District I 1525 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



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 the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Closed-Loop System, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application AUG - 1 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
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.
1. Operator: McKay Oil Corporation OGRID #: 14424
Address: PO Box 2014, Roswell, NM 88201-2014
Facility or well name: Eppers B Fed #2
API Number: <u>30-005-63937</u> OCD Permit Number:
U/L or Qtr/Qtr SW1/4NW1/4 Section 34 Township 5S Range 21E County: Chaves
Center of Proposed Design: Latitude 33°50' North Longitude 104°43' West NAD: 1927 1983
Surface Owner: X Federal X State Private Tribal Trust or Indian Allotment
2.
∑ <u>Pit</u> : Subsection F or G of 19.15.17.11 NMAC
Temporary: ☑ Drilling ☐ Workover
Permanent Emergency Cavitation P&A
☐ Unlined Liner type: Thickness 20 mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other
⊠ String-Reinforced
Liner Seams: Welded Factory Other geo-membrane Volume: 2,570 bbl Dimensions: L 85' x W 40' x D 8'
3.
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: Thicknessmil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other
Liner Seams: Welded Factory Other
4.
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.

6. 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)	hospital,
Sour 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	
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.	office for
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
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 accematerial are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approoffice or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying above-grade tanks associated with a closed-loop system.	opriate district approval. ing pads or
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
12. <u>Closed-loop Systems Permit Application Attachment Checklist</u> : 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 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 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 I 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 Ste Instructions: Please indentify the facility or facilities for the disposal of liquids, dr facilities are required.			
·	Disposal Facility Permit Number:		
Disposal Facility Name: Disposal Facility Permit Number:			
Will any of the proposed closed-loop system operations and associated activities occur. Yes (If yes, please provide the information below) No	ir on 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 representation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection	equirements of Subsection H of 19.15.17.13 NMA of 19.15.17.13 NMAC	.C	
17. Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the cl provided below. Requests regarding changes to certain siting criteria may require considered an exception which must be submitted to the Santa Fe Environmental I demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for	administrative approval from the appropriate dis Bureau 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 of	btained 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 of	btained from nearby wells	☐ Yes ⊠ No ☐ NA	
Ground water is more than 100 feet below the bottom of the buried waste. Ground - NM Office of the State Engineer - iWATERS database search; USGS; Data of	. Water Depth = 680' btained from nearby wells	⊠ Yes □ No □ NA	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signifiance (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	icant watercourse or lakebed, sinkhole, or playa	☐ Yes ⊠ No	
Within 300 feet from a permanent residence, school, hospital, institution, or church ir - Visual inspection (certification) of the proposed site; Aerial photo; Satellite in		☐ Yes ⊠ No	
Within 500 horizontal feet of a private, domestic fresh water well or spring that less the 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 (cere	ng, in existence at the time of initial application.	☐ Yes ⊠ No	
Within incorporated municipal boundaries or within a defined municipal fresh water valopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval	•	☐ Yes ☐ No ☐ NA	
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual i	nspection (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 ar	nd Mineral Division	☐ Yes ☑ No	
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Society; Topographic map	Mineral 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 faby a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Successive Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Successive Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) Protocols and Procedures - based upon the appropriate requirements of 19.15.1 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Successive Material Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate requirements of Successive Confirmation Sampling Plan - based upon the appropriate Plan - based upon the appropriate Plan - based upon the ap	ements of 19.15.17.10 NMAC absection F of 19.15.17.13 NMAC opriate requirements of 19.15.17.11 NMAC - based upon the appropriate requirements of 19. 7.13 NMAC ements of Subsection F of 19.15.17.13 NMAC bsection F of 19.15.17.13 NMAC cuttings or in case on-site closure standards cannot 19.15.17.13 NMAC	15.17.11 NMAC	
Re-vegetation Plan - based upon the appropriate requirements of Subsection I o Site Reclamation Plan - based upon the appropriate requirements of Subsection			

Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate	te and complete to the best of my knowledge and belief.
Name (Print): Carol Shanks	
Signature: Carol Shanks	Date: 7/31/08
e-mail address:carol@mckayoil.com	Telephone:(<u>575 623-4735</u>
OCD Approval: Permit Application (including closure plan) Closure Plan	
OCD Representative Signatures U. Shew	Approval Date: 8-7-08
Title: Mished The Supervicor	OCD Permit Number: 0208264
Closure Report (required within 60 days of closure completion): Subsection K Instructions: Operators are required to obtain an approved closure plan prior to The closure report is required to be submitted to the division within 60 days of th section of the form until an approved closure plan has been obtained and the clo	o implementing any closure activities and submitting the closure report. The completion of the closure activities. Please do not complete this
22. Closure Method: Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternat ☐ If different from approved plan, please explain.	rive Closure Method
Closure Report Regarding Waste Removal Closure For Closed-loop Systems T Instructions: Please indentify the facility or facilities for where the liquids, drillitwo facilities were utilized.	ing fluids and drill cuttings were disposed. Use attachment if more than
Disposal Facility Name:	Disposal Facility Permit Number:
Disposal Facility Name:	Disposal Facility Permit Number:
Yes (If yes, please demonstrate compliance to the items below) \(\subseteq \text{No} \)	in areas that will not be used for future service and operations:
Required for impacted areas which will not be used for future service and operatio Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	ns:
AND	ns must be attached to the closure report. Please indicate, by a check ade NAD: □1927 □ 1983
25. Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closure repbelief. I also certify that the closure complies with all applicable closure requirements.	
Name (Print):	Title:
Signature:	Date:

e-mail address:

Telephone: _

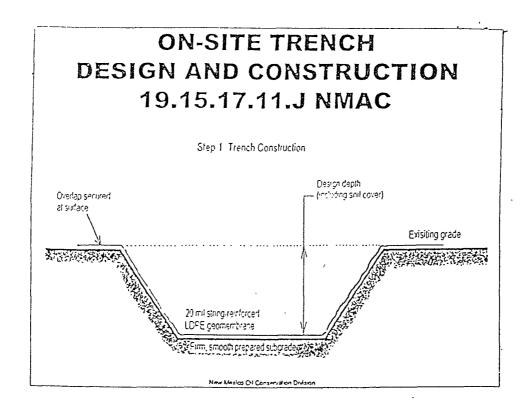
EPPERS B FED #2 2310' FNL & 889' FWL, SW¼NW¼, Unit E, SEC34, T5S, R21E API: 30-005-63937

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 85' X 8' pit is constructed. Pit will be 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 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 has been 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.



EPPERS B FED #2 2310' FNL & 889' FWL, SW'/4NW'/4, Unit E, SEC34, T5S, R21E API: 30-005-63937

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.

EPPERS B FED #2 2310' FNL & 889' FWL, SW¼NW¼, Unit E, SEC34, T5S, R21E API: 30-005-63937

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 85' 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.

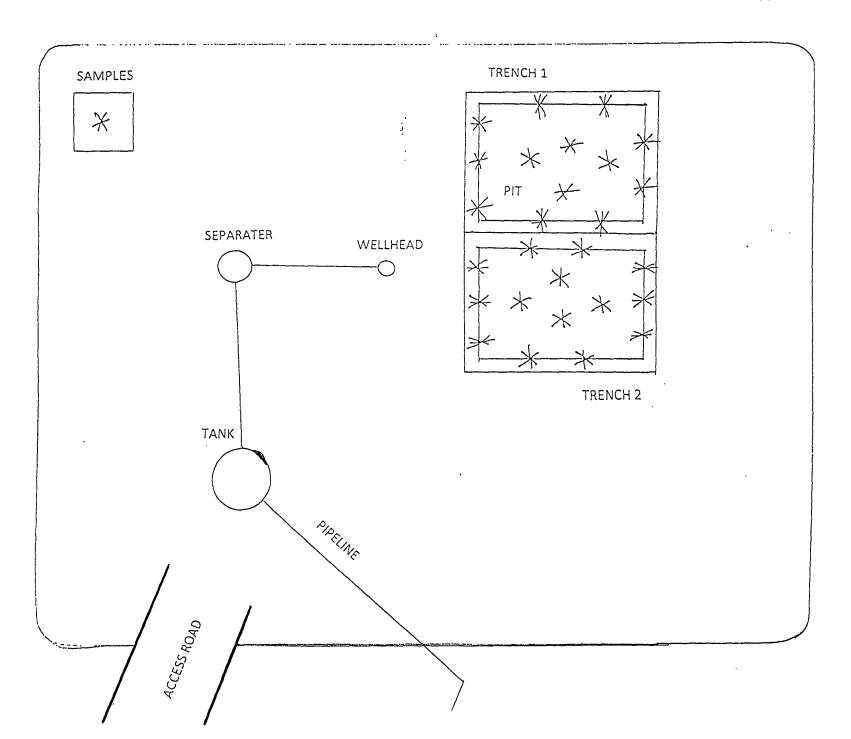
Quality Control

- 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



EPPERS B FED #2 2310' FNL & 889' FWL, SW%NW%, Unit E, SEC34, T5S, R21E API: 30-005-63937

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

- *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

EPPERS B FED #2 2310' FNL & 889' FWL, SW1/4NW1/4, Unit E, SEC34, T5S, R21E API: 30-005-63937

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.

MAY 1 0 2007

AUG - 1 2008

OCD-ARTESIA

Form 3160-3 (April 2004)

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

APPROVED FOR 1 YEARS

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR REENTER 1a Type of work DRILL REENTER 1b Type of Well Oil Well Gas Well Other Single Zone Multuple Zone 2 Name of Operator McKay Oil Corporation 3a Address PO Box 2014 Roswell, NM 88202-2014 505-623-4735				8 Lease Name and Eppers B Fed. 9 API Well No. 30-00 10 Field and Pool, or	eement, Name and No Well No eral #2 75-63937 Exploratory
				W. Pecos ABC	<u>-</u>
At surface 2310' FNL & 889' FWL	ry state requiren	SUBJECT	TO IOVAT	11 Sec., T. R. M. or B Unit E, Sec. 34	•
14 Distance in miles and direction from nearest town or post office* Approximately 27 miles		BY STATE	. 25-77 1-	12 County or Parish Chaves	13 State
15 Distance from proposed* location to nearest property or lease line, ft (Also to nearest drig unit line, if any) 18 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft	16 No of a 1240 19 Propose 4300'	d Depth	es in lease 17 Spacing Unit dedicated to this well 160'		well
21 Elevations (Show whether DF, KDB, RT, GL, etc.) 4324' 22 Approximate date work will start* 12/23/2006) rt*	23 Estimated duration 7-10 days	'n
	24. Atta			LL CONTROLLED VI	
The following, completed in accordance with the requirements of Onshor 1. Well plat certified by a registered surveyor 2. A Drilling Plan 3. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office)		4 Bond to cover the Item 20 above) 5 Operator certification	he operation cation specific info	ns unless covered by an	existing bond on file (see
25 Signature Name (Printed Typed)			Date		
Title Jon Mary		James L. Schultz			11/22/2006
Approved by (Signature) ANI ANI ANI	<u>レ </u>	(Printed Typed)			Date MAY 08 2
Lands And Minerals Office ROSWELL			LD OFF	TICP	APPROVED FOR
				.1 1 1 1 1 1	

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

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, fletitious or fraudulent statements or representations as to any matter within its jurisdiction

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

^{*(}Instructions on page 2)

EPPERS B FED #2 2310' FNL & 889' FWL, SW1/4NW1/4, Unit E, SEC34, T5S, R21E API: 30-005-63937

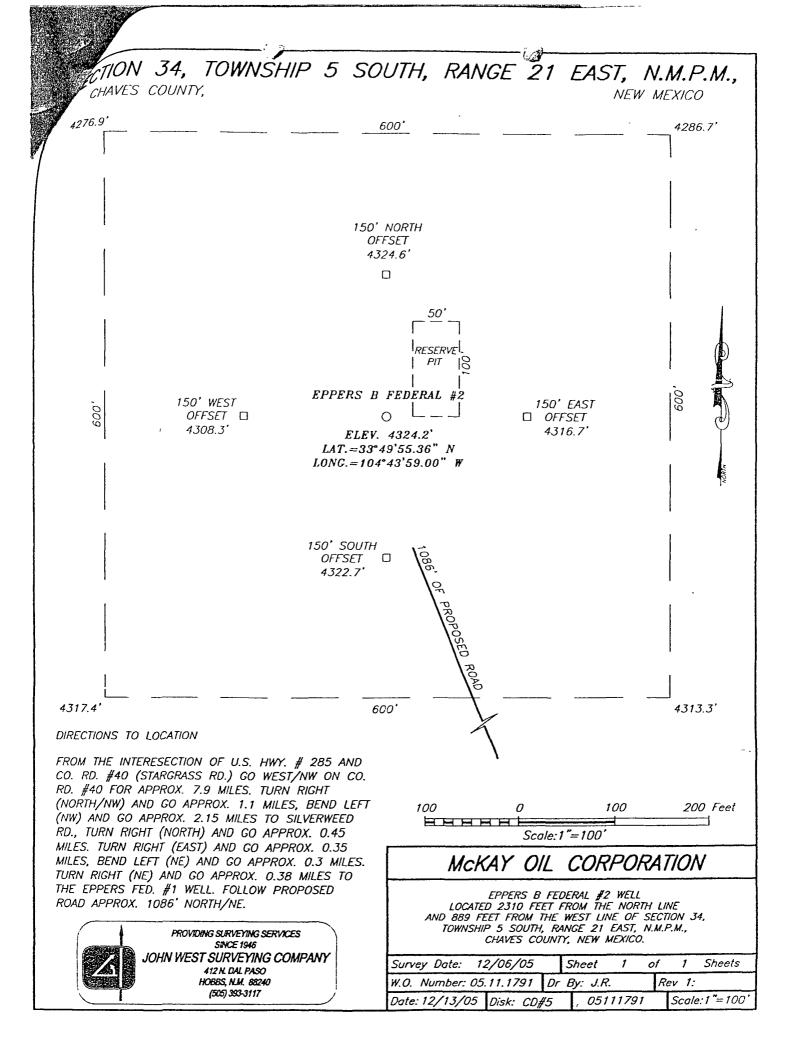
McKay Oil Corporation P. O. Box 2014 Roswell, NM 88202 (575) 623-4735

PIT SITING REQUIREMENTS (19.15.17.10)

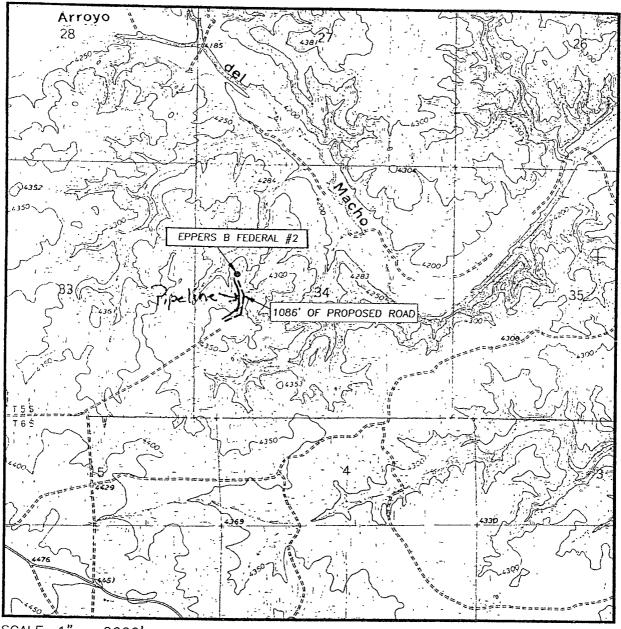
Siting Requirements

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
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



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: MESA SW, N.M. - 10'

SEC. 34 TWP. 5-S RGE. 21-E
SURVEYN.M.P.M.
COUNTYCHAVES
DESCRIPTION 2310' FNL & 889' FWL
ELEVATION 4324'
McKAY OPERATOR OIL CORPORATION
LEASE EPPERS B FEDERAL
U.S.G.S. TOPOGRAPHIC MAP MESA SW, N.M.



PROVIDING SURVEYING SERVICES SINCE 1946 JOHN WEST SURVEYING COMPANY 412 N. DAL PASO HOBBS, N.M. 88240 (505) 393-3117

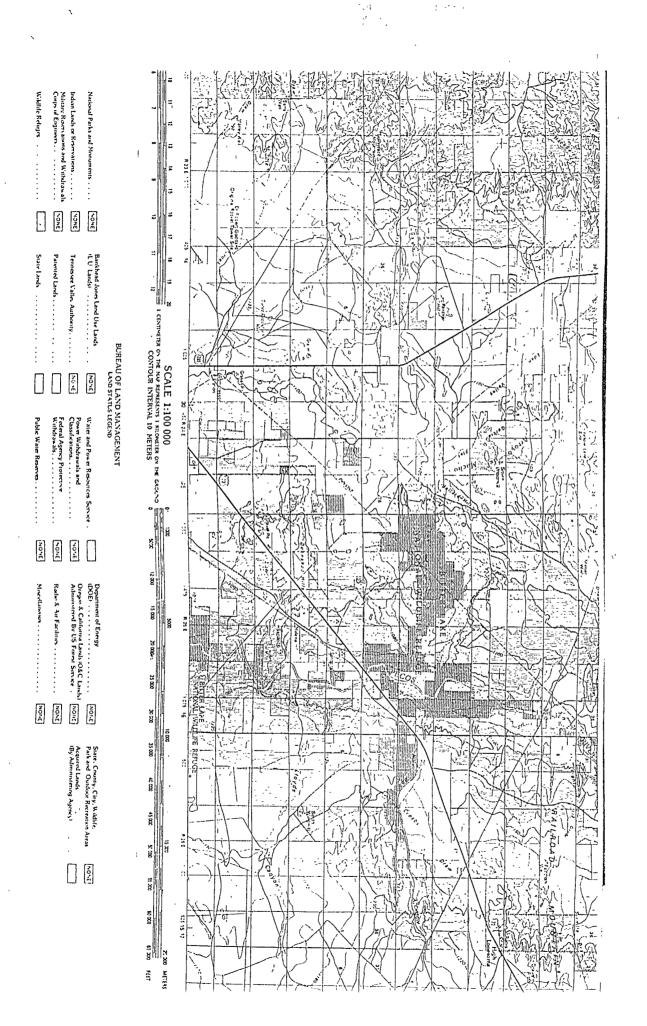
- 1 Per BLM Hydrologist dated July 2008, Ground Water Depth = 680'
- 2. Per 'Deciaration Owner of Underground Water Right No. RA-8328', dated 1/7/83 (*near SEC 28 for comparison) Ground Water Depth = 545' below land surface.
 *Note: No records established in NM State Engineer's office specific to SEC34, as of July 2008.

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6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	↑ Eppers 8 Fed #2 34	35	36

Per Declaration of Owner of Underground Water Right (Declaration No. RA-8328) Dated 1/7/83 Water level = 545' BELOW land surface.

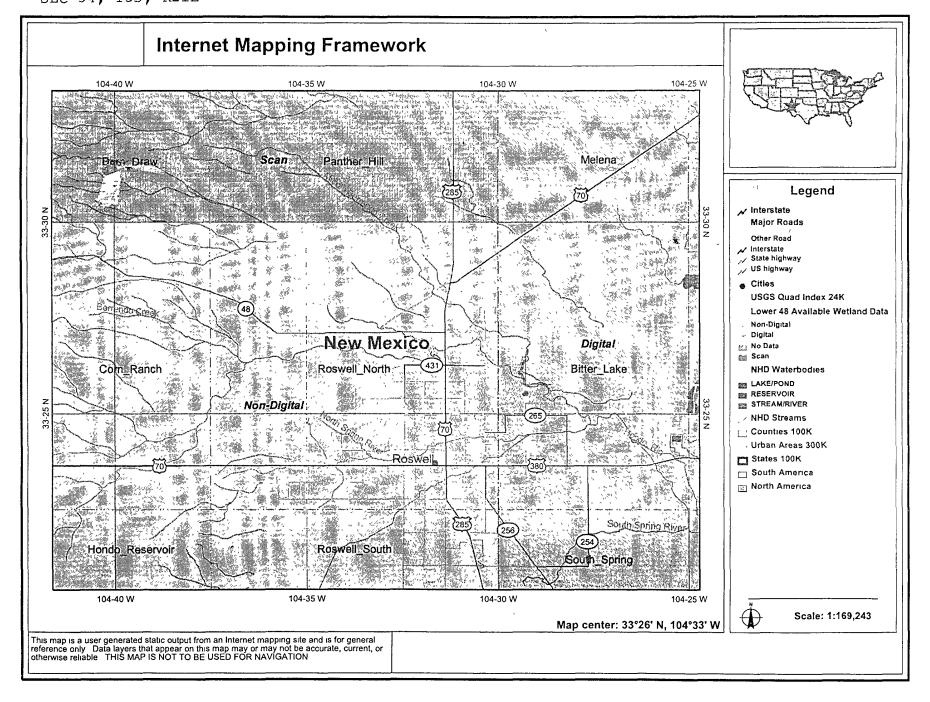
Declaration of Owner of Underground Water Right

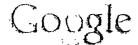
Name of Declarant Dunlap Rt. Box 1139 Roswell, New Mexico 88201	
Name of Declarant H.W. Eppers	
Name of Declarant H.W. Eppers	
	_
County of, State of	
Source of water supply Shallow (artesian or shallow water aguifer)	
Describe well location under one of the following subheadings a SE ¼ NW ¼ NW ¼ of Sec 28 twp 5S Rge 2IE NMPM Chaves County.	,
b	Zone
On land owned byDeclarant	
Description of well: date drilled Prior to 1930driller unknown depth Est. 575 fo	
outside diameter of casing 7 inches original capacity gal. per min.; present capacity	
gal. per min.; pumping lift 560 feet; static water level 545 feet (above) (below) land surface;	
make, type, horsepower, etc., of power plant 2 H.P.	
1008	
3 0	
Quantity of water appropriated and beneficially used (acre feet per acre) (acre feet per annum)	
Acres Acres	ted): (``
Subdivision Sec. Twp. Range Irrigated Owner	
	
(Note location of well and acreage actually irrigated must be shown on plat on reverse side.)	
. Water was first applied to beneficial use <u>prior to 1930</u> and since that t	time
has been used fully and continuously on all of the above described lands or for the above described purposes excas follows	
. Additional statements or explanations Pipeline system distributes stock water a	
site and 9 other storages and tubs located as follows: SW 4. SE	4
Sec 21; NW4, SE 4 Sec 28; NE 4 Sec 34; NW 4 Sec 16 SW4 Sec 28; SI	W ¼
SE¼ Sec 32.	
I, H. W. Eppers depose and say that the above is a full and complete statement prepared in accordance with the instructions on the verse side of this form and submitted in evidence of ownership of a valid underground water right, that I have care read each and all of the items contained therein and that the same are true to the best of my knowledge and belief	he re- efully f.
ubscribed and sworn to before me this 1th day of January, A.D. 19 y commission expires 2-13-83 F.D. Fatty Jellier Notary Public UNDER NEW MEXICO LAW A DECLARATION IS CILLY A STATEMENT OF DECLARANT'S CLAIM	rant.
ubscribed and sworn to before me this 1. the	73
2-12-82 Vata . 100 list)	
y commission expires	



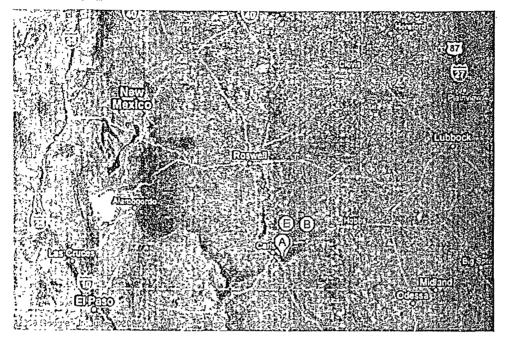
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	ico Office of the State Engineer D Reports and Downloads
Township 05S Range 2	TIE Sections 34
NAD27 X Y	Zone Search Radius
County CH Basin	Number Suffix
Owner Name (First)	Last) Non-Domestic Domestic All
POD/Surface Data Report	Avg Depth to Water Report Water Column Report
Clear Fort	m [iWATERS Menu] [Help]
POD / SURFACE DATA REPORT	(quarters are 1=NW 2=NE 3=SW 4=SE)
(acre ft per annum) DB File Nbr Use Diversion Owner	(quarters are biggest to smallest X Y are in Feet POD Number Source Tws Rng Sec q q q Zone X Y
No Records found, try again	





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



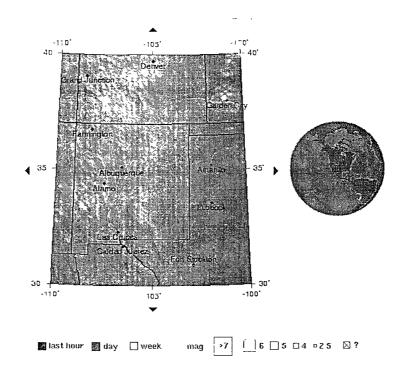
- A Mosaic Potash Carlsbad 1361 Potash Mines Rd, Carlsbad, NM - (575) 887-2871
- C Highlands Gas 260 Potash Mines Rd. Loving, NM - (575) 745-2315
- E Intrepid Potash 6288 Hobbs Hwy, Carlsbad, NM - (575) 885-3134
- B Intrepid Potash East 210 Red Cloud, Carlsbad, NM - (575) 887-1117
- D Intrepid Potash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

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

New Mexico Page 1 of 2



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

New Mexico Page 2 of 2

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

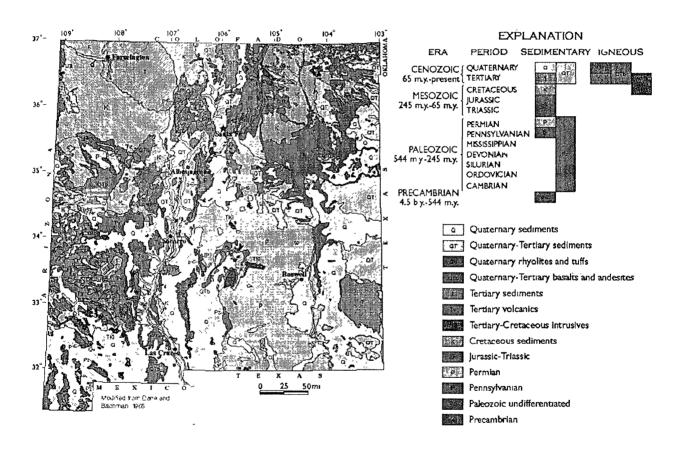


Geologic Map of New Mexico

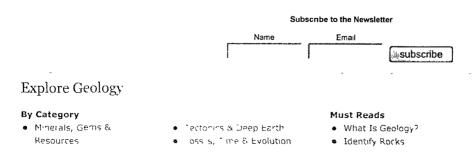
Geologic Map's of the U.S States

Back to the NeA Mexico page

GENERALIZED GEOLOGIC MAP of NEW MEXICO



Back to the New Mexico page



Recent Helicorder Displays New Mexico Seismic Network

ANMO BHZ IU: Albuquerque USGS Seismological Lab

07/14/2008 (00) | 07/13/2008 (00) | 07/12/2008 (00) | 07/11/2008 (00) | 07/10/2008 (00) | 07/09/2008 (00) | 06/30/2008 (00) | 06/29/2008 (00) | 06/28/2008 (00) | 06/27/2008 (00) | 06/26/2008 (00) | 06/25/2008 (00) | 06/24/2008 (00) | 06/23/2008 (00)

BAR EHZ SC: Barrett

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

BMT EHZ SC: Bear Mountains

CAR EHZ SC: Carthage

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

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

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) | 11/07/2007 (00) | 11/06/2007 (00) | 11/05/2007 (00) | 11/04/2007 (00) | 11/03/2007 (00) | 11/02/2007 (00) | 11/01/2007 (00)

CBET EHZ SC: Carlsbad East Tower

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CBKS BHZ US: Cedar Bluffs, KS

CL2B EHZ SC: Gnome Location

CL7 EHZ SC: WIPP Site

CPRX EHZ SC: Cap Rock

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) | 07/10/2008 (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) | 07/01/2008 (00) | 07/01/2008 (00) | 06/30/2008 (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) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/20$

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) | 07/10/2008 (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) | 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) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/2008 (00) | 07/01/20$

LEM EHE SC: Lemitar E

 $\begin{array}{c} 07/14/2008\ (00)\ |\ 07/13/2008\ (00)\ |\ 07/12/2008\ (00)\ |\ 07/11/2008\ (00)\ |\ 07/12/2008\ (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)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06/29/2008\ (00)\ |\ 06$

LEM EHN SC: Lemitar N

 $\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) \ | \ 07/08/2008 \ (00) \ | \ 07/08/2008 \ (00) \ | \ 07/08/2008 \ (00) \ | \ 06/29/2008 \ (00) \ | \ 06/29/2008 \ (00) \ | \ 06/29/2008 \ (00) \ | \ 06/29/2008 \ (00) \ | \ 06/29/2008 \ (00) \ | \ 06/29/2008 \ (00) \ | \ 06/29/2008 \ (00) \ | \ 06/29/2008 \ (00) \ | \ 06/29/2008 \ (00) \ | \ 06/29/2008 \ (00) \ | \ 06/29/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06/2008 \ (00) \ | \ 06$

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

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

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) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07/10/2008 \ (00) \ | \ 07$

SMC EHZ SC: Southern Magdalena Mountains

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

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

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)

S21A BHE TA: Coal Bank Pass, CO

S21A BHN TA: Coal Bank Pass, CO

S21A BHZ TA: Coal Bank Pass, CO

<u>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) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 (00) | 07/05/2008 </u>

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

121A BHE TA: Cook's Peak, NM

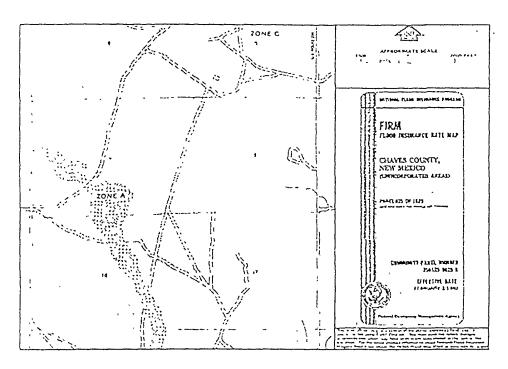
121A BHN TA: Cook's Peak, NM

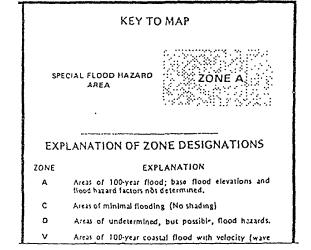
121A BHZ TA: Cook's Peak, NM

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

@mw. MSC.Viewer







Application for Temporary Pit (C144) with Attachments

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

MCKAY OIL CORPORATION – EPPERS B FED #2 2310' FNL & 889' FWL, SW'/NW'/4, Unit E, SEC34, T5S, R21E API: 30-005-63937



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. A Pit (40' X 85' X 8') has been dug; excavated sometime in late 2007. Pit has never been lined. APD approved, with expiration date of May 2009.

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.

AUG - 1 2008

OCD-ARTESIA

- 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
 - Within the area overlying a subsurface mine.
 - j. Within an unstable area.
 - k. Within a 100 yr. floodplain.
- 9. Maps