District | 1625 N French | 1. Hobbs, NM 88240 | District II | 1301 W Grand Avenue, Artesia, NM 88210 | District III | 1000 Rio Brazos Road, Aztec, NM 87410 | District IV | 1220 S. St. Francis Dr., Santa Fe, NM 87505

# State of New Mexico Energy Minerals and Natural Resources Department



Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 mfut

Form C-144 July 21, 2008

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.
For permanent pits and exceptions submit to

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

# Proposed Alternative Method Permit or Closure Plan Application AUG 11 2008 Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the ent. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances. OGRID #: <u>14424</u> Operator: McKay Oil Corporation Address: PO Box 2014, Roswell, NM 88201-2014 Facility or well name: Lookout D Federal #8 API Number: 30-005-\*64062 OCD Permit Number: U/L or Qtr/Qtr NW1/4/NW1/4 Section 9 Township 6S Range 22E County: Chaves Longitude <u>104°72' West</u> NAD: □1927 □ 1983 Center of Proposed Design: Latitude 33°81' North Surface Owner: 

☐ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment Pit: Subsection F or G of 19.15.17.11 NMAC Temporary: Drilling Workover Permanent Emergency Cavitation P&A String-Reinforced
 String-Reinforced Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) ☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other Lined Unlined Liner type: Thickness \_\_\_\_\_mil LLDPE HDPE PVC Other \_\_\_\_ Liner Seams: Welded Factory Other Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: bbl Type of fluid: Tank Construction material: ☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off ☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other 

Page 1 of 5 0208528

Alternative Method:

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of an

Fencin's: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)	
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school institution or church)	ı, nospitai,
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet	
Alternate. Please specify	
7.	
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen Netting Other	
Monthly inspections (If netting or screening is not physically feasible)	
8. Signs: Subsection C of 19.15.17.11 NMAC	
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
Signed in compliance with 19.15.3.103 NMAC	
Z3 organia in companies with 1990 or 1	
9. Administrative Approvals and Exceptions:	
Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	
Please check a box if one or more of the following is requested, if not leave blank:  Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau	u office for
consideration of approval.  Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
10.	
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accommaterial are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the application of the considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drabove-grade tanks associated with a closed-loop system.	ropriate district approval.
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ⊠ No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  (Applies to temporary, emergency, or cavitation pits and below-grade tanks)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☑ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  (Applies to permanent pits)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☑ No
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
Within the area overlying a subsurface mine.  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☑ No
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	☐ Yes 🛭 No
Within a 100-year floodplain FEMA map	☐ Yes ⊠ No

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC  Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API Number: 30-005-64002 or Permit Number: 0208123
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.  Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9  Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC  Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design)  API Number:
Previously Approved Operating and Maintenance Plan API Number:(Applies only to closed-loop system that use
above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.  Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  Climatological Factors Assessment  Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC  Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC  Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC  Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC  Quality Control/Quality Assurance Construction and Installation Plan  Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  Nuisance or Hazardous Odors, including H <sub>2</sub> S, Prevention Plan  Emergency Response Plan  Oil Field Waste Stream Characterization  Monitoring and Inspection Plan  Erosion Control Plan  Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System Alternative  Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.  ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling facilities are required.		
•	oosal Facility Permit Number	
•	posal Facility Permit Number:	
Will any of the proposed closed-loop system operations and associated activities occur o  Yes (If yes, please provide the information below)  No	n or in areas that will not be used for future ser	vice and operations?
Required for impacted areas which will not be used for future service and operations:  Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection I of I Site Reclamation Plan - based upon the appropriate requirements of Subsection G	9.15.17.13 NMAC	С
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closu provided below. Requests regarding changes to certain siting criteria may require additional considered an exception which must be submitted to the Santa Fe Environmental Bur demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for gu	ninistrative approval from the appropriate dis eau office for consideration of approval. Just	trict office or may be
Ground water is less than 50 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obta	ined from nearby wells	☐ Yes ☑ No ☐ NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obta	ined from nearby wells	☐ Yes ☑ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. <b>Ground Wat</b> - NM Office of the State Engineer - iWATERS database search; USGS; Data obta		⊠ Yes □ No □ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significal lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	nt watercourse or lakebed, sinkhole, or playa	Yes 🛛 No
Within 300 feet from a permanent residence, school, hospital, institution, or church in ex - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image		☐ Yes ☑ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than watering purposes, or within 1000 horizontal feet of any other fresh water well or spring,  NM Office of the State Engineer - iWATERS database; Visual inspection (certification)	, in existence at the time of initial application.	☐ Yes ⊠ No
Within incorporated municipal boundaries or within a defined municipal fresh water wel adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written approval obtained in the confirmation of the section of the municipality with a period of the confirmation of	,	☐ Yes ☐ No ☑ NA
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual insp	ection (certification) of the proposed site	☐ Yes ☒ No
Within the area overlying a subsurface mine.  - Written confirmation or verification or map from the NM EMNRD-Mining and Market	Mineral Division	☐ Yes ☑ No
Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & M Society; Topographic map	lineral Resources; USGS; NM Geological	☐ Yes ☑ No
Within a 100-year floodplain FEMA map		☐ Yes ⊠ No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the folioby a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Subs Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - Protocols and Procedures - based upon the appropriate requirements of 19.15.17.1  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cure Soil Cover Design - based upon the appropriate requirements of Subsection H of 1  Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.	ents of 19.15.17.10 NMAC ection F of 19.15.17.13 NMAC riate requirements of 19.15.17.11 NMAC based upon the appropriate requirements of 19.13 NMAC ents of Subsection F of 19.15.17.13 NMAC ection F of 19.15.17.13 NMAC ettings or in case on-site closure standards cannot 9.15.17.13 NMAC	15.17.11 NMAC
Site Reclamation Plan - based upon the appropriate requirements of Subsection G		

Operator Application Certification:  I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.
Name (Print): Carol Shanks Title: Production Analyst
Signature: Date: $\frac{8/8}{2008}$
e-mail address: <u>carol@mckayoil.com</u> Telephone: <u>(575) 623-4735</u>
OCD Approval: Permit Application (including closure plan) Closure Plan (only) COCD Conditions (see attachment)  OCD Representative Signature Signed By Wile Seminar Approval Date:
Title: DOS DISTrict II OCD Permit Number: 0208528
Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC  Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.
Closure Completion Date:
Closure Method:  Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only)  If different from approved plan, please explain.
23. Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.
Disposal Facility Name: Disposal Facility Permit Number:
Disposal Facility Name: Disposal Facility Permit Number:
Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?  Yes (If yes, please demonstrate compliance to the items below)  No
Required for impacted areas which will not be used for future service and operations:  Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.  Proof of Closure Notice (surface owner and division)  Proof of Deed Notice (required for on-site closure)  Plot Plan (for on-site closures and temporary pits)
☐ Confirmation Sampling Analytical Results (if applicable)         ☐ Waste Material Sampling Analytical Results (required for on-site closure)         ☐ Disposal Facility Name and Permit Number         ☐ Soil Backfilling and Cover Installation         ☐ Re-vegetation Application Rates and Seeding Technique         ☐ Site Reclamation (Photo Documentation)         On-site Closure Location: Latitude Longitude NAD: ☐ 1927 ☐ 1983
□ Waste Material Sampling Analytical Results (required for on-site closure)         □ Disposal Facility Name and Permit Number         □ Soil Backfilling and Cover Installation         □ Re-vegetation Application Rates and Seeding Technique         □ Site Reclamation (Photo Documentation)         On-site Closure Location: Latitude       Longitude         25.
□ Waste Material Sampling Analytical Results (required for on-site closure)         □ Disposal Facility Name and Permit Number         □ Soil Backfilling and Cover Installation         □ Re-vegetation Application Rates and Seeding Technique         □ Site Reclamation (Photo Documentation)         On-site Closure Location: Latitude       Longitude         NAD: □1927 □ 1983
Waste Material Sampling Analytical Results (required for on-site closure)   Disposal Facility Name and Permit Number   Soil Backfilling and Cover Installation   Re-vegetation Application Rates and Seeding Technique   Site Reclamation (Photo Documentation)   On-site Closure Location: Latitude Longitude NAD: ☐ 1927 ☐ 1983  25.    Operator Closure Certification:   I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and

e-mail address:\_

Telephone: \_\_\_

## New Mexico Energy, Minerals and Natural Resources Department

#### **Bill Richardson**

Governor

Joanna Prukop Cabinet Secretary Reese Fullerton Deputy Cabinet Secretary Mark Fesmire
Division Director
Oil Conservation Division



#### Conditions of approval for a drilling pit w/onsite disposal

Notify NMOCD District 2 office 48 hours prior to construction of pit.

Notify NMOCD District 2 office 48 hours prior to commencement of closure of pit.

Notify NMOCD District 2 office 48 hours prior to obtaining samples of pit contents.

Sample analyses of pit contents are to be submitted to NMOCD and approval obtained prior to commencement of onsite disposal operations. In the event analytical requirements are not met, the alternative closure method will be required.

Notify NMOCD District 2 office 48 hours prior to obtaining samples of pit bottom.

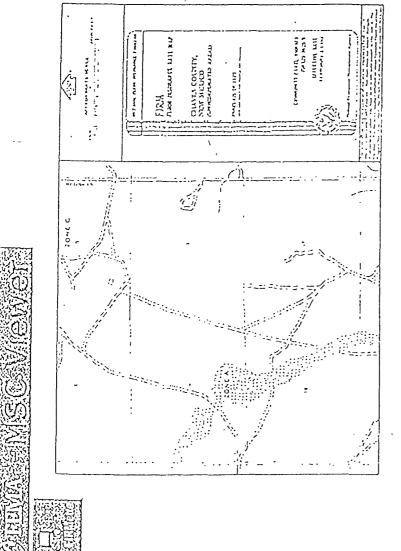


LOOKOUT "D" Fed #8 McKay Oil Corporation SEC 9, T65, RZZE, CHAVES CO. SEP - 4 2008 LOOKOUT "D" Fed#8 OCD-ARTESIA **APPROXIMATE SCALE** 2000 2000 FEET NATIONAL FLOOD INSURANCE PROGRAM FIRM FLOOD INSURANCE RATE MAP CHAVES COUNTY, **NEW MEXICO** (UNINCORPORATED AREAS) PANEL 600 OF 1625 (SEE MAP INDEX FOR PANELS NOT PRINTED) COMMUNITY-PANEL NUMBER 350125 0600 B EFFECTIVE DATE: FEBRUARY 2,1983 22 23

Siting Requirement

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance. Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



990' FNL & 2160' FEL, NW %NW %, Unit B, SEC 9, T6S, R22E LOOKOUT D FEDERAL #8

3

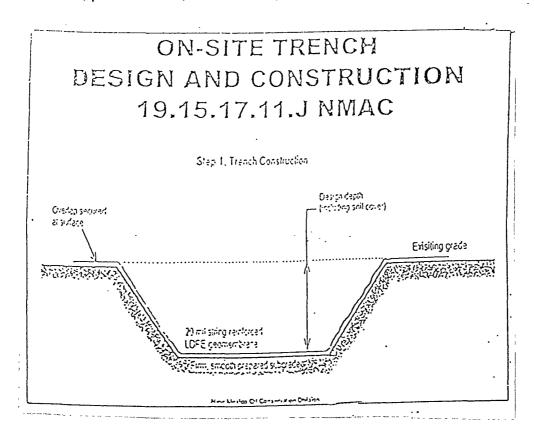
## LOOKOUT D FEDERAL #8 990' FNL & 2160' FEL, NW 1/2NW 1/4, Unit B, SEC 9, T6S, R22E API: 30-005-\*

McKay Oil Corporation P. O. Box 2014 Roswell, NM 88202

#### PIT DESIGN AND CONSTRUCTION SPECIFICATIONS (19.15.17.11)

#### **General Specifications**

- 1. Any topsoil, which can sustain plant vegetation, will be bladed and piled for future rehabilitation.
- 2. The location slopes very slightly to the east and southeast.
- 3. The 40' X 60' pit shall be constructed and maintained so that runoff water from outside the location is not allowed to enter the pit. The berms surrounding the entire perimeter of the pit shall extend a minimum of two (2) feet above ground level. At no time will standing fluids in the pit be allowed to rise above ground level.
- 4. Pit will be properly constructed on firm unyielding base, free of large rocks, debris and sharp edges to support all liquids and prevent tears.
- 5. A 20 MIL, low linear density polyethylene (LLDPE), string-reinforced liner, with factory-welded seams will be placed on excavated ground bed by qualified a qualified backhoe service. Liner will be large enough to reduce stress-strain on the liner.
- 6. Anchor trench will be 18" deep and all edges anchored securely.
- 7. A four foot high, four-stranded barbed wire fence, evenly spaced between 4', will be erected around 3 sides on three (3) sides during drilling operations. The fourth side shall be fenced immediately upon rig release.
- 8. A well sign has been placed at entrance of facility, thus Operator is exempt from placing an additional sign on location, per Rule 103, 19.15.3.103, NMAC.



## LOOKOUT D FEDERAL #8 990' FNL & 2160' FEL, NW ½NW ½, Unit B, SEC 9, T6S, R22E API: 30-005-\*

McKay Oil Corporation P. O. Box 2014 Roswell, NM 88202

#### PIT OPERATING AND MAINTENANCE PLAN (19.15.17.12)

#### **General Specifications**

- 1. Thru the end of drilling operations, fluid contents will be monitored and reported daily on drilling reports submitted and maintained in Operator's Office.
- 2. At least two feet of freeboard will be maintained for pit.
- 3. Only fluids generated during drilling process will be discharged into pit.
- 4. Pit liner will be inspected daily for tears and/or leaks and for pit liner's integrity.
- 5. Division office will be notified within 48 hours if damage is discovered and liner will be repaired.
- 6. Free liquids will be removed from pit within 30 days from the date rig is released.

## LOOKOUT D FEDERAL #8 990' FNL & 2160' FEL, NW ¼NW ¼, Unit B, SEC 9, T6S, R22E API: 30-005-\*

McKay Oil Corporation P. O. Box 2014 Roswell, NM 88202 (575) 623-4735

#### PIT CLOSURE PLAN (19.15.17.13)

#### **Onsite Trench burial Closure Method**

- 1. Operator will remove all liquid contents in 40' X 60' pit and allow to the bottom of pit to dry.
- 2. Dig trench 2 (<u>west</u> side of trench 1 pit area) big enough to put all of the cuttings in. Leave enough room for 4' backfill material. (NOTE: Trench size depends on the amount of cuttings, rock formations, surrounding terrain and mud solidity.)
- 3. Line trench 2 with 20 MIL liner, and in accordance with the design and construction requirements specified in Subsection J of 19.15.17.11 NMAC.
- 4. Fill trench 2 with cuttings, original pit liner and any contaminated soil.
- 5. Solidify the contents to a bearing capacity sufficient to support the temporary pit's final cover of the trench burial. Operator shall not exceed the 3:1 mixing ratio (soil or other material to contents).
- 6. Collect \*soil samples (see Exhibit A) from inside trench 1 area consisting of a five-point, composite soil sample. Collect individual grab samples from any area that is wet, discolored or showing other evidence of a release.
- 7. Cap trench 2 with 20 MIL liner.
- 8. Backfill trench 1 area with 4' of topsoil.
- 9. Backfill trench 2 area with 4' of topsoil, re-contour where applicable to conform to original topography of the area.
- 10. Place steel marker at the center of on-site burial. Marker shall be 4" in diameter, cemented 3' beneath ground and extending 4' above ground level. Sign engraved with: Operator, Lease, Unit letter, Section, Township and range.
- 11. File deed with Chaves County Clerk identifying exact location of on-site burial.
- 12. Seed entire pit area per BLM specifications.

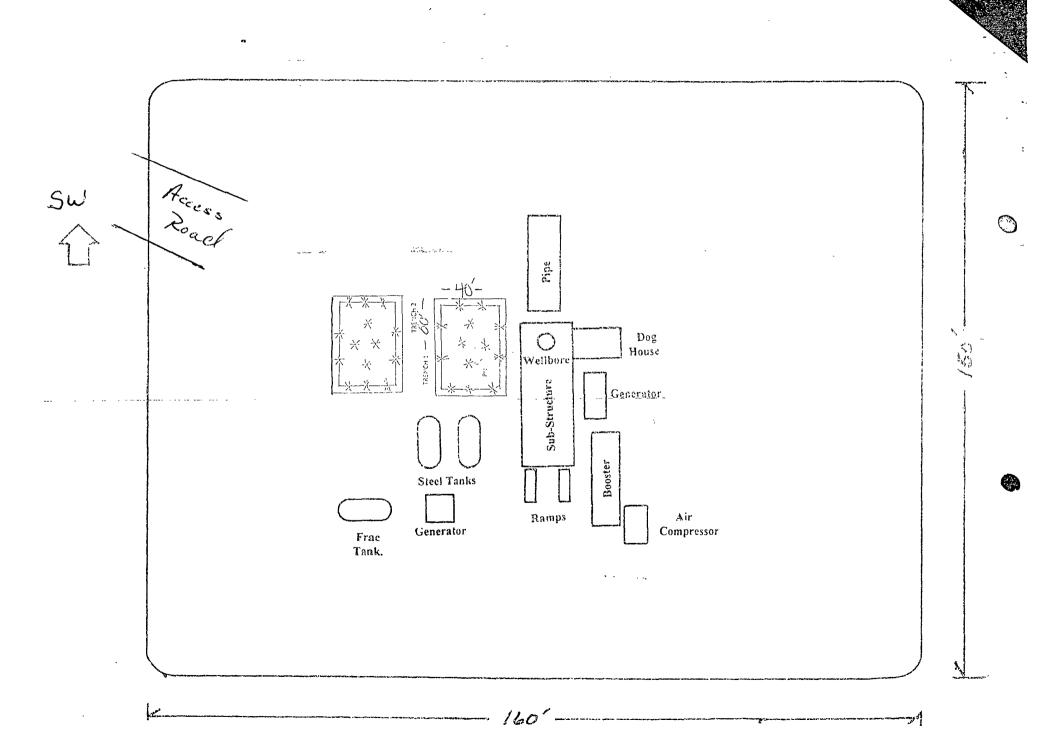
#### **Quality Control**

- 1. \*Soil samples will be collected per EPA SWA-846 protocol. Samples will be kept in sterile sample-dedicated containers and homogenized with a trowel. After sample containers are filled, they will be immediately sealed, and processed for shipment to the Cardinal Laboratory in Hobbs, NM for TPH and Chloride testing. TPH not to exceed 2.500 mg. Chlorides not to exceed 250mg. Cardinal Lab will prepare an analytical data report of the soil.
- 2. Cardinal Lab will report back to McKay Oil, results from soil samples.
- 3. Operator to submit Form C-141, with Analytical Data Report, to OCD.

Cardinal Laboratories (Soil Analysis)

101 E. Marland Hobbs, NM 88240 Contact: Larry Bailey (575) 393-2326 (or) 800-588-5227

**Talon, LPE** (Soil Sampler) 318 E. Taylor Hobbs, NM 88240 Contact: Shelly Tucker (575) 706-7234



## LOOKOUT D FEDERAL #8 990' FNL & 2160' FEL, NW ¼NW ¼, Unit B, SEC 9, T6S, R22E API: 30-005-\*

McKay Oil Corporation P. O. Box 2014 Roswell, NM 88202 (575) 623-4735

#### PIT CLOSURE METHOD (19.15.17.13) - ALTERNATE PLAN

#### Waste Excavation and Removal

- 1. Operator will remove all liquid contents in 40' X 60' pit and allow the bottom of pit to dry.
- 2. Pile cuttings and original pit liner in Roll-off Box on west side of pit area.
- 3. Collect \*soil samples (see Exhibit A) from inside trench 1 area consisting of a five-point, composite soil sample. Collect individual grab samples from any area that is wet, discolored or showing other evidence of a release.
- 4. Haul off drill cuttings, liquid contents and any contaminated soil in Roll-off Box to \*Gandy Marley Landfill.
- 5. Backfill trench 1 area with 4' of topsoil.
- 6. Re-contour where applicable to conform to original topography of the area.
- 7. Seed entire pit area per BLM specifications.

#### **Quality Control**

- 1. \*Soil samples will be collected per EPA SWA-846 protocol. Samples will be kept in sterile sample-dedicated containers and homogenized with a trowel. After sample containers are filled, they will be immediately sealed, and processed for shipment to the Cardinal Laboratory in Hobbs, NM for benzene and chloride analytical testing. Cardinal Lab will prepare an analytical data report of the soil.
- 2. Cardinal Lab will report back to McKay Oil, results from soil samples.
- Operator to submit Form C-141, with Analytical Data Report, to OCD.

#### Cardinal Laboratories (Soil Analysis)

101 E. Marland Hobbs, NM 88240 Contact: Larry Bailey (575) 393-2326 (or) 800-588-5227

**Talon, LPE** (Soil Sampler) 318 E. Taylor Hobbs, NM 88240 Contact: Shelly Tucker (575) 706-7234

Gandy Marley (Waste Disposal) PERMIT NO: NM-711-1-0020 Mile Marker 196, US 380 E Roswell, NM 88201 (575) 626-6513

## LOOKOUT D FEDERAL #8 990' FNL & 2160' FEL, NW ¼NW ¼, Unit B, SEC 9, T6S, R22E API: 30-005-\*

McKay Oil Corporation P. O. Box 2014 Roswell, NM 88202 (575) 623-4735

#### PIT PROOF OF SURFACE OWNER NOTICE (19.15.17.13)

#### **Proof of Surface Owner Notice**

1. APD Application to drill approved. Sundry Notice to be submitted on date well spud.

FORM APPROVED Form 3160-3 OMB No 1004-0137 Expires March 31, 2007 (April 2004) UNITED STATES Lease Senai No. DEPARTMENT OF THE INTERIOR NM 36192 BUREAU OF LAND MANAGEMENT 6. If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7 If Unit or CA Agreement, Name and No ✓ DRILL la. Type of work REENTER 8 Lease Name and Well No Oil Well | Gas Well | Other ✓ Single Zone Multiple Zone lb Type of Well Lookout D Federal #8 9 API Well No. Name of Operator McKay Oil Corporation 3a. Address PO Box 2014 3b Phone No. (include area code) 10 Field and Pool, or Exploratory Roswell, NM 88202-2014 505-623-4735 W. Pecos ABO Slope 11 Sec., T. R. M. or Blk. and Survey or Area Location of Well (Report location clearly and in accordance with any State requirements.\*) 990' FNL & 2160' FEL At surface Unit B, Sec. 9, T6S, R22E At proposed prod zone 12 County or Parish 13. State 14 Distance in miles and direction from nearest town or post office\* Approximately 25 miles Chaves NM 15 Distance from proposed 16 No of acres in lease 17 Spacing Unit dedicated to this well 990' FNL location to nearest property or lease line, ft 2400.00 (Also to nearest drig unit line, if any) Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft 20 BLM/BIA Bond No. on file 19 Proposed Depth 4300 Elevations (Show whether DF, KDB, RT, GL, etc.) 22 Approximate date work will start\* 23 Estimated duration 43391 06/15/2008 7-10 days 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No 1, shall be attached to this form 1. Well plat certified by a registered surveyor Bond to cover the operations unless covered by an existing bond on file (see 2 A Drilling Plan Item 20 above) 3 A Surface Use Plan (if the location is on National Forest System Lands, the Operator certification Such other site specific information and/or plans as may be required by the authorized officer. SUPO shall be filed with the appropriate Forest Service Office) 25 Signature Name (Printed Typed) 05/15/2008 Janies L. Schultz Title Agent Date Approved by (Signature) Name (Printed/Typed)

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

<sup>\*(</sup>Instructions on page 2)

#### **LOOKOUT D FEDERAL #8** 990' FNL & 2160' FEL, NW 1/4NW 1/4, Unit B, SEC 9, T6S, R22E API: 30-005-\*

McKay Oil Corporation P. O. Box 2014 Roswell, NM 88202 (575) 623-4735

#### PIT SITING REQUIREMENTS (19.15.17.10)

<u>Siting Requirements</u>
See attachments - applicable to this permit request.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.	
<ul> <li>a. Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.</li> <li>NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells</li> </ul>	☐ Yes ⊠ No
<ul> <li>b. Ground water is between 50 and 100 feet below the bottom of the buried waste</li> <li>NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells</li> </ul>	☐ Yes ⊠ No
<ul> <li>c. Ground water is more than 100 feet below the bottom of the buried waste.</li> <li>NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells</li> </ul>	⊠ Yes □ No
<ul> <li>d. Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).</li> <li>Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	☐ Yes ⊠ No
<ul> <li>e. Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks)</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	☐ Yes ☑ No
f. Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
<ul> <li>g. Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.</li> <li>Written confirmation or verification from the municipality; Written approval obtained from the municipality</li> </ul>	☐ Yes ☐ No ☑ NA
<ul> <li>h. Within 500 feet of a wetland.</li> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	☐ Yes ⊠ No
<ul> <li>i. Within the area overlying a subsurface mine.</li> <li>Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division</li> </ul>	☐ Yes ⊠ No
<ul> <li>j. Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	☐ Yes ☑ No
k. Within a 100-year floodplain FEMA map	☐ Yes ⊠ No

#### McKay Oil Corporation Lookout D Federal #8 SEC 9, T6S, R22E

- 1. Per BLM Hydrologist dated July 2008, Ground Water Depth = 750'
- 2 Per 'Declaration Owner of Underground Water Right No. RA-8373', dated 1/5/92 (SEC 11 for comparison) Ground Water Depth = 350' below land surface.

  \*Note: No records established in NM State Engineer's office specific to SEC 9, as of August 2008.

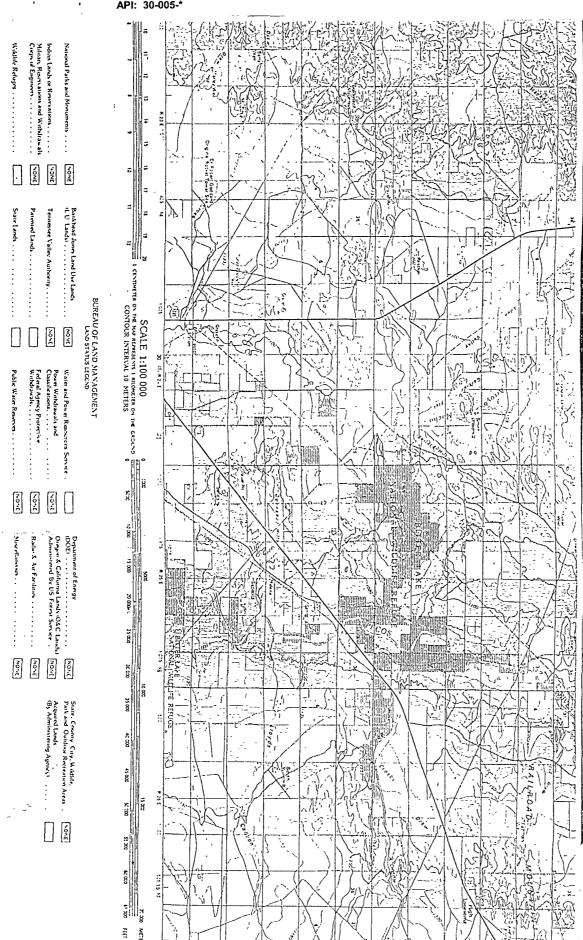
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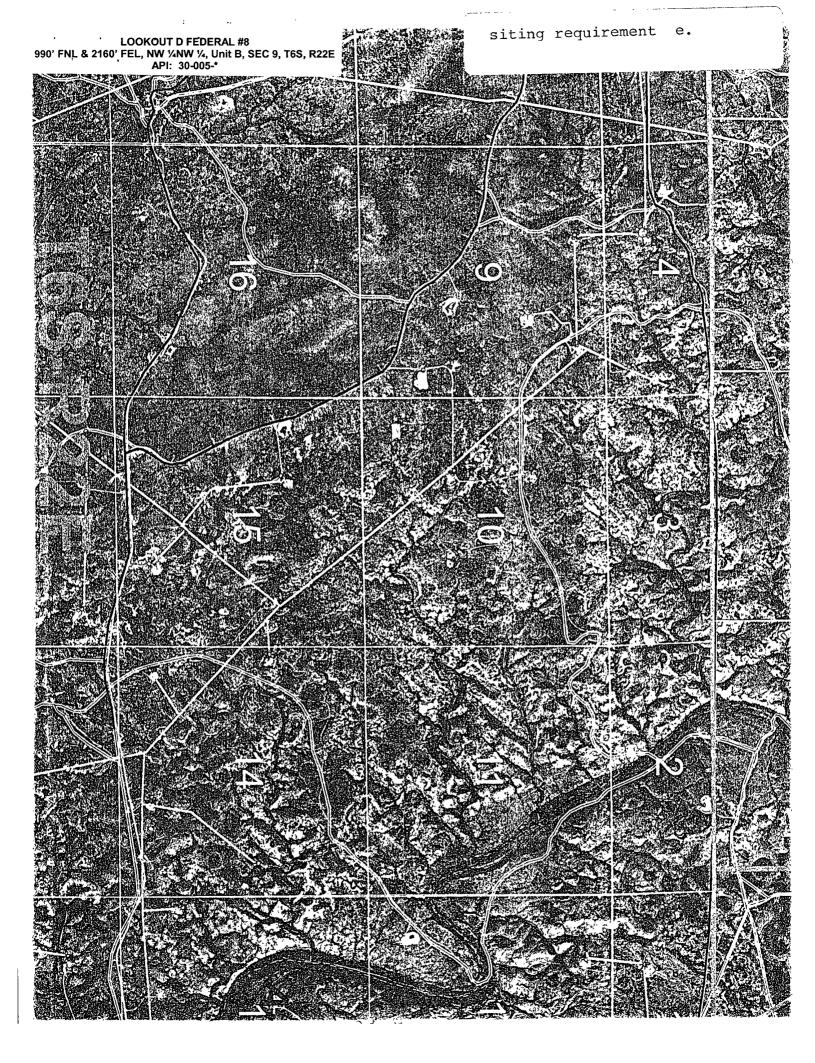
S. r. a.b.c. a.y
Revised December 1975

UCTIONS ON BACK BEFORE FILLING OUT THIS FORM.

Declaration	of	Owner o	of	Underground	Water	Right
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-03-133- 00 620	BASIN NAME	Juno	 5 1002	
Declaration No	Date rec	cived	J, 1992	
	STATEMENT			
l. Name of Declarant <u>Betty J. Moats</u>				
Mailing Address PO Box 847 Roswell			·	
County of Chaves				
2. Source of water supply Shallow Wat	er Aquifer (artesian or sha	Now water aquifer	)	
Describe well location under one of the following subh		T 6.C	n 931	
Chaves Cou	unty.		•	
b. Tract No of Map No c. X = feet, Y =				
in the				
On land owned by				
4. Description of well: date drilled About 191	3 driller	unknown	depth146. <sup>†</sup>	icet.
outside diameter of casing 6 inches; orig	inal capacity <u>unl</u>	cnown gall per mi	n.; present capacity_	20
gal. per min.; pumping lift_350_feet; static	water level <u>350</u>	(cet <del>(p.p.y.c.)</del> (be	low) land surface;	
make and type of pump 14 HP electric	submersible	3	· · · · · · · · · · · · · · · · · · ·	
make, type, horsepower, etc., of power plant				
Fractitional or percentage interest claimed in w	vell 100%	* Fr		
5. Quantity of water appropriated and beneficially		,	3	
	lacro le		(acre feet per ann	num)
for Livestock and domestic.	,			purposes.
. Acreage actually irrigated 0 acres, loca	ited and described	as follows (descri	ribe only lands actual	ly irrigated):
		Acres		
Subdivision Sec.	Twp. Range	Irrigated	Owner	
			-	
			· · · · · · · · · · · · · · · · · · ·	
			<u></u>	
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EE .				
(Note: location of well and acreage act	tually irrigated must	be shown on plat or	reverse side.)	
· · ·			And SH	ce the time
. Water was first applied to beneficial use about mo has been used fully and continuously on all of the	onth di	y y	above described-maps	ses Sexcept
		d lands of for the	<u>ш</u> ш	Z
as follows:				ري د
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. Additional statements or explanations Nat	me: House w	e11	XICO FFIC	<u> </u>
Ori	iginal denth	1/6' rewor	ked over the y	ears to
	rrent depth			
26				
1, BETT13 11. N10075  depose and say that the above is a full and comp	plete statement pr	epared in accorda	ing first duly sworn u nce with the instruction	pon my oath, ons on the re
verse side of this form and submitted in evidence	e of ownership of	a valid undergrou	nd water right, that I l	have carefull
read each and all of the items contained therein	-			
	12	· the Do	) Monti	_, declarant.
	by:			
Subscribed and sworn to before me this 27	ol	day of	attern Notary	D. 19 92
dy commission expires <u>10-19-93</u>		Jones M	ather Norary	Public
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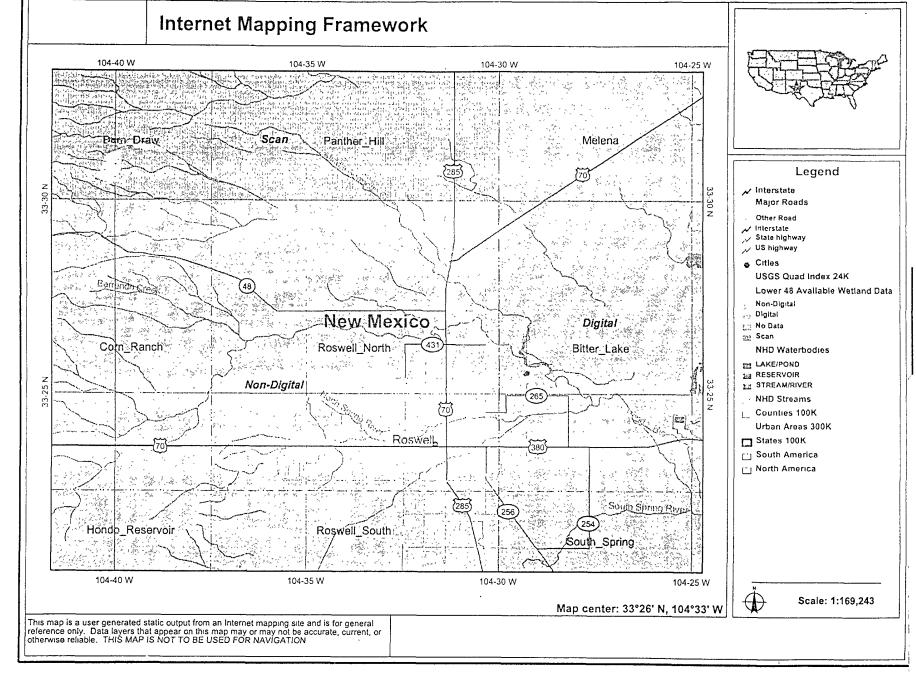
#### siting requirement f.

LOQKOUT D FEDERAL #8
990' FNL & 2160' FEL, NW ¼NW ¼, Unit B, SEC 9, T6S, R22E
API: 30-005-\*

	Township 06S	Range 23E	Sections 17	
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County Ch	H 🛮 Bas	in <sup>.</sup>	1 m	Number Suffix
Owner Name	e (First)	(La:	st)	— ○ Non-Domestic ○ Domestic ● All
POD	/ Surface Data Repo	ort	Avg Depth to Water	Report Water Column Report
		Clear Form	WATERS Me	nu [Help]
D	OD / SURFACE DA	TA DEPODIT O	7/22/2008	
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No Records found

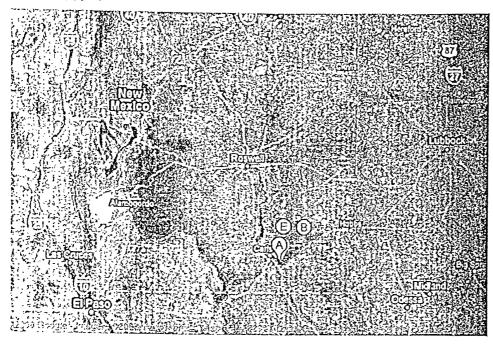
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## LOOKOUT D FEDERAL #8 990' FNL & 2160' FEL, NW 1/2NW 1/4, Unit B, SEC 9, T6S, R22E $^{\circ}$ $^{\circ}$ $^{\circ}$ API: 30-005-\*

# Google

Results 1-5 of about 17 for potash mines near Chaves County, New Mexico



- A Mosaic Potash Carlsbad 1361 Potash Mines Rd, Carlsbad, NM<sub>2</sub>- (575) 887-2871
- C Highlands Gas 260 Potash Mines Rd, Loving, NM - (575) 745-2315
- E Intrepid Potash 6288 Hobbs Hwy, Carlsbad, NM - (575) 885-3134
- B Intrepid Potash East 210 Red Cloud, Carlsbad, NM - (575) 887-1117
- D Intrepid Potash1996 Potash Mines Rd, Carisbad, NM (575) 887-5591

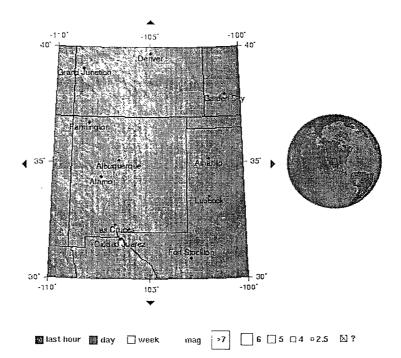
No mining activity in Chaves County, New Mexico

## LOOKOUT D FEDERAL #8 990' FNL 8,2160' FEL, NW ¼NW ¼, Unit B, SEC 9, T6S, R22E API: 30-005-\*

**ZUSES** 

#### Earthquake Hazards Program

#### 10-degree Map Centered at 35°N,105°W



#### Instructions

- Click on an earthquake for more information
- Click on blue arrows around map to see next map in that direction.

#### **Tips**

- To convert UTC to US time zones, see this list or this table
- Magnitude = ? for new earthquakes until a magnitude is determined.
- Maps show events recorded in the last 7 days with M2 5+ within the United States and adjacent areas, M4 0+ in the re st of the world.
- Maps are updated whenever a new earthquake has been located. Try to reload this page if you do not have the most cur rent map.

#### Earthquake Lists

- · List of Earthquakes on this Map
- World M2 5/4+ Earthquake list
- World M5+ Earthquake list

#### Did you feel it?

Report an Earthquake

#### Back

- Back to List of Regional Maps
- Back to World Map

U.S. Department of the Interior | U.S. Geological Survey

 $URL: \ http://earthquake.usgs.gov/eqcenter/recenteqsww/Maps/degree10/255\_35.php$ 

Page Contact Information: EHP Web Team

Page Last Modified: September 04, 2007 22:31:33 UTC



#### Earthquake Hazards Program

#### Earthquake List for 10-degree Map Centered at 35°N, 105°W

Update time = Fri Jun 13 20:12:07 UTC 2008

There are no earthquakes on the 10-degree Map Centered at 35°N, 105°W at this time.

Back to 10-degree Map Centered at 35°N, 105°W

U.S. Department of the Interior | U.S. Geological Survey

URL: http://earthquake.usgs.gov/eqcenter/recenteqsww/Maps/degree10/255\_35\_eqs.php

Page Contact Information: EHP Web Team

Page Last Modified: June 13, 2008 20:12:12 UTC age Last Modified: June 13, 2008 20:12:12 UTC



#### **Earthquake Hazards Program**

#### **New Mexico**

#### **Earthquake History**

Most of New Mexico's historical seismicity has been concentrated in the Rio Grande Valley between Socorro and Albuquerque. About half of the earthquakes of intensity VI or greater (Modified Mercalli intensity) that occurred in the State between 1868 and 1973 were centered in this region.

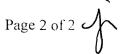
The earliest reported earthquake in New Mexico was an intensity V tremor that occurred near Socorro on April 20, 1855. In the years that followed, Socorro was struck by numerous low to moderate intensity earthquakes. Most of these caused little or no damage and were felt over a small area. However, beginning on July 2, 1906, and lasting well into 1907 the area was affected by shocks almost daily. There were three fairly severe shocks in this series. The first was an intensity VII tremor that struck on July 12 and cracked some adobe walls and threw others down. Ground fissures and visible waves on the surface were reported with this earthquake. Another shock of intensity VII on July 16, was felt at Raton, about 370 km northeast of Socorro and at Douglas, Arizona, about 420 km southwest. The epicenter was probably about 16 km west of Socorro. On November 15, an intensity VII shock was felt over an area of about 250,000 square kilometers. Rumbling sounds were heard during this earthquake. Later shocks occurred at Socorro on July 18, 1913 (intensity V), January 31, 1919 (intensity IV-V), and February 1, 1919 (intensity V). An intensity V earthquake cause slight damage at Socorro on January 7, 1934. The most recent shock to affect the area occurred on July 3, 1961, causing-slight damage at Socorro (intensity VI).

The towns of Bernardo and La Joya, about 30 kilometers and 40 kilometers north of Socorro, have been the center of a number of moderately strong earthquakes. On February 20, 1935, an intensity VI shock damaged adobe and concrete buildings at Bernardo. This earthquake was accompanied by a thunderous roar. On July 22, 1960, an intensity V tremor knocked some items from shelves at La Joya. The next day, a weak adobe wall was toppled and adobe buildings were cracked by an intensity VI earthquake. The total felt area of this shock was about 7,800 square kilometers. One day later on July 24, an intensity V shock broke two small windows at Boys Ranch and awakened many persons at Bernardo.

Belen, about 56 kilometers south of Albuquerque, experienced a series of earthquakes that lasted from December 12 to 30, 1935. Loud subterranean sounds accompanied a strong shock on December 17, that cracked the brick wall of an old public school buildings in Belen. In addition, there were reports of fallen plaster and small objects shaken from shelves. Numerous weak intermittent tremors were felt in the area, with additional slight damage from tremors on December 19 and 21.

The area around Los Lunas was affected by a series of earthquakes in 1893 that lasted for about 3 months. On September 7, 1893, five strong shocks, the most severe of intensity VII, struck Los Lunas. Many adobe buildings, weakened by earlier disturbances, were thrown down. Felt reports were also received from Sabainal.

Albuquerque has been the center of several moderately strong shocks. On July 12, 1893, three intensity V earthquakes shook every house in the city. Clocks stopped, and one report told of a chandelier swinging for 10 minutes. On December 3, 1930, two distinct shocks cracked plaster and dishes. A strong localized shock of intensity VI on February 4, 1931, caused people to leave houses and created a near panic situation in theaters. Many people



reported they were thrown from bed. Some building damage and landslides occurred. On November 6, 1947, Zamora, slightly east of Albuquerque, was shaken by an earthquake. Cracks were reported in plaster and a fireplace.

Minor plaster cracks in a bank building in Albuquerque were reported from an intensity V earthquake on November 3, 1954. The shock was also felt at Bernalillo, Sandoval, and Sandia Pueblo. A lighter shock on November 2 was fel over the same area. An earthquake, measured at 3.8, on November 28, 1970, awakened thousands at Albuquerque. The shock had a felt area of 3,000 square kilometers. The roof of a barn collapsed and a rooftop airconditioner shook loose and fell through a skylight. Plaster cracks, broken windows, and many other instances of minor damage were reported. Many burglar alarms were activated. On January 4, 1971, another shock caused considerable minor damage in Albuquerque, principally at the University of Albuquerque.

An earthquake with strong local effects occurred on May 18, 1918, in Santa Fe county. At Cerrillos, people were thrown off their feet, a break in the earth's surface was noted, and fallen plaster was reported (intensity VII - VIII). Similar effects were noted at Stanley.

On January 22, 1966, a magnitude 5.5 earthquake centered near Dulce affected about 39,000 square kilometers of northwestern New Mexico and southwestern Colorado. Nearly every building in Dulce was damaged to some degree; many buildings had exterior and interior damage and considerable chimney damage was noted. The principal property damage was sustained at the Bureau of Indian Affairs School and Dormitory Complex and at the Dulce Independent Schools. Rockfalls and landslides occurred along Highway 17, about 15 to 25 km west of Dulce; in addition some minor cracks appeared in the highway. Minor damage was also reported at Lumberton, NM, and Edith, Colorado.

A magnitude 4.1 shock on December 24, 1973, occurred near Grants. The tremor caused minor damage in the Grants area and was also felt at Laguna, Bluewater, and Fort Wingate. Maximum reported intensity was V.

Abridged from Earthquake Information Bulletin, Volume 7, Number 3, May-June 1975, by Carl von Hake

For a list of earthquakes that have occurred since this article was written, use the Earthquake Search.

U.S. Department of the Interior | U.S. Geological Survey

URL: http://earthquake.usgs.gov/regional/states/new\_mexico/history.php

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Page Last Modified: February 08, 2008 19:23:37 UTC

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### About.com Geology

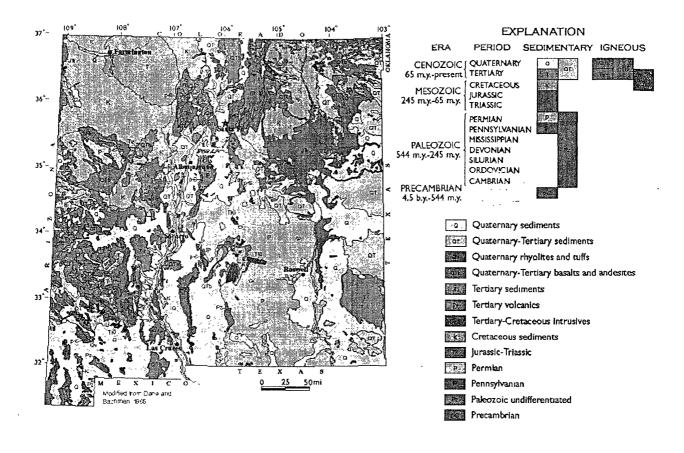


#### Geologic Map of New Mexico

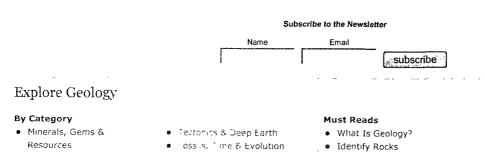
Geologic Maps of the U.S. States

Back to the New Mexico page

#### GENERALIZED GEOLOGIC MAP of NEW MEXICO



Back to the New Mex co page





#### Recent Helicorder Displays New Mexico Seismic Network

#### ANMO BHZ IU: Albuquerque USGS Seismological Lab

#### **BAR EHZ SC: Barrett**

#### **BMT EHZ SC: Bear Mountains**

#### **CAR EHZ SC: Carthage**

 $\frac{07/14/2008 (00) | 07/13/2008 (00) | 07/12/2008 (00) | 07/11/2008 (00) | 07/10/2008 (00) | 07/10/2008 (00) | 07/09/2008 (00) | 07/08/2008 (00) | 07/07/2008 (00) | 07/06/2008 (00) | 07/05/2008 (00) | 07/04/2008 (00) | 07/01/2008 (00) | 06/30/2008 (00) | 06/29/2008 (00) | 06/29/2008 (00) | 07/01/2008 (00) | 06/29/2008 (00) | 06/29/2008 (00) | 06/29/2008 (00) | 07/01/2008 (00) | 06/29/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/20$ 

#### CARB BHE SC: Carthage Broadband Z

 $\frac{11/14/2007\ (00)\ |\ 11/13/2007\ (00)\ |\ 11/12/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/10$ 

#### **CARB BHN SC: Carthage Broadband N**

 $\frac{11/14/2007\ (00)\ |\ 11/13/2007\ (00)\ |\ 11/12/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/10/2007\ (00)\ |\ 11/09/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08/2007\ (00)\ |\ 11/08$ 

#### **CARB BHZ SC: Carthage Broadband E**

 $\frac{11/14/2007\ (00)\ |\ 11/13/2007\ (00)\ |\ 11/12/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11/2007\ (00)\ |\ 11/11$ 

#### **CBET EHZ SC: Carlsbad East Tower**

#### CBKS BHZ US: Cedar Bluffs, KS

#### **CL2B EHZ SC: Gnome Location**

07/14/2008 (00) | 07/13/2008 (00) | 07/12/2008 (00) | 07/11/2008 (00) | 07/10/2008 (00) | 07/09/2008 (00) | 07/08/2008 (00) | 07/07/2008 (00) | 07/06/2008 (00) | 07/05/2008 (00) | 07/04/2008 (00) | 07/01/2008 (00) | 06/30/2008 (00) | 06/29/2008 (00)

#### **CL7 EHZ SC: WIPP Site**

 $\begin{array}{c} 07/14/2008 \ (00) \ | \ 07/13/2008 \ (00) \ | \ 07/12/2008 \ (00) \ | \ 07/11/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \\ 07/09/2008 \ (00) \ | \ 07/08/2008 \ (00) \ | \ 07/07/2008 \ (00) \ | \ 07/06/2008 \ (00) \ | \ 07/05/2008 \ (00) \ | \\ 07/04/2008 \ (00) \ | \ 07/01/2008 \ (00) \ | \ 06/30/2008 \ (00) \ | \ 06/29/2008 \ (00) \ | \\ \end{array}$ 

#### **CPRX EHZ SC: Cap Rock**

#### **DAG EHZ SC: Dagger Draw**

#### **GDL2 EHZ SC:** Guadalupe Mountains

#### HTMS EHZ SC: Hat Mesa

#### ISCO BHZ US: Idaho Springs, CO

 $\frac{07/14/2008\ (00)\ |\ 07/13/2008\ (00)\ |\ 07/12/2008\ (00)\ |\ 07/11/2008\ (00)\ |\ 07/10/2008\ (00)\ |\ 07/09/2008\ (00)\ |\ 07/08/2008\ (00)\ |\ 07/07/2008\ (00)\ |\ 07/06/2008\ (00)\ |\ 07/05/2008\ (00)\ |\ 07/04/2008\ (00)\ |\ 07/01/2008\ (00)\ |\ 06/30/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/20$ 

#### LAZ EHZ SC: Sierra Ladrones

 $\frac{07/14/2008\ (00)\ |\ 07/13/2008\ (00)\ |\ 07/12/2008\ (00)\ |\ 07/11/2008\ (00)\ |\ 07/10/2008\ (00)\ |}{07/09/2008\ (00)\ |\ 07/08/2008\ (00)\ |\ 07/07/2008\ (00)\ |\ 07/06/2008\ (00)\ |\ 07/05/2008\ (00)\ |}{07/04/2008\ (00)\ |\ 07/01/2008\ (00)\ |\ 06/30/2008\ (00)\ |\ 06/29/2008\ (00)\ |}$ 

#### LEM EHE SC: Lemitar E

#### **LEM EHN SC: Lemitar N**

#### LEM EHZ SC: Lemitar Z

#### **LPM EHZ SC: Los Pinos Mountains**

#### MLM EHZ SC: Mesa Lucero

 $\begin{array}{c} 07/14/2008\ (00)\ |\ 07/13/2008\ (00)\ |\ 07/12/2008\ (00)\ |\ 07/11/2008\ (00)\ |\ 07/10/2008\ (00)\ |\\ 07/09/2008\ (00)\ |\ 07/08/2008\ (00)\ |\ 07/07/2008\ (00)\ |\ 07/06/2008\ (00)\ |\ 07/05/2008\ (00)\ |\\ 07/04/2008\ (00)\ |\ 07/01/2008\ (00)\ |\ 06/30/2008\ (00)\ |\ 06/29/2008\ (00)\ |\\ \end{array}$ 

#### **SBY EHZ SC: South Baldy**

07/14/2008 (00) | 07/13/2008 (00) | 07/12/2008 (00) | 07/11/2008 (00) | 07/10/2008 (00) | 07/09/2008 (00) | 07/08/2008 (00) | 07/07/2008 (00) | 07/06/2008 (00) | 07/05/2008 (00) | 07/04/2008 (00) | 07/01/2008 (00) | 06/30/2008 (00) | 06/29/2008 (00)

#### SDCO BHZ US: Sand Dunes National Park, CO

#### SMC EHZ SC: Southern Magdalena Mountains

 $\frac{07/14/2008\ (00)\ |\ 07/13/2008\ (00)\ |\ 07/12/2008\ (00)\ |\ 07/11/2008\ (00)\ |\ 07/10/2008\ (00)\ |}{07/09/2008\ (00)\ |\ 07/08/2008\ (00)\ |\ 07/05/2008\ (00)\ |} \frac{07/09/2008\ (00)\ |\ 07/09/2008\ (00)\ |\ 07/09/2008\ (00)\ |}{07/04/2008\ (00)\ |\ 07/01/2008\ (00)\ |\ 06/30/2008\ (00)\ |\ 06/29/2008\ (00)\ |}$ 

#### **SRH EHZ SC: Seven River Hills**

#### SSS EHZ SC: San Simon Sink

07/14/2008 (00) | 07/13/2008 (00) | 07/12/2008 (00) | 07/11/2008 (00) | 07/10/2008 (00) |

07/09/2008 (00) | 07/08/2008 (00) | 07/07/2008 (00) | 07/06/2008 (00) | 07/05/2008 (00) | 07/04/2008 (00) | 07/01/2008 (00) | 06/30/2008 (00) | 06/29/2008 (00)

#### WIS IS1 SC: Workman Infrasound

#### WTX EHZ SC: Wood's Tunnel (NMT)

#### WUAZ BHZ US: Wupatki, AZ

#### Y22D BHE TA: IRIS PASSCAL, Socorro, NM

#### Y22D BHN TA: IRIS PASSCAL, Socorro, NM

#### Y22D BHZ TA: IRIS PASSCAL, Socorro, NM

#### S21A BHE TA: Coal Bank Pass, CO

#### S21A BHN TA: Coal Bank Pass, CO

#### S21A BHZ TA: Coal Bank Pass, CO

07/14/2008 (00) | 07/13/2008 (00) | 07/12/2008 (00) | 07/11/2008 (00) | 07/10/2008 (00) | 07/09/2008 (00) | 07/08/2008 (00) | 07/07/2008 (00) | 07/06/2008 (00) | 07/05/2008 (00) |

 $07/04/2008(00) \mid 07/01/2008(00) \mid 06/30/2008(00) \mid 06/29/2008(00)$ 

#### 121A BHE TA: Cook's Peak, NM

#### 121A BHN TA: Cook's Peak, NM

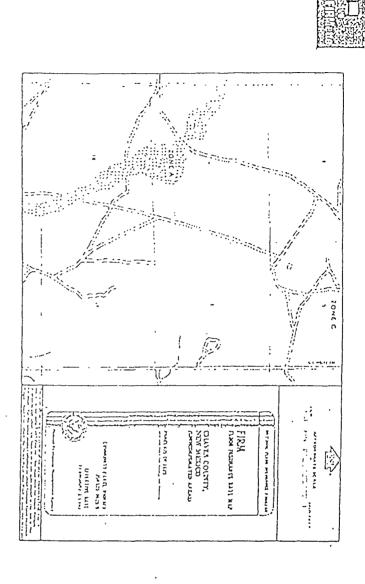
 $\begin{array}{c} 07/14/2008\ (00)\ |\ 07/13/2008\ (00)\ |\ 07/12/2008\ (00)\ |\ 07/11/2008\ (00)\ |\ 07/10/2008\ (00)\ |\\ 07/09/2008\ (00)\ |\ 07/08/2008\ (00)\ |\ 07/07/2008\ (00)\ |\ 07/06/2008\ (00)\ |\ 07/05/2008\ (00)\ |\\ 07/04/2008\ (00)\ |\ 07/01/2008\ (00)\ |\ 06/30/2008\ (00)\ |\ 06/29/2008\ (00)\ |\\ \end{array}$ 

#### 121A BHZ TA: Cook's Peak, NM

 $\begin{array}{c} 07/14/2008\ (00)\ |\ 07/13/2008\ (00)\ |\ 07/12/2008\ (00)\ |\ 07/11/2008\ (00)\ |\ 07/10/2008\ (00)\ |\\ 07/09/2008\ (00)\ |\ 07/08/2008\ (00)\ |\ 07/07/2008\ (00)\ |\ 07/06/2008\ (00)\ |\ 07/05/2008\ (00)\ |\\ 07/04/2008\ (00)\ |\ 07/01/2008\ (00)\ |\ 06/30/2008\ (00)\ |\ 06/29/2008\ (00)\ |\\ \end{array}$ 

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SPECIAL FLOOD HAZARD
AREA

EXPLANATION OF ZONE DESIGNATIONS

EXPLANATION
A Area of 100-year flood; base flood elevations and
flood hazard factor not ettermined.
C Area of minimal flooding, (No shading)
D Area of undetermined, but possible, flood heards.
V Area of 100-year costal flood with velocity (wave

Siting Requirement k.

#### Application for Temporary Pit (C144) with Attachments

To: OCD District II 1301 W. Grand Avenue, Artesia, NM 88210

## MCKAY OIL CORPORATION – LOOKOUT D FEDERAL #8 990' FNL & 2160' FEL, NW¼NW¼, Unit B, SEC 9, T6S, R22E API: 30-005-\*

McKay Oil proposes to air drill the well and open hole test the ABO formation. Fresh water is to be used to pump the cementing plug down. The water will later be displaced with air before drilling out with air and mist for an open-hole completion.

The following attachments are submitted to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

- 1. C-144 Permit Application
- 2. Design and Construction Specifications
- 3. Operating and Maintenance Plan
- 4. Closure Plan
- 5. Closure Plan Alternate Method
- 6. Previously Approved Design
- 7. Proof of Surface Owner Notice
- 8. Siting Requirements
  - a. Ground Water less than 50' below bottom of buried waste
  - b. Ground Water between 50' & 100' below bottom of buried waste
  - Ground Water more than 100' below bottom of buried waste
  - d. Within 300' of continuously flowing watercourse, or 200' of other significant lakebed, sinkhole or playa lake.
  - e. Within 300' from a permanent residence, school, hospital, institution, or church.
  - . Within 500' horizontally of private, domestic fresh water well or spring, or within 1000' horizontally of any other fresh water well or spring.
  - Within incorporated municipal boundaries of fresh water well field covered under municipal ordinance.
  - h. Within 500' of a wetland
  - i. Within the area overlying a subsurface mine.
  - j. Within an unstable area.
  - k. Within a 100 yr. floodplain.
- 9. Maps

AUG 112008 OCD-ARTESIA