DISCIPLE I

1625 N French Dr., 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

Pit, Closed-Loop System, Below-Grade Tank, or

Form C-144 July 21, 2008

AUG 1 1 2009

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

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 OCD ARTESIA
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
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.
Operator: McKay Oil Corporation OGRID #: 14424
A / · · · · · · · · · · · · · · · · ·
Address: PO Box 2014, Roswell, NM 88201-2014 Facility or well name: Lookout C Fed #3 See Conditions of Approval attached
API Number: 30-005-* 64042 OCD Permit Number: Approval attached
U/L or Qtr/Qtr SE1/4/NW1/4 Section 10 Township 6S Range 22E County: Chaves
Center of Proposed Design: Latitude 33°80 'North Longitude 104°71' West NAD: 1927 1983
Surface Owner: Sederal State Private Tribal Trust or Indian Allotment
Surface Owner. A rederal State Frivate Into a Trust of Indian Anotheric
2. Pit: Subsection F or G of 19.15.17.11 NMAC Temporary: Drilling Workover Permanent Emergency Cavitation P&A \(\text{Lined} \) Unlined Liner type: Thickness 20 mil LLDPE HDPE PVC Other \(\text{String-Reinforced} \) Liner Seams: \(\text{Welded} \) Welded Factory Other geo-membrane Volume: 2,565 bbl Dimensions: L 60' x W 40' x D 8' 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
Liner type: Thicknessmil
5. Alternative Method:

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

Fencing: 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) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify	', hospital,				
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					
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 consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	office for				
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.					
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 ☐ NA				
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 ☑ NA				
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				
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ 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 Received American Control Contro
 □ Previously Approved Design (attach copy of design) □ Previously Approved Operating and Maintenance Plan □ API Number:
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 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 ₂ S, Prevention Plan Gil Field Waste Stream Characterization Monitoring and Inspection 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 I of 19.15.17.13 NMAC Site Peolametrian Plan - based upon the appropriate requirements of Subsection G of 10.15.17.13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or H. Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids an facilities are required.	aul-off Bins Only: (19.15.17.13.E ad drill cuttings. Use attachment if	O NMAC) more than two			
•	y Permit Number:				
	y Permit Number:				
Will any of the proposed closed-loop system operations and associated activities occur on or in areas Yes (If yes, please provide the information below) No					
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 Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17	NMAC	AC			
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Reprovided below. Requests regarding changes to certain siting criteria may require administrative considered an exception which must be submitted to the Santa Fe Environmental Bureau office for demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	approval from the appropriate dis	trict office or may			
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 obtained from no	earby 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 obtained from no	earby wells	☐ Yes ☑ No ☐ NA			
Ground water is more than 100 feet below the bottom of the buried waste. Ground Water Depth = - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from no		⊠ Yes □ No □ NA			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercours lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	rse or lakebed, sinkhole, or playa	☐ Yes ⊠ No			
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	e time of initial application.	☐ 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; Visual inspection (certification) of the proposed site					
Within incorporated municipal boundaries or within a defined municipal fresh water well field cover adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from t	•	☐ Yes ☐ No ☐ NA			
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (cert	ification) 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					
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Reso Society; Topographic map 	urces; 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 following items by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.1. Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon 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 1 Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13	5.17.10 NMAC 19.15.17.13 NMAC ments of 19.15.17.11 NMAC the appropriate requirements of 19. section F of 19.15.17.13 NMAC 9.15.17.13 NMAC case on-site closure standards cann NMAC NMAC	.15.17.11 NMAC			

Operator Application Certification: I hereby certify that the information submitted with this application is true, accurately.	arate and complete to the best of my knowledge and belief.
Name (Print): Carol Shanks	Title: Production Analyst
Signature: WWC Sharks	Date: 6/08/08
e-mail address: carol@mckayoil.com	Telephone: (575) 623-4735
OCD Approval: Permit Application (including closure plan) Closure	Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Signed By Mily Branches	Approval Date: SEP 1 9 2008
Title: (C) Cesticit I	OCD Permit Number: <u>0208530</u>
Closure Report (required within 60 days of closure completion): Subsection Instructions: Operators are required to obtain an approved closure plan prior The closure report is required to be submitted to the division within 60 days of section of the form until an approved closure plan has been obtained and the	r to implementing any closure activities and submitting the closure repo f the completion of the closure activities. Please do not complete this closure activities have been completed. —
	Closure Completion Date:
22. Closure Method: ☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Altern ☐ If different from approved plan, please explain.	native Closure Method
23. Closure Report Regarding Waste Removal Closure For Closed-loop System Instructions: Please indentify the facility or facilities for where the liquids, dr two facilities were utilized.	illing fluids and drill cuttings were disposed. Use attachment if more th
Disposal Facility Name:	
Disposal Facility Name: Were the closed-loop system operations and associated activities performed on comparisons.	Disposal Facility Permit Number:
Yes (If yes, please demonstrate compliance to the items below) No	·
Required for impacted areas which will not be used for future service and operation Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	ttions:
Closure Report Attachment Checklist: Instructions: Each of the following is 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 Long	
25. Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closure belief. I also certify that the closure complies with all applicable closure require	
Name (Print):	Title:
Signature:	
e_mail address:	Telenhone

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.

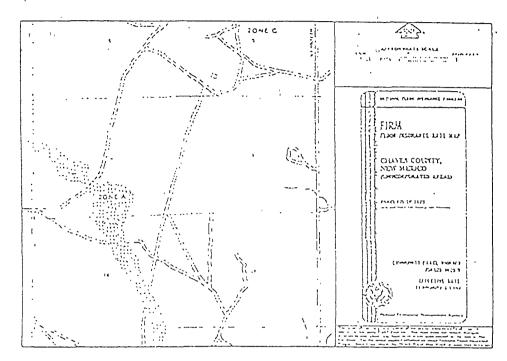


mckay oil corporation Lookout "C" FED #3 SEC 10, T65, RZZE, CHAVES CO. SEP - 4 2008 OCD-ARTESIA Lookout 'c" Fed #3 APPROXIMATE SCALE 2000 2000 FEET NATIONAL FLOOD INSURANCE PROGRAM FIRM FLOOD INSURANCE RATE MAP CHAVES COUNTY, **NEW MEXICO** (UNINCORPORATED AREAS) PANEL 600 OF 1625 (SEE MAP INDEX FOR PANELS NOT PRINTED) Requirement COMMUNITY-PANEL NUMBER 350125 0600 B EFFECTIVE DATE: FEBRUARY 2,1983 22 23 Federal Emergency Management Agency This is an official copy of a portion of the above referenced flood map. If was extracted using F-MIT On-Line. This map does not reflect changes

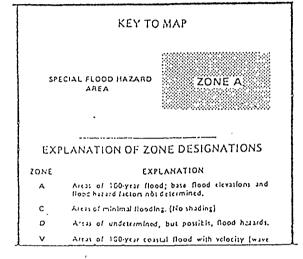
or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov







Siting Requirement k.



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

PIT OPERATING AND MAINTENANCE PLAN (19.15.17.12)

General Specifications

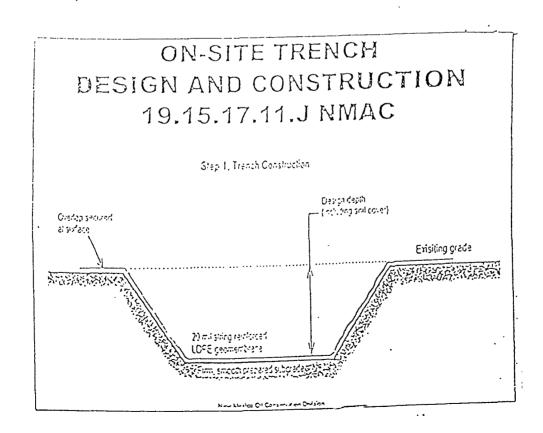
- 1. Thru the end of drilling operations, fluid contents will be monitored and reported daily on drilling reports submitted and maintained in Operator's Office.
- 2. At least two feet of freeboard will be maintained for pit.
- 3. Only fluids generated during drilling process will be discharged into pit.
- 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.

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.



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>east</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.

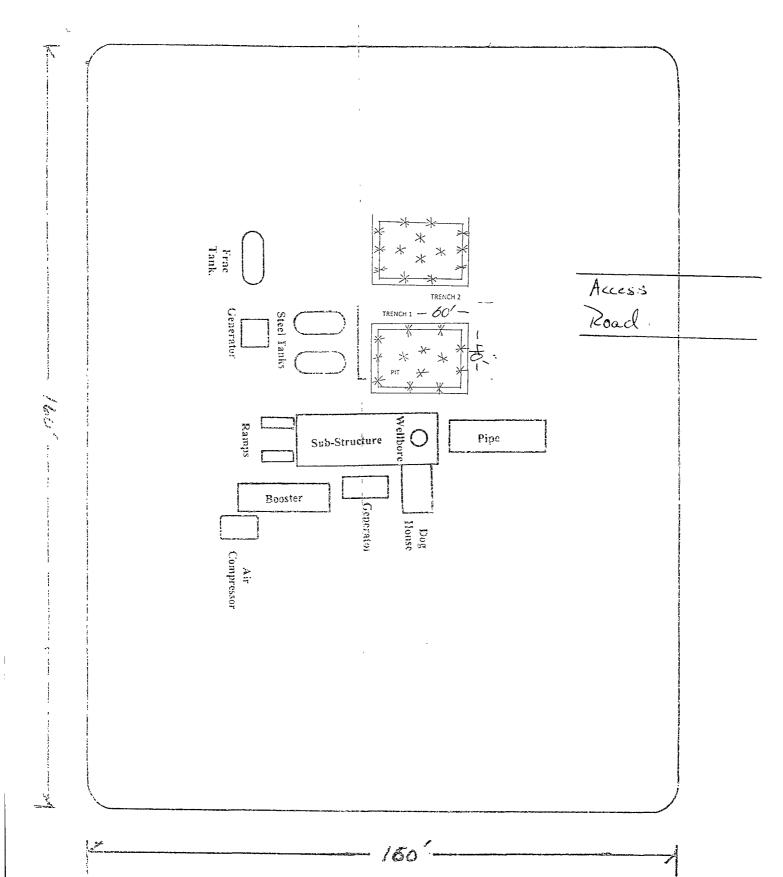
Cardinal Laboratories (Soil Analysis)

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





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 east 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

- *Soil samples will be collected per EPA SWA-846 protocol. Samples will be kept in sterile samplededicated 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.
- 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

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

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 3160-5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No 1004-0137 Expires March 31, 2007

BUREAU OF LAND MANAGEMENT					-1N-		
SUNDRY NOTICES AND REPORTS ON WELLS					nal No 6 192		
Do not use this form for proposals to drill or to re-enter an					an, Allottee or Tribe Name		
abandoned well. Use Form 3160 - 3 (APD) for such proposals.							
SUBMIT IN TRIPLICATE- Other instructions on reverse side.					or CA/Agreement, Name and/or No		
1 Type of Well Gas Well Other					ame and No.		
2 Name of Operator McKay Oil C	orporation			1	out C Fed. #3 Vell No		
3a Address PO Box 2014, Roswell, NM 882	02-2014	3b Phone No (inclu 505.623.4735	de area code)	10. Field	and Pool, or Exploratory Area		
4 Location of Well (Footage, Sec., 7	T., R., M., or Survey Description)				W. Pecos ABO Slope		
2310'FSL & 330'FWL, Sec. 10	, T6S, R22E			[] Count	y or Parish, State		
				Chav	es, NM		
12. CHECK AP	PROPRIATE BOX(ES) TO	INDICATE NATU	JRE OF NOTICE.	REPORT, C	OR OTHER DATA		
TYPE OF SUBMISSION		T	YPE OF ACTION				
Notice of Intent	Acidize Alter Casing	Deepen Fracture Treat	Production (S	tart/Resume)	Water Shut-Off Well Integrity		
Subsequent Report	Casing Repair	New Construction	· ·		Other		
Final Abandonment Notice	✓ Change Plans	Plug and Abandon Plug Back					
	Convert to Injection		Water Disposa				
Describe Proposed or Completed Operation (clearly state all pertinent details, including esumated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)							
Operator intends to drill the	he payzone of this well with ai	r. Therefore, attach	ed is a new Supplem	ental Drilling	Data and a new rig plat.		
Soil scrapped from the we	ilpad area will be stockpiled i	n the NW corner of t	he wellpad for later	eclamation.	-		
14 Thereby certify that the fore Name (Printed/Typed)	going is true and correct	- 1			11 11 11		
James L. Schultz Title Agent							
Signature John Mills Date				07/15/2008			
THIS SPACE FOR FEDERAL OR STATE OFFICE USE							
Approved by			Title		Date		
Conditions of approval, if any, are attached Approval of this notice does not warrant or					1		
certify that the applicant holds legal which would entitle the applicant to	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.

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

PIT SITING REQUIREMENTS (19.15.17.10)

Siting Requirements

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.					
 a. 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				
 b. 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 obtained from nearby wells 	☐ Yes ⊠ No				
 c. Ground water is more than 100 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	⊠ Yes □ No				
 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). Topographic map, Visual inspection (certification) of the proposed site 	☐ Yes ⊠ No				
 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) Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	☐ 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				
 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. Written confirmation or verification from the municipality; Written approval obtained from the municipality 	☐ Yes ☐ No ☑ NA				
 h. Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	☐ Yes ⊠ No				
 i. Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	☐ Yes ⊠ No				
 j. Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	☐ Yes 🖾 No				
k. Within a 100-year floodplain FEMA map	☐ Yes ⊠ No				

- 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 10, as of August 2008.

		SE	C 10		
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31	32	33	34	35	36

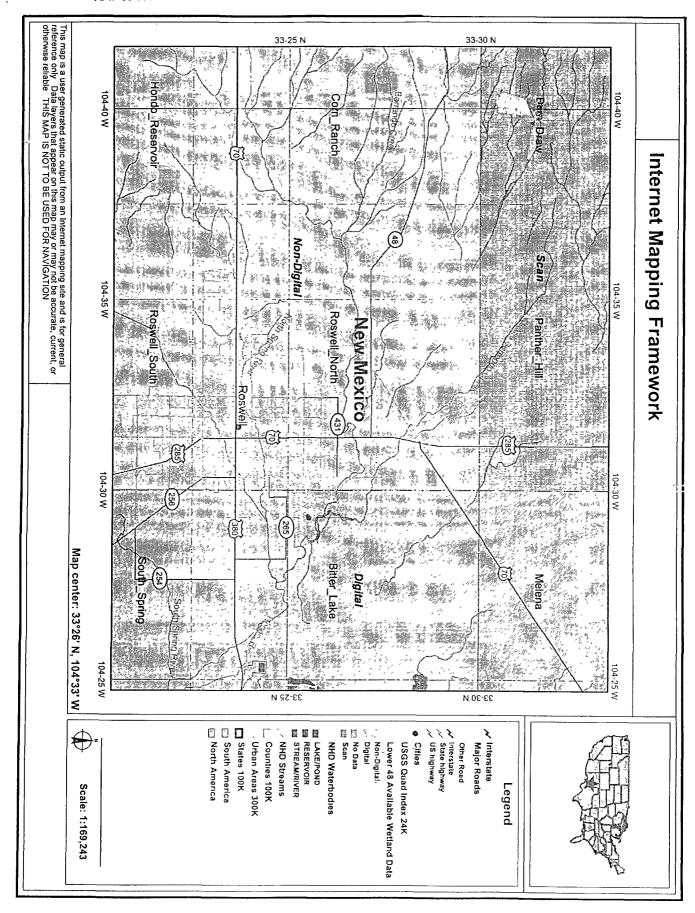
S. h.-a.b.c.
Revised December 1975

IMPORTANT - READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM.

Declaration of Owner of Underground Water Right

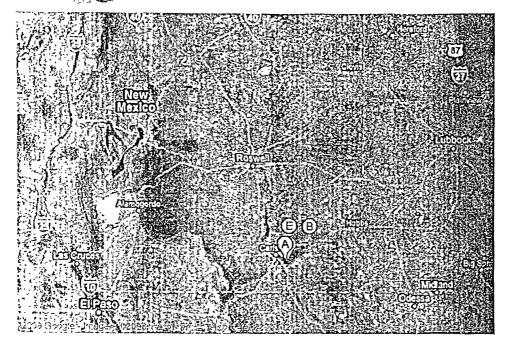
CHAPES COUNTY June 5, 1992 1. Name of Declarant Betty J. Moats Mailing Address PO Box 847 Roswell County of <u>Chaves</u> _, State of New Mexico 88201 2. Source of water supply_____ Shallow Water Aquifer (artesian or shallow water aquifer) 3. Describe well location under one of the following subheadings 1 NE 14 NW 14 NW 14 of Sec 11 _ Twp. <u>6S</u> Rge. <u>23E</u> N.M.P.M., in · Chaves b Tract No ____ _ of the _ c. X = __ ____ feet. Y = __ _ feet. N. M. Coordinate System _ Zone in the On land owned by ___ 4. Description of well: date drilled About 1913 driller unknown depth 146! outside diameter of casing 6 inches; original capacity <u>Unknown</u> gal. per min.; present capacity <u>20</u> gal. per min.; pumping lift 350 feet; static water level 350 feet (above) (below) land surface; make and type of pump 12 HP electric submersible make, type, horsepower, etc., of power plant____ Fractitional or percentage interest claimed in well 100% 3 5. Quantity of water appropriated and beneficially used____ (acre feet per acre) for Livestock and domestic. 6. Acreage actually irrigated 0 acres, located and described as follows (describe only lands actually irrigated): Acres Subdivision Sec. Twp. Range Owner Irrigated (Note: location of well and acreage actually irrigated must be shown on plat on reverse side.) 7. Water was first applied to beneficial use about 1913 month day and since the time year has been used fully and continuously on all of the above described lands or for the above described mipposes : Exercept 四四 ഗ Additional statements or explanations Name: House well Original depth 146', reworked over the current depth of 593'. 1, BETTY id. MON75 being first duly sworn upon my oath, depose and say that the above is a full and complete statement prepared in accordance with the instructions on the reverse side of this form and submitted in evidence of ownership of a valid underground water right, that I have carefully read each and all of the items contained therein and that the same are true to the best of my knowledge and belief. Subscribed and sworn to before me this. Matthews Notary Public My commission expires ____

New Mexico Office of the State Engineer POD Reports and Downloads					
	Township 06S	Range 23E	Sections 17		
	NAD27 X	Y	Zone	Search Radius	
County	CH 💹 Bas	ın	Ŋ	Number Suffix	
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POD / Surface Data Report Avg Depth to Water Report Water Column Report					
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	POD / SURFACE DAT	TA REPORT 07/2	22/2008	(quarters are 1=NW 2=NE 3=SW 4=SE)	
(acre ft per annu DB File Nbr Use Diversion		PC	OD Number	(quarters are biggest to smallest X Y are in Feet Source Tws Rng Sec q q q Zone X Y	
No Records found					



Gougle

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



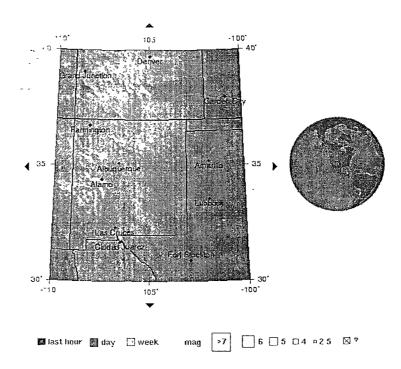
- A Mosaic Potash Carlsbad 1361 Potash Mines Rd, Carlsbad, NM - (575) 887-2871
- C Highlands Gas 260 Potash Mines Rd, Loving, NM - (575) 745-2315
- E Intrepid Potash 6288 Hobbs Hwy, Carlsbad, NM - (575) 885-3134
- B Intrepid Potash East 210 Red Cloud, Carlsbad, NM - (575) 887-1117
- D Intrepid Potash 1996 Potash Mines Rd, Carishad, NM - (575) 887-5591

No mining activity in Chaves County, New Mexico



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

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 $URL:\ http://earthquake.usgs\ gov/eqcenter/recenteqsww/Maps/degree 10/255_35.php$

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

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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 movember 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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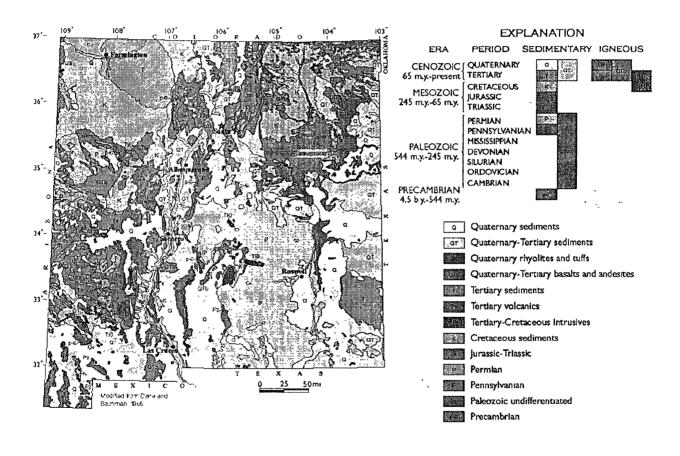


Geologic Map of New Mexico

Geologic Maps of the U.S. States

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GENERALIZED GEOLOGIC MAP of NEW MEXICO



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Recent Helicorder Displays New Mexico Seismic Network

ANMO BHZ IU: Albuquerque USGS Seismological Lab

BAR EHZ SC: Barrett

BMT EHZ SC: Bear Mountains

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CAR EHZ SC: Carthage

CARB BHE SC: Carthage Broadband Z

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CARB BHN SC: Carthage Broadband N

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CARB BHZ SC: Carthage Broadband E

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CBET EHZ SC: Carlsbad East Tower

CBKS BHZ US: Cedar Bluffs, KS

CL2B EHZ SC: Gnome Location

 $\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) | 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) | 06/29/2008 (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) | 06/29/20$

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

 $\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) \ | \ 07/08/2008 \ (00) \ | \ 07/08/2008 \ (00) \ | \ 07/08/2008 \ (00) \ | \ 07/08/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08/29/2008 \ (00) \ | \ 08$

DAG EHZ SC: Dagger Draw

 $\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) | 06/29/2008 (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) | 06/29/20$

GDL2 EHZ SC: Guadalupe Mountains

HTMS EHZ SC: Hat Mesa

ISCO BHZ US: Idaho Springs, CO

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

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

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

LEM EHN SC: Lemitar N

LEM EHZ SC: Lemitar Z

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)

LPM EHZ SC: Los Pinos Mountains

MLM EHZ SC: Mesa Lucero

SBY EHZ SC: South Baldy

SDCO BHZ US: Sand Dunes National Park, CO

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

SMC EHZ SC: Southern Magdalena Mountains

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

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/<u>05</u>/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) | 07/01/2008(00) | 06/30/2008(00) | 06/29/2008(00)

121A BHE TA: Cook's Peak, NM

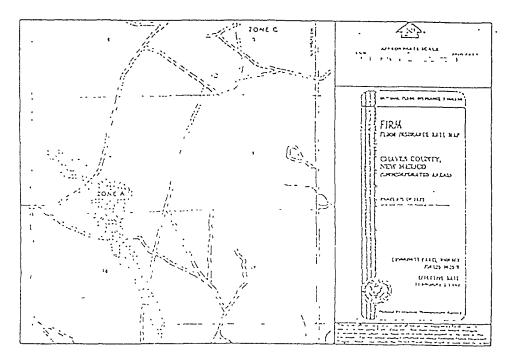
121A BHN TA: Cook's Peak, NM

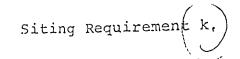
121A BHZ TA: Cook's Peak, NM

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









SPECIAL FLOOD HAZARD ZONE A.

EXPLANATION OF ZONE DESIGNATIONS

A Areas of 100 year flood, base flood elevations and flood hazard factors not determined.

C Areas of minimal flooding (No shading)

D Areas of undetermined, but possible, flood hazards.

V Areas of 100 year coastal flood with velocity (wave



Application for Temporary Pit (C144) with Attachments

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

MCKAY OIL CORPORATION – LOOKOUT C FEDERAL #3 2310 FSL & 330' FWL, SE'/4NW'/4, Unit F, SEC10, 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
 - c. 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.
 - f. Within 500' horizontally of private, domestic fresh water well or spring, or within 1000' horizontally of any other fresh water well or spring
 - g. 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 1 1 2008 OCD-ARTESIA