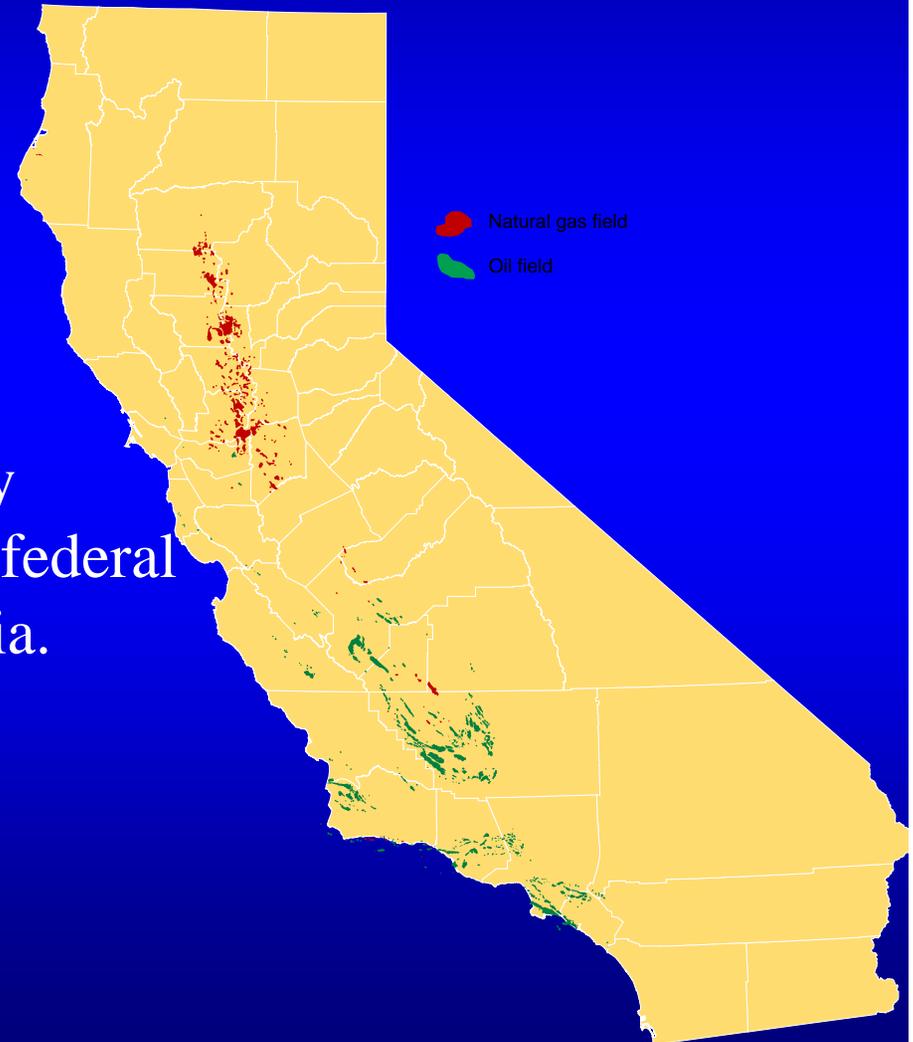
661-391-6047



Bakersfield Field Office

Ensures

that all oil and gas operators properly measure and report production from federal oil & gas leases throughout California.



Statistics

Year 2006

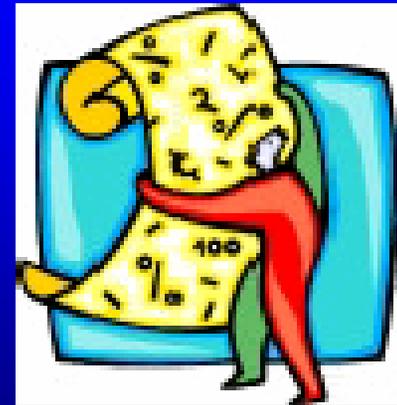
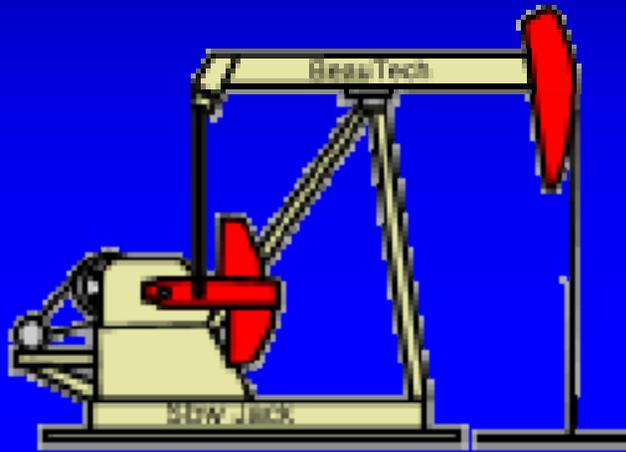
- 300+ Active Leases
- 9,000 Wells
- 118 Lessees/Operators
- 61 Agreements
- 16.7 Million Barrels of Oil
- 4.7 Billion Cubic Ft. of Gas



100 Million +/-

Royalty

Production Accountability Review



PAR Contacts

- Minerals Management Service (MMS)
- State Controllers Office
 - Royalty verification
 - Audits
- Lessee/Operator

Step 1. Assignment

- I&E Supervisor identifies/prioritizes leases.
- I&E Supervisor assigns to the inspector by area.
- Inspector may note discrepancies or areas of concern during routine inspection.

Step 2. Contact operator/lessee by letter

Requesting:

Oil

- Weight/Run Tickets
- Well Tests
- Oil Allocation Schedule
- Seal Records
- Site Security Plan
- Purchase Statements
- LACT Proving Reports

Gas

- Detailed Gas Volume Report
- Gas Allocation Report
- Gas Purchase Statement
- Gas Chart Integration Results
- Gas Meter Calibration Reports
- Gas Specific Gravity Determination
- Orifice Meter & Temperature Charts

Step 3. Office Review

- Pull a 3 yr. average and 6 months of OGOR reports to verify sales
- Verify all data

➔ PAR encompasses reviewing the Oil and Gas Operations Report (MMS-OGOR 4054) and comparing it to the run tickets/LACT printouts and/or gas charts for accuracy.

TEXACO
CRUDE OIL RUN TICKET

NUMBER
3261

MONTHLY RUN NO. 2 DATE 10 23 2001

FIELD LOCATION FROM
MIDWAY SUNSET
6-35
SEC. 35 T. 31 R. 22
SAC. 19349

TEXACO
SIT. 31

REMARKS
2465314-2
2461172-2
DEC 2001

THE FOLLOWING CRUDE OIL IN BULK OF 42 U.S. GALLONS PER BARREL

TANK OR METER #	FEET	INCHES	GROSS	TEMP	CARRIER	PL	TR	TC	SH	GROSS @ 60°	10THS
H I											
L O											

A.P.I. GRAVITY OF SAMPLE
OBSERVED 17.4 TEMP 145 CORRECTED 13.0 B.S. & W. % 1.6

METER

THIS DELIVERY NO.	BARREL READING CLOSING	10THS
AA 2 9 3	4 6 5 3 1 6	3
AA 2 9 2	4 6 1 1 7 2	2

LAST DELIVERY NO. _____ BARREL READING OPENING _____

TEMP COMPENSATED YES NO OBS BARRELS _____

METER FACTOR 1.0063 BS&W _____ 60° F BARRELS _____

AVG. TEMP 171.5 TEMP FACT. 95983 NET BARRELS 3938.74

OPEN TIME 2:12 DATE 10-23-01 TEP Ron Redfield

SEAL # 2344 OTHER CO _____

CLOSE TIME 6:12 DATE 11-01-01 TEP Ron Redfield

SEAL # 2387 OTHER CO _____

TEXACO
CRUDE OIL RUN TICKET

NUMBER
3237

MONTHLY RUN NO. 1 DATE 10 11 2001

FIELD LOCATION FROM
MIDWAY SUNSET
6-35
SEC. 35 T. 31 R. 22
SAC. 19349

TEXACO
SIT. 31

REMARKS
2461172-2
2460943-7

THE FOLLOWING CRUDE OIL IN BULK OF 42 U.S. GALLONS PER BARREL

TANK OR METER #	FEET	INCHES	GROSS	TEMP	CARRIER	PL	TR	TC	SH	GROSS @ 60°	10THS
H I											
L O											

A.P.I. GRAVITY OF SAMPLE
OBSERVED 17.4 TEMP 145 CORRECTED 13.0 B.S. & W. % 1.6

METER

THIS DELIVERY NO.	BARREL READING CLOSING	10THS
AA 2 9 2	4 6 1 1 7 2	-
AA 2 9 1	4 5 0 9 4 3	6

LAST DELIVERY NO. _____ BARREL READING OPENING _____

TEMP COMPENSATED YES NO OBS BARRELS _____

METER FACTOR 1.0069 BS&W _____ 60° F BARRELS _____

AVG. TEMP 149.8 TEMP FACT. 96045 NET BARRELS 9733.81

OPEN TIME 1:12 DATE 10-01-01 TEP Ron Redfield

SEAL # 2324 OTHER CO _____

CLOSE TIME 2:12 DATE 10-23-01 TEP Ron Redfield

SEAL # 2344 OTHER CO _____

OGOR Document Header

DOCR	3160-0107033	Period	2001-07	MMS ID	CAS019002	MMS Oper	41460	TEXACO EXPLORATION & PROD, INC	
Atended?	N	Accepted?	N	Proprietary?	N	AFMSS Case	CAS019002	AFMSS Operator	TEXACO CALIFORNIA INCORPORATED
Signed	09/27/2001	Entered	09/27/2001	Updated	09/27/2001	Orig Lead	1003/2001	Cur Lead	
Begin Volume	13003	Dip Codes		GAS Produced	0	Dip Codes		Dip Codes	
Oil/Condensate Produced	47226		10	Sold		WATER Produced	1427410	Injected	947012
Sold	471961	Placed/Vented		Used On Lease		Other Disposition	-400390	51	
Spilled/Leak		Used On Lease		Other Disposition	0	Contact	WALT R. VANDEVER		
Used On Lease		Other Disposition		Phone	(713) 752-7283 x				
Injected		Transferred		To					
Other Disposition	0	Average API	10.9	Produced into inventory prior to sales		Other Disposition Description	PIPED TO STEAM PLANT		
End Volume	13278			Injected on Lease/Agreement					
Average API	10.9			OTH HELP from 3160 conversion					

26-Mar-2002 15:17

Summary of PAR Steps

- Assignment
- Contact Lessee / Operator
- Verify documentation in AFMSS
- Complete Production Accountability Checklist
- Pull & compare Oil and Gas Operations Report (OGOR) with run tickets/charts for accuracy
- If discrepancies are found, a summary is submitted to the I&E Supervisor for review and the following actions:

Discrepancies

Minor

- The operator is contacted and advised to correct problem and/or to schedule a meeting.

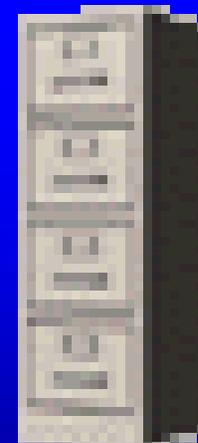


Major

- Major discrepancies are pursued in accordance with 43 CFR 3163.2(f)(1) with civil penalties and/or criminal penalty action.

“Documentation”

- Documentation is made in AFMSS and filed in the case file.



Product Accountability Review Team

Utilizing a variety of tools and professional staff we are responsible for protecting the public's interest in minerals produced from federal lands.



???

Questions

???



Safety on
Drilling & Workover Rigs
BOPE & H₂S

Rod Sparks
Inspector

rsparks@ca.blm.gov

661-391-6135

SAMS
Photograph

Safety on the Drilling & Workover Rig

One of the main concerns of the BLM is BOPE:

1. The proper use of the Blowout Preventer Equipment (BOPE) as per Onshore Order #2 or as approved in the Application for Permit to Drill (APD) & attached Conditions of Approval (COA's), or the Sundry Notice.
2. The BOPE will be inspected by a BLM Inspector to ensure:
 - That the equipment being used is what was approved and is in safe working order.
 - BLM no longer requires a 3rd party pressure test of a 2m and below system
 - The BLM witness the pressure testing of such equipment (3M or above) with a third party tester with a chart recorder.

Safety on the Drilling & Workover Rig

3. Any variation from the approved APD must have prior approval from the BLM Engineer. Verbal variations can be given, but must be followed up in writing to the BLM.
4. The Phrase “BOP” is not limited to the components of the stack bolted to the wellhead.. (i.e.. Manifolds, Upper & Lower Kelly Cocks, etc..)
5. BLM requires all components of ALL BOP’s to be function tested daily and recorded in the IADC or Tour Report.
6. 2m Annular Preventer w/ 6” diverter are the most commonly used. Although no pressure test is required, there are other stipulations that must be adhered to.
7. Some of the most common errors we are finding are



- a. That the 6" diverter has bends in them in route to the sump.
- b. The 6" valve in the diverter line is not rigged up to open simultaneously when the Annular is closed.
- c. There is no remote control readily assessable to the driller.
- d. The accumulator are rigged up, but the power supply to them is not connected. Or the power switch not turned on.
- e. The fill-up line is not above the upper most BOP component.



Safety on the Drilling & Workover Rig

Another main concern is working in and around H₂S gas.

1. Is ALL the required equipment approved in the APD, COA's & Onshore Order #6 properly installed?
2. Are the monitors & sensors in appropriate locations as per Onshore Order #6?
3. Are the Employees trained & knowledgeable of H₂S safety procedures?
4. Is a H₂S Contingency Plan as described in Onshore Order #6 required and on location for inspection by the BLM?

Safety Is A Vital Part Of ALL our Daily Lives!

We Must All Work Towards A Safer Work Place For ALL!

ALL ACCIDENTS ARE PREVENTABLE!

???

Questions

???

Site Security Requirements

Kevin Coodey

Inspector

kcoodey@ca.blm.gov

661-391-6051

Onshore Order #3

*Onshore Order #3 gives BLM the authority to inspect and enforce Site Security on Federal Oil and Gas leases.

Onshore Order #3 III. H.

*Federal requirements for establishment and maintenance of a Site Security Plan

“The operator shall establish a site security plan for all facilities...” The plan shall include, but is not limited to the following:

- A self inspection program that monitors production volumes and ensures compliance with all seal requirements at each storage and sales facility and each LACT unit, if applicable.
- A system to ensure the maintenance of accurate seal records and the completion of accurate run tickets.
- A system to ensure the reporting of incidents of apparent theft or mishandling of oil.
- A system to ensure that there are no by-pass of meters.
- A list of the leases, communitization agreements, unit agreements, and specific facilities that are subject to each plan
- Documentation that the authorized officer has been notified of the completion of a plan and site facility diagram(s) and the leases, communitization agreements, unit agreements, and specific facilities that are subject to each plan and diagram(s).
- Documentation that the authorized officer was notified within 60 days of completion of construction of a new facility or of commencement of first production or of inclusion of the production from a committed non-Federal well into a federally supervised unity or communitization agreement, whichever occurs first, whether that facility is covered by a specific existing plan or a new plan has been prepared.

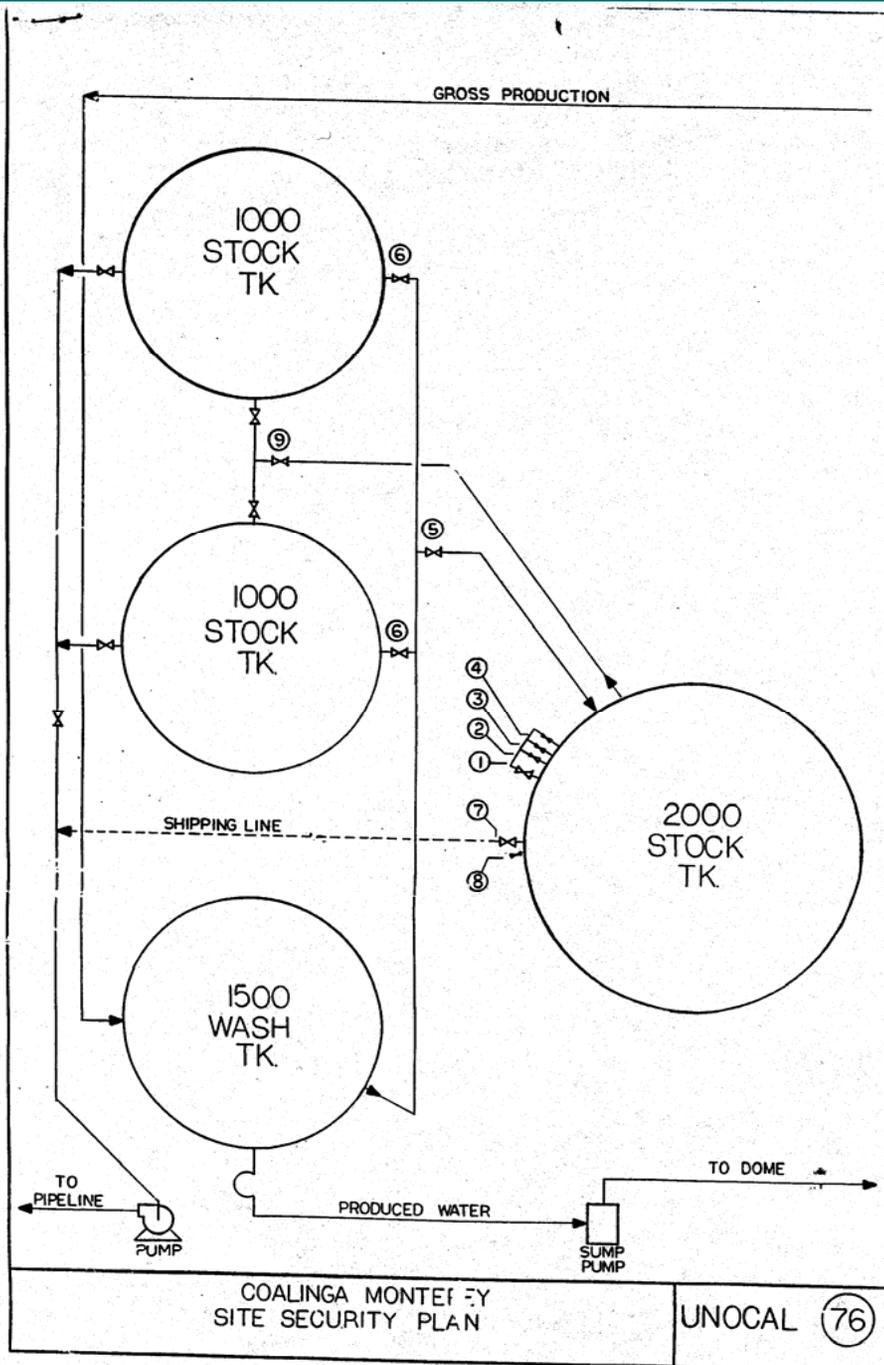
Onshore Order #3 III. I.

*Federal requirements for establishment and maintenance
of a Site Security Diagram

“A facility diagram is required for all facilities, including those facilities not located on Federal or Indian lands but which are subject to Federal supervision through commitment to a federally approved unit agreement or communitization agreement.”

SITE SECURITY PLAN

COALINGA MONTEREY TANK 10494



COALINGA MONTEREY
SITE SECURITY PLAN

UNOCAL (76)

VALVE	POSITION PRODUCING	SHIPPING
1. Drain 3"	Normally closed-except H ₂ O bleed	Closed
2. Bottom Sample 1"	Normally closed - Sample only	Closed
3. Middle Sample 1"	Normally closed - Sample only	Closed
4. Upper Sample 1"	Normally closed - Sample only	Closed
5. Fill 6"	Open	Closed
6. Circulating 4"	Closed	Closed
7. Shipping 6"	Closed	Open
8. Bottom Sample 1/2"	Closed - Sample only	Closed
9. Overflow 6"	Closed	Closed

- #1 Drain valve to remain closed and sealed except when water bleeding the tank. Pumper is to be present. Valves 2, 3, 4, & 8 will be used only to check BS&W cut and levels.
- #5 Normally open when the tank is being filled. Closed and sealed to ship.
- #6 Used to circulate fluid to wash tank or other tanks in facility and are normally closed.
- #7 Open when shipping - Normally closed and sealed.
- #8 Sample valve. Normally closed

Site Security Plan kept at:
Company Name
Address

Onshore Order #3 III. A.

*Federal requirements for seals on storage and sales facilities

“The primary purpose for the use of seals is to provide a means of documenting the removal of production for royalty purposes.”

“All lines entering or leaving all oil storage tanks shall have valves capable of being effectively sealed during the production and sales operations...”

Properly Sealed Valve



*A numbered seal is installed through the valve nut.

*The valve cannot be opened without destroying the seal.

Ineffectively Sealed



*A numbered seal has been installed, but the wheel nut can be removed and the valve opened without destroying the seal.

*This is a violation.

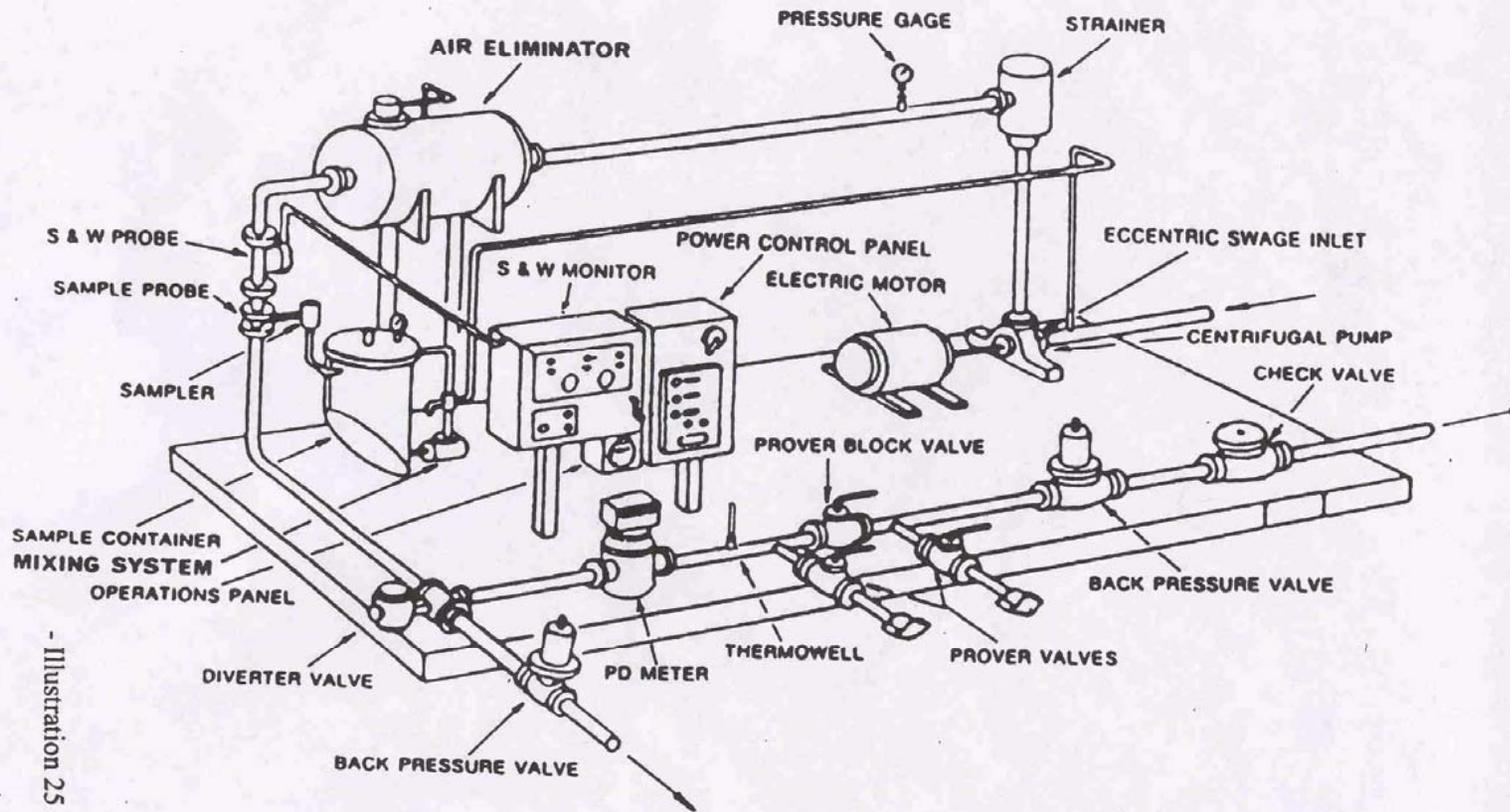
Onshore Order #3 III. B.

*Federal requirements for seals on Lease Automatic Custody Transfer (LACT) Systems

The following components shall be effectively sealed on LACT systems:

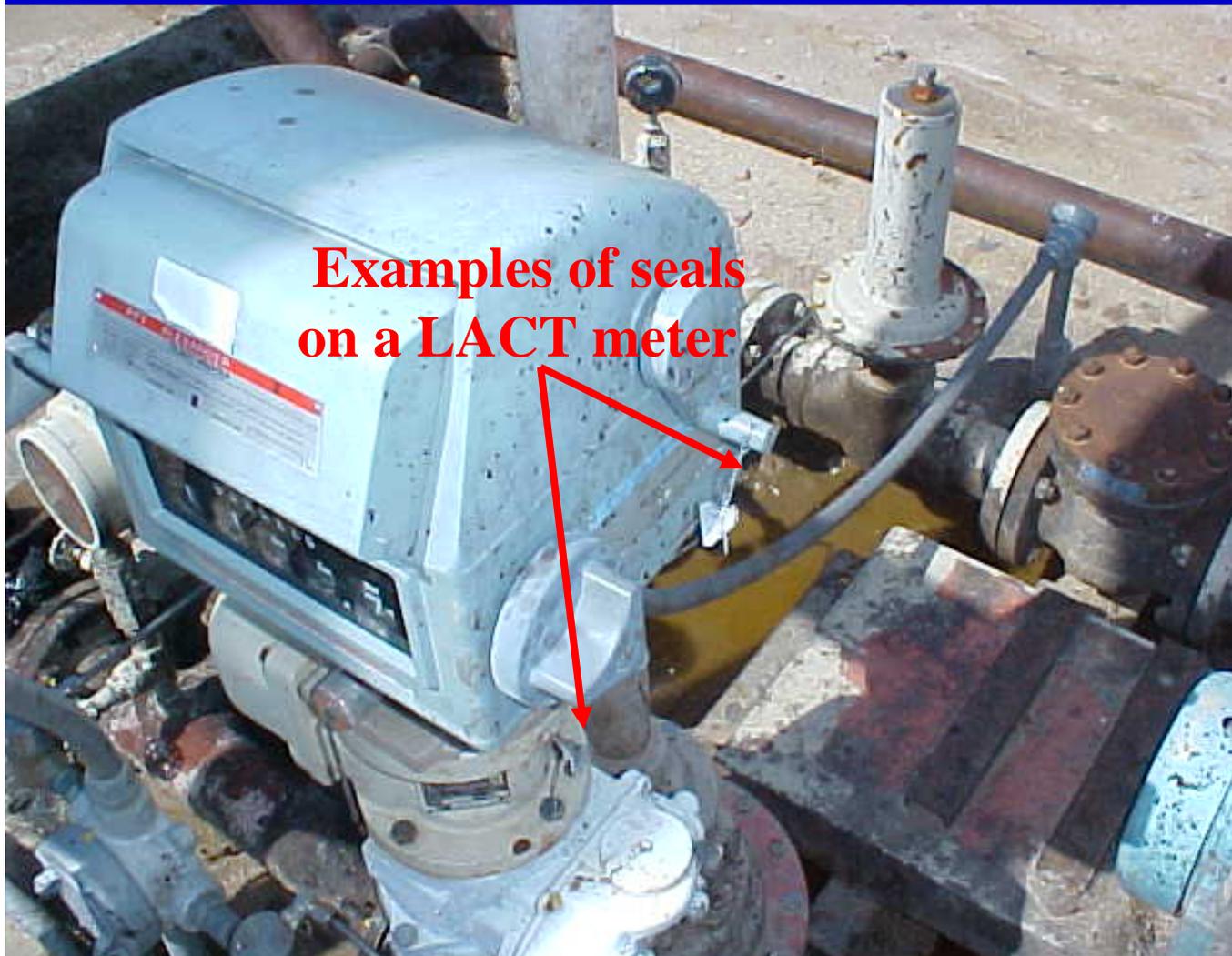
- Sample probe
- Sampler volume control
- All valves on lines entering or leaving the sampler container excluding the safety pop-off valve
- Meter assembly, including the counter head, meter head, and if so equipped, automatic temperature compensator (ATC) or automatic temperature and gravity selection service (ATG)
- Temperature recorder (if equipped)
- Back pressure valve downstream of the meter
- Any drain valves in the system
- Manual sampling valves

Lease Automatic Custody Transfer System LACT



- Illustration 25 -

Lease Automatic Custody Transfer Meter

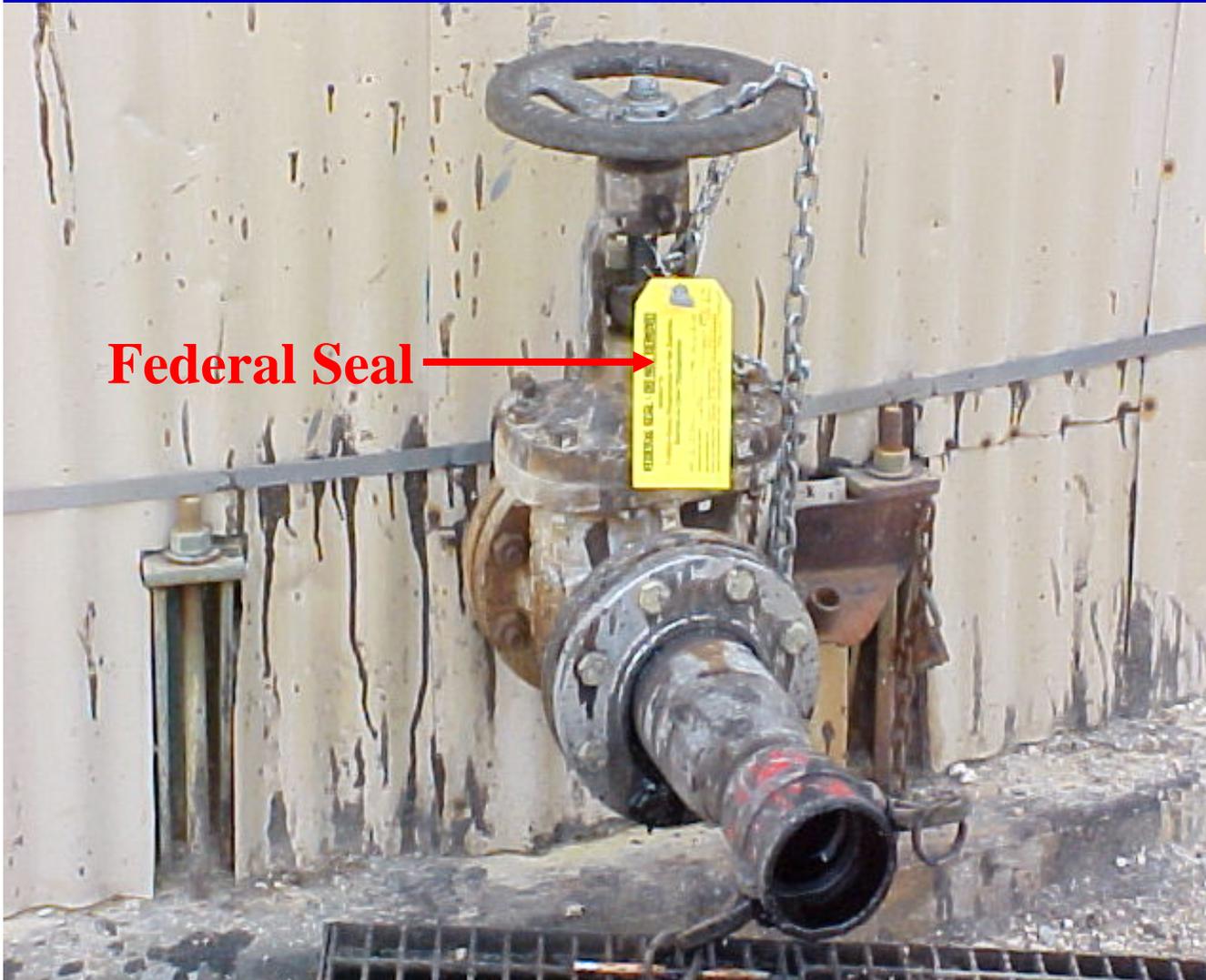


**Examples of seals
on a LACT meter**

*There are specific regulations for LACT meter seal requirements.

Onshore Order #3 IV.

Federal Seal Installed



Federal Seal →

*A BLM Inspector placed a Federal seal on this ineffectively sealed valve.

*An assessment of \$250 will be issued if this seal is broken without contacting the BLM.

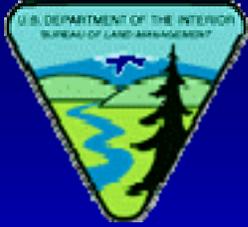
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Questions

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Written Orders, Incidents of Non-Compliance

Glen Garnand
Inspector
ggarnand@ca.blm.gov
661-391-6178



Authority



43 CFR 3162.1(a)

The operator shall comply with:

- Applicable laws
- Regulations
- Lease terms
- Onshore Orders
- Notices To Lessees
- Orders and COA's of the Authorized Officer (AO)



What is a Violation



A Violation is Something Specific in:

- Applicable laws
- Regulations
- Lease terms
- Onshore Orders
- Notices To Lessees
- Orders and COA's of the Authorized Officer (AO)



If a violation exists....



- An INC will be issued in accordance with 43 CFR 3163.1
- Every violation is a separate INC and must be documented accordingly
- Identify the gravity of the violation (Major or Minor)



Major Violation



Noncompliance that causes or threatens immediate, substantial and adverse impact to:

- Public health and Safety
- Environment
- Production Accountability
- Royalty Income



Minor Violation



Those violations that do not rise to the level of a major violation.

Continued noncompliance of a minor violation may lead to a major violation.

Incident of Noncompliance

Form 3160-6 (December 1989) Number 03-018-00
Page 1 of 1

Certified Mail - Return Receipt Requested
Z 190 683 665

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**
NOTICE OF INCIDENTS OF NONCOMPLIANCE

Identification
 ID _____
 Lease CAS019378
 CA _____
 Unit _____
 PA _____

Bureau of Land Management Office
BAKERSFIELD FIELD OFFICE
 Address: 3801 PEGASUS DRIVE
 BAKERSFIELD CA 93308
 Telephone: 651.391.6130
 Inspector: DONALD MOREN

Operator
INCORPORATED
 Address: BAKERSFIELD CA 93302
 Attention: _____
 Attn Addr: _____

Site Name	Well or Facility	Township	Range	Meridian	Section	1/4 1/4
'32 US'	B	26S	21E	MTD	32	SWNW
(FACILITY)						

THE FOLLOWING VIOLATION WAS FOUND BY BUREAU OF LAND MANAGEMENT INSPECTORS ON THE DATE AND AT THE SITE LISTED ABOVE

Date	Time (24 - hour clock)	Violation	Gravity of Violation
02/03/2000	09:15	Onshore Order No. 3, I.E.B. 1.	MAJOR
Corrective Action To Be Completed By	Date Corrected	Assessment for Noncompliance	Assessment Reference
02/04/2000	02/03/2000		43 CFR 3163.1(i)

Remarks

When violation is corrected, sign this notice and return to above address.

Company Representative Title _____ Signature _____ Date _____

Company Comments _____

WARNING

Incidents of Noncompliance correction and reporting timeliness begin upon receipt of this Notice or 7 business days after the date it is mailed, whichever is earlier. Each violation must be corrected within the prescribed time from receipt of this Notice and reported to the Bureau of Land Management office at the address shown above. Please note that you already may have been assessed for noncompliance (see annex under "Assessment for Noncompliance"). If you do not comply as noted above under "Corrective Action To Be Completed By" you may incur an additional assessment under (43 CFR 3163.1) and may also incur Civil Penalties (43 CFR 3163.2). All self-certified corrections must be postmarked no later than the next business day after the prescribed time for correction.

Section 100(d)(1) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3163.2(i)(1), provides that any person who "knowingly or willfully" prepares, maintains, or submits, false, inaccurate, or misleading reports, notices, affidavits, records, data, or other written information required by this part shall be liable for a civil penalty of up to \$25,000 per violation for each day such violation continues, not to exceed a maximum of 20 days.

REVIEW AND APPEAL RIGHTS

A person contesting a violation shall request a State Director review of the Incidents of Noncompliance. This request must be filed within 20 working days of receipt of the Incidents of Noncompliance with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 4015 Wilson Blvd., Arlington VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

Signature of Bureau of Land Management Authorized Officer _____ Date _____ Time _____

FOR OFFICE USE ONLY

Number	Date	Assessment	Penalty	Termination
14				
Type of Inspection				
SS				

Agency name

Site of Violation

Date violation found

Corrective Date or Abatement Date

Explanation of Violation

Recipient

Gravity of Violation

Major or Minor

Signature and Title When INC is remediated



Written Order



If the situation does not meet a specific regulatory requirement, a Written Order will be issued.

- Written order is not a violation
- Issued for Problem(s) identified during inspection
- May list multiple infractions
- Does not count against operator's compliance rating



Written Order Components



- Identifies the problem/issue
- States the requirements
- Includes an abatement date
- “Failure to comply” language
- Appeal language

Written Order (letter form)

3100(P)
CASO21030
W.O.#01-011-02
CA-0160-92

Certified Mail NO.70000520002196301945
RETURN RECEIPT REQUESTED

Midway Sunset Field
Kern County, Ca.

Dear

The Bureau of Land Management (BLM) is the agency responsible for ensuring the correct reporting of production from oil and gas leases operated on federal land. In order to meet this objective, the BLM periodically conducts Production Accountability Review (PAR's) to determine how accurately production records match the volume reported on the Monthly Report of Operations (MMS Form-3160), or Oil and Gas Operations Report (OGOR).

Your operations on the above referenced lease will be evaluated, and your cooperation and assistance is necessary. In accordance with the requirements of 43 CFR 3162.7-5(b)(6), you are required to submit the following source documents for the time period below for the federal lease. All documents are to be submitted to this office within twenty calendar days of receipt of this notice or by March 14, 2002 to the attention of Glen Garnand.

Review period is July 2001

- Run Tickets
- Oil production allocation schedule
- Well test/Shut in reports

Written Order (INC form)

Form 3160-10
(October, 1999)

Number 03-002-01

Page 1 of 2

Certified Mail - Return Receipt Requested
Z 190 653 653

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NOTICE OF WRITTEN ORDER**

IDENTIFICATION
BID _____
Lease CASO19376
CA _____
Unit _____
PA _____

Bureau of Land Management Office BAKERSFIELD FIELD OFFICE		Operator _____
Address 3801 PEGASUS DRIVE BAKERSFIELD CA 93308		Address _____
Telephone 661.391.6130		Attention _____

Inspector
RICK ROMERO

Site Name USL	Well or Facility 5-4D	1/4 1/4 Section SENW 32	Township 26S	Range 21E	County KERN	State CA	Meridian MTD
Site Name USL	Well or Facility 10-2A	1/4 1/4 Section NENE 32	Township 26S	Range 21E	County KERN	State CA	Meridian MTD
Site Name	Well or Facility	1/4 1/4 Section	Township	Range	County	State	Meridian

The following condition(s) were found by Bureau of Land Management inspectors on the date and at the site(s) listed above.

Date	Time (24-hour clock)	Corrective Action to be Completed by	Date Corrected	Authority Reference
01/17/2001		02/28/2001	03/01/2001	43 CFR 3162.5-1

Remarks
Written order - This lease was inspected by BLM inspector Rick Romero on 01/17/01. The following items were found to be in noncompliance with environmental regulations as noted in 43 CFR 3162.5-1. On that date Mr. Romero issued you a verbal warning to cease and desist from the following activities. Well environments unsatisfactory. Surface disturbances have not been kept to a minimum as required per original conditions of approval for the referenced wells. It was observed by the inspector that surps for the purpose of work over operations had been dug off the approved surface locations thus damaging adjoining habitat. At well 5-4D a sump had been dug approximately 60' west of the well location. On a subsequent visit by the inspector on January 25, 2001 it was noted that the sump now contains oil which must be removed and disposed of prior to backfilling. It was also (Remarks continued on following page(s).)

When the Written Order is completed with, sign this notice and return to above address.

Company Representative Title _____ Signature _____ Date _____

Company Comments _____

Warning

The Authorized Officer has authority to issue a Written Order in accordance with 43 CFR 3161.2. Written Order correction and reporting time frames begin upon receipt of this Notice or 7 business days after the date it is mailed, whichever is earlier. Each stipulation must be corrected within the prescribed time from receipt of this Notice and reported to the Bureau of Land Management Office at the address shown above. If you do not comply as noted above under "Corrective Action to be Completed By", you shall be issued an Incident of Noncompliance (INC) in accordance with 43 CFR 3163.1(a). Failure to comply with the INC may result in assessments as outlined in 43 CFR 3163.1 and may also incur civil penalties (43 CFR 3163.2). All self-certified corrections must be postmarked no later than the next business day after the prescribed time frame for correction.

Section 100(d)(1) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3163.2(f)(1), provides that any person who "knowingly or willfully" prepares, maintains, or submits false, inaccurate, or misleading reports, notices, affidavits, records, data, or other written information required by this part shall be liable for a civil penalty of up to \$25,000 per violation for each day such violation continues, not to exceed a maximum of 20 days.

Review and Appeal Rights

A person contesting a decision shall request a State Director review of the Written Order. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 4015 Wilson Blvd, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

Signature of Bureau of Land Management Authorized Officer	Date	Time
_____	_____	_____

FOR OFFICE USE ONLY

Number	Date	Type of Inspection
3		PI

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Questions

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BLM – CDOGGR Cooperative Efforts

John Kaiser

Acting AFM, Minerals, BLM

Randy Adams

Deputy Supervisor, CDOGGR, District 4

BLM – CDOGGR Cooperation

- Oil and Gas Workgroup
- Memorandum of Understanding
- Idle Well Programs
- Well Abandonment Training Sessions
- Assistance Agreement

California Oil and Gas Work Group

- Quarterly meetings
- Formed in 1992
- Members:
 - California Division of Oil, Gas and Geothermal Resources (DOGGR)
 - California Water Quality Control Board
 - BLM
 - US Fish and Wildlife Service
 - California Dept. of Fish and Game
 - Oil industry associations
 - Representatives from major and independent companies



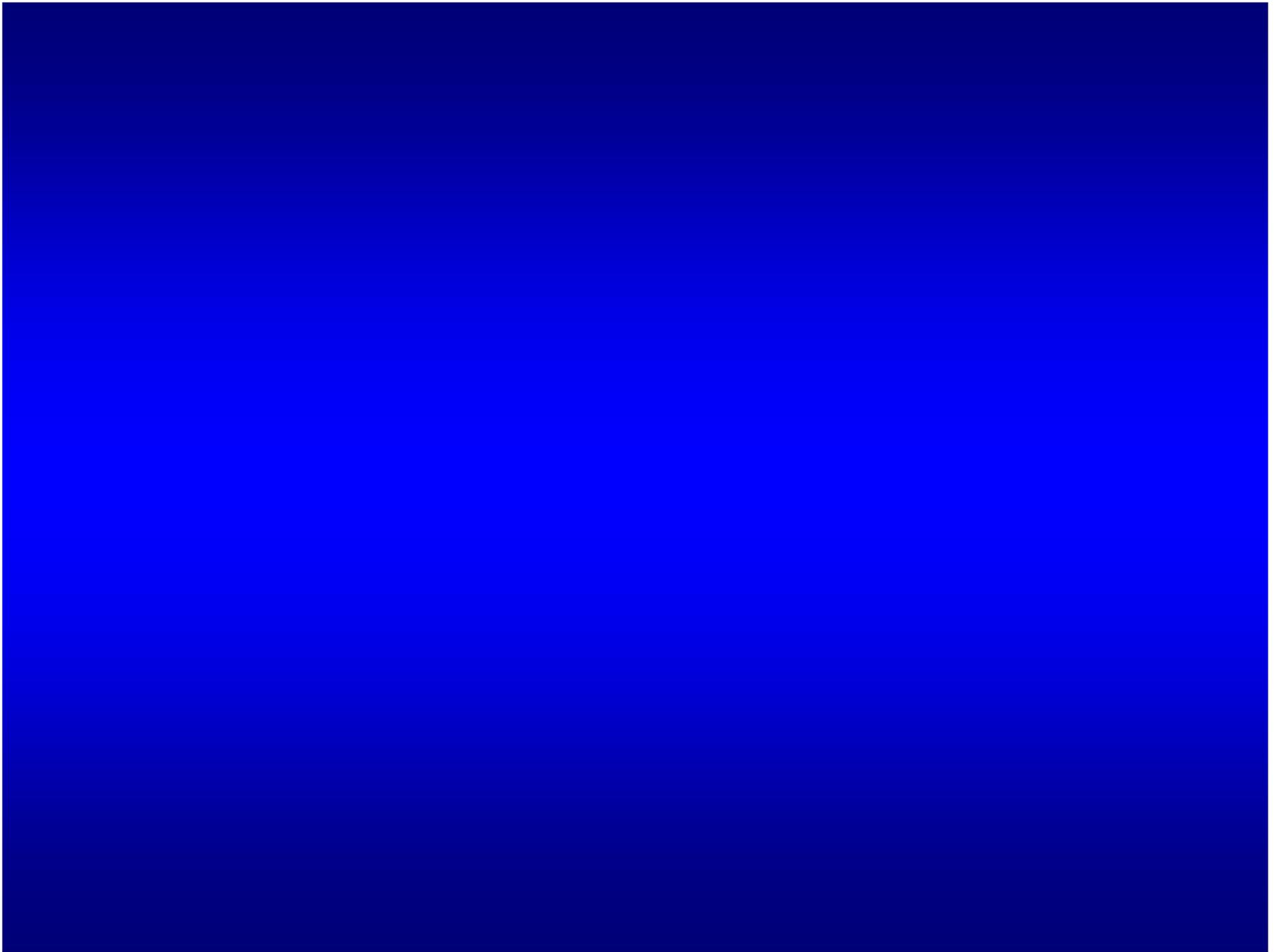
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Questions

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Abbreviations / Acronyms

AFMSS	-Automated Fluid Minerals Support System	MDP	-Master Development Plan
AO	-Authorized Officer	MMS	-Minerals Management Service
APD	-application for permit to drill	NEPA	-National Environmental Policy Act
API	-American Petroleum Institute	NOC	-notice of completion
BFO	-Bakersfield Field Office	NOI	-notice of intent
BLM	-Bureau of Land Management	NOS	-notice of staking
CA	-Communitization Agreement	OES	-Office of Emergency Services
CFR	-Code of Federal Regulations	OMB	-Office and Management and Budget
CE	-Categorical Exclusion	ORI	-Overriding Royalty Interest
COA	-conditions of approval	OO	-Onshore Order
DOD	-Department of Defense	PAR	-Production Accountability Review
DOE	-Department of Energy	PET	-Petroleum Engineering Technician
DOGGR	-Division of Oil, Gas, and Geothermal Resources	P/L	-pipeline
EA	-Environmental Assessment	POW	-producing oil well
EC	-Electronic Commerce aka E Permitting	RMP	-Resource Management Plan
EIR	-Environmental Impact Report	ROW	-right of way
EPA	-Environmental Protection Agency	RRR	-royalty rate reduction
ESA	-Endangered Species Act	SCO	-State Controllers Office
FOGRMA	-Federal Oil and Gas Royalty Management Act	SI	-shut-in
FOOGLRA	-Federal Onshore Oil and Gas Leasing Reform Act (Reform Act of 1987)	SMA(E)	-surface management agency(entity)
GIS	-geographic information system	SR	-subsequent report
I&E	-Inspection and Enforcement	SN	-sundry notice
INC	-Incident of Non-Compliance	TA	-temporarily abandoned
IW	-idle well	UA	-unit agreement
LACT	-lease automated custody transfer	UIC	-Underground Injection Control
LEA	-law enforcement agency	USC	-University of Southern California
		USDOI	-US Department of the Interior
		USFWS	-US Fish and Wildlife Service
		WIS	-well information server



Speaker Biographies

Kevin Coodey is currently a Petroleum Engineering Technician (Inspector) at the BLM Bakersfield Field Office. He has been with the BLM for about 4 years. While working at the BLM, Kevin has received a Bachelor's Degree in Geology from California State University Bakersfield.

Kim Cuevas is currently an archaeologist working in the cultural resources program with the U.S. Dept. of the Interior, Bureau of Land Management in Bakersfield, California. She has been with the Bureau for 6 years. Ms. Cuevas holds a Bachelor's degree in Anthropology from the University of Maine, Orono and a Masters degree in Anthropology from California State University, Bakersfield.

Nora DeDios is currently a Realty Specialist with the BLM in the Minerals Division located in Bakersfield. She has held this position since 1994. Nora has an Associates of Arts degree from Bakersfield College and a Paralegal Certificate from Cal State.

Gabriel Garcia is currently an Environmental Protection Specialist and NEPA Coordinator with the U.S. Department of the Interior Bureau of Land Management located in Bakersfield, California. In this position, Gabe performs surface inspections in conjunction with drilling and sundry notice permits, while overseeing the NEPA program for the Caliente Resource management Area. He has been with the BLM for the last 5 years. Mr. Garcia holds a B.S. degree in Biological Science from Chico State University and a Master's degree in Business Administration from Cal State University, Bakersfield.

George Garcia is currently the Inspection and Enforcement Supervisor for the BLM at the Bakersfield Field Office. He began his Federal career 34 years ago in the US Army and served 13 months in Viet Nam as a Medical Corpsman. He has held numerous positions with the Department of Defense, Veteran's Administration, US Geological Survey, Minerals Management Service, and Bureau of Land Management. Prior to coming to California, he also worked in New Mexico and Colorado for the BLM. Mr. Garcia has an AA degree in Liberal Arts from El Paso Community College and an AS in Math from the University of Texas at El Paso.

Speaker Biographies

Glen Garnand is currently a Petroleum Engineer Technician working with the Inspection and Enforcement program with U.S Dept. of the Interior, Bureau of Land Management in Bakersfield, California. He has been with the Bureau for 8 years. Mr. Garnand attended New Mexico State University and holds a AS from Bakersfield College.

Richard Graham is currently a Physical Science Technician with the U.S. Dept. of Interior Bureau of Land Management located in Bakersfield, California. He has been with the BLM for six years now, the first four and a half years as a volunteer of over 5000 hours. Much of his volunteer time was related to maintenance of BLM website information. Richard has spent 17 years in the petroleum transportation industry and 10 years in oilfield services in the Bakersfield/Taft and Gulf Coast regions.

Silvet Holcomb is a Petroleum Engineer with the BLM and currently is the lead for processing drilling permits and Sundry Notices. Over the past 18 years, she has worked as lead in the Reservoir Management and the Inspection and Enforcement Programs. Silvet holds a B.S. and an M.S. degree in petroleum engineering from Montana Tech.

John Kaiser is currently a Petroleum Engineer with the U.S. Dept. of Interior, Bureau of Land Management located in Bakersfield, California. He is the Lead for the Idle/Orphan Well Program as well as the Lead on the Buena Vista Field (formerly NPR-2) project. Prior to coming to work for the BLM, John worked as a senior Reservoir Engineer for the Department of Energy at Elk Hills. Interestingly, John's first job when he graduated in 1984 was with the BLM Bakersfield District as a Production Engineer. Mr. Kaiser holds a B.S. degree in Petroleum Engineering from the Colorado School of Mines and a M.S. degree in Petroleum Engineering from the University of Southern California. Go Orediggers! Go Trojans!

Denis Kearns is a Botanist with the Bureau of Land Management in Bakersfield, California. He has been with the BLM for 4 years. Previously he was a biological consultant, taught biology and earth sciences, and worked on flora projects at the Missouri Botanical Garden. Denis has a B.A. in Botany from the University of California Santa Barbara, a M.A. in Biology from Humboldt State University, and a PhD. In Botany from the University of Texas at Austin.

Amy Kuritsubo is a Wildlife Biologist with the U.S. Dept. of Interior Bureau of Land Management located in Bakersfield, California. She began her career with the BLM in Burns, Oregon in 1981, then moved on to the BLM's King Range National Conservation Area. She has worked as a biologist for BLM in Bakersfield since 1984. Amy is also an instructor for the BLM National Training Center's Endangered Species Management and Consultation Class. Amy has a B.S. degree in Wildlife Management from Humboldt State University.

Speaker Biographies

Laurie Moore is a Land Law Examiner with the BLM California State Office in Sacramento. She began working with BLM's Division of Energy and Minerals in September 2005. Laurie started her career with the Federal Government in 1980. Prior to joining BLM in 2000, Laurie worked for the U.S Forest Service and the U.S. Fish and Wildlife Service.

Jeff Prude is currently a Petroleum Engineer with the U.S. Dept. of Interior Bureau of Land Management located in Bakersfield, California. He has held a number of positions during the past 20+ years with the BLM including Branch Chief of Reservoir Management, District Oil and Gas Program Lead, and manager of the Oil and Gas Division Inspection and Enforcement Staff. Prior to coming to work for the BLM, he worked for 11 years as a senior engineer for ARCO Oil and Gas in Texas, Louisiana, Oklahoma, and Alaska. Mr. Prude holds a B.S. degree in petroleum engineering from Texas Tech University.

Jennifer Shives is currently a Petroleum Engineering Technician (Inspector) with the Bureau of Land Management. She has been with the BLM for just over two years. She acquired her Bachelor of Science degree in Petroleum Geology from California State University, Bakersfield and is currently working on her Master's Degree in Petroleum Geology from California State University, Bakersfield.

Rod Sparks is a Petroleum Engineering Technician (Inspector) for the BLM out of the Bakersfield Field Office. He started his career in the oil & gas industry more than 33 years ago. The first 28 years were spent working on drilling, workover, and production rigs throughout the states of California and Louisiana, as well as the Gulf of Mexico, Venezuela, Argentina & Brazil. He has been with the BLM for 5 years. HE LOVES HIS JOB!

Kent Varvel is the Environmental Protection Specialist in the Hazard Management and Resource Restoration Program assigned to the Bakersfield Field Office of the Bureau of Land Management. Mr. Varvel has worked for BLM for 16 of his more than 26 years with the United States government. Mr. Varvel holds B.A., B.S., and M.S. degrees and a Graduate Certificate in Hazardous Waste Management on Federal Lands.

Dan Vaughn is the Lead Realty Specialist for the U.S. Dept. of Interior Bureau of Land Management in Bakersfield, California. He began his career as a Soil Specialist with the U.S. Dept. of Agriculture Soil Conservation Service in 1974. Dan has worked as a Realty Specialist for BLM since 1983. Besides his local duties, he has been an instructor in Realty at BLM's National Training Center since 1997. Dan has a B.S. degree in Soils and Plant Nutrition from the University of California at Berkeley.