

District 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

AUG 25 2009

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

- 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: <u>McKay Oil Corporation c/o Penroc Oil</u> OGRID #: <u>14424</u> Address: <u>1515 Calle Sur, Hobbs, NM 88240</u> Facility or well name: <u>4 Mile Draw "B" Federal 7-Y</u> API Number: <u>30-005-63900</u> OCD Permit Number: _____ U/L or Qtr/Qtr <u>M</u> Section <u>15</u> Township <u>6S</u> Range <u>22E</u> County: <u>Chaves</u> Center of Proposed Design: Latitude <u>N 33° 47.424'</u> Longitude <u>W 104° 42.913'</u> NAD: <input checked="" type="checkbox"/> 1927 <input type="checkbox"/> 1983 Surface Owner: <input checked="" type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Tribal Trust or Indian Allotment	
2. <input checked="" type="checkbox"/> Pit: Subsection F or G of 19.15.17.11 NMAC Temporary: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover <input type="checkbox"/> Permanent <input type="checkbox"/> Emergency <input type="checkbox"/> Cavitation <input type="checkbox"/> P&A <input checked="" type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type: Thickness <u>20</u> mil <input checked="" type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> String-Reinforced Liner Seams: <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Factory <input type="checkbox"/> Other _____ Volume: <u>800</u> bbl Dimensions: L <u>80</u> x W <u>90</u> x D <u>7</u>	
3. <input type="checkbox"/> Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation: <input type="checkbox"/> P&A <input type="checkbox"/> Drilling a new well <input type="checkbox"/> Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) <input type="checkbox"/> Drying Pad <input type="checkbox"/> Above Ground Steel Tanks <input type="checkbox"/> Haul-off Bins <input type="checkbox"/> Other _____ <input type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type: Thickness _____ mil <input type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other _____ Liner Seams: <input type="checkbox"/> Welded <input type="checkbox"/> Factory <input type="checkbox"/> Other _____	
4. <input type="checkbox"/> Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: _____ bbl Type of fluid: _____ Tank Construction material: _____ <input type="checkbox"/> Secondary containment with leak detection <input type="checkbox"/> Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off <input type="checkbox"/> Visible sidewalls and liner <input type="checkbox"/> Visible sidewalls only <input type="checkbox"/> Other _____ Liner type: Thickness _____ mil <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other _____	
5. <input type="checkbox"/> Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	

RULE 50 Form C-144 PERMITTED

<p>6. Fencing: Subsection D of 19.15.17.11 NMAC (<i>Applies to permanent pits, temporary pits, and below-grade tanks</i>)</p> <p><input type="checkbox"/> Chain link, six feet in height, two strands of barbed wire at top (<i>Required if located within 1000 feet of a permanent residence, school, hospital, institution or church</i>)</p> <p><input type="checkbox"/> Four foot height, four strands of barbed wire evenly spaced between one and four feet</p> <p><input type="checkbox"/> Alternate. Please specify _____</p>	
<p>7. Netting: Subsection E of 19.15.17.11 NMAC (<i>Applies to permanent pits and permanent open top tanks</i>)</p> <p><input type="checkbox"/> Screen <input type="checkbox"/> Netting <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Monthly inspections (If netting or screening is not physically feasible)</p>	
<p>8. Signs: Subsection C of 19.15.17.11 NMAC</p> <p><input checked="" type="checkbox"/> 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers</p> <p><input checked="" type="checkbox"/> Signed in compliance with 19.15.3.103 NMAC</p>	
<p>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:</p> <p><input type="checkbox"/> Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.</p> <p><input type="checkbox"/> Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.</p>	
<p>10. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: <i>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.</i></p>	
<p>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</p> <p>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</p> <p>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (<i>Applies to temporary, emergency, or cavitation pits and below-grade tanks</i>) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</p> <p>Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (<i>Applies to permanent pits</i>) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</p> <p>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</p> <p>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</p> <p>Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</p> <p>Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division</p> <p>Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map</p> <p>Within a 100-year floodplain. - FEMA map</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>

<p>11. Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC</p> <p>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.</p> <p> <input type="checkbox"/> Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC <input type="checkbox"/> Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC <input type="checkbox"/> Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC <input type="checkbox"/> Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC <input type="checkbox"/> Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC <input type="checkbox"/> 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 </p> <p> <input type="checkbox"/> Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____ </p>	
<p>12. Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC</p> <p>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.</p> <p> <input type="checkbox"/> Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 NMAC <input type="checkbox"/> Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC <input type="checkbox"/> Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC <input type="checkbox"/> Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC <input type="checkbox"/> 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 </p> <p> <input type="checkbox"/> Previously Approved Design (attach copy of design) API Number: _____ </p> <p> <input type="checkbox"/> 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) </p>	
<p>13. Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC</p> <p>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.</p> <p> <input type="checkbox"/> Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC <input type="checkbox"/> Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC <input type="checkbox"/> Climatological Factors Assessment <input type="checkbox"/> Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC <input type="checkbox"/> Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC <input type="checkbox"/> Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC <input type="checkbox"/> Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC <input type="checkbox"/> Quality Control/Quality Assurance Construction and Installation Plan <input type="checkbox"/> Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC <input type="checkbox"/> Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC <input type="checkbox"/> Nuisance or Hazardous Odors, including H₂S, Prevention Plan <input type="checkbox"/> Emergency Response Plan <input type="checkbox"/> Oil Field Waste Stream Characterization <input type="checkbox"/> Monitoring and Inspection Plan <input type="checkbox"/> Erosion Control Plan <input type="checkbox"/> Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC </p>	
<p>14. Proposed Closure: 19.15.17.13 NMAC</p> <p>Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.</p> <p>Type: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Cavitation <input type="checkbox"/> P&A <input type="checkbox"/> Permanent Pit <input type="checkbox"/> Below-grade Tank <input type="checkbox"/> Closed-loop System <input type="checkbox"/> Alternative</p> <p>Proposed Closure Method: <input type="checkbox"/> Waste Excavation and Removal <input type="checkbox"/> Waste Removal (Closed-loop systems only) <input checked="" type="checkbox"/> On-site Closure Method (Only for temporary pits and closed-loop systems) <div style="margin-left: 40px;"><input type="checkbox"/> In-place Burial <input checked="" type="checkbox"/> On-site Trench Burial</div> <input type="checkbox"/> Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration) </p>	
<p>15. 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.</p> <p> <input type="checkbox"/> Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC <input type="checkbox"/> Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC <input type="checkbox"/> Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) <input type="checkbox"/> Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC <input type="checkbox"/> Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC <input type="checkbox"/> Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC </p>	

16.
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)
Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____
 Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?
☐ 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 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

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 closure plan. 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. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

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 nearby wells	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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 nearby wells	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

18.
On-Site 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.

☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☒ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
☒ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
☒ 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
☒ Waste Material Sampling Plan - 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 or in case on-site closure standards cannot be achieved)
☒ Soil Cover Design - 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

19.

Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): M. Y. (Merch) Merchant Title: Legal Agent for McKay Oil Corporation

Signature: [Signature] Date: August 14, 2009

e-mail address: mymerch@penrocoil.com Telephone: (575) 492-1236

20.

OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure Plan (only) ☒ OCD Conditions (see attachment)

OCD Representative Signature: Signed By [Signature] Approval Date: SEP 29 2009

Title: ENV. SPEC. OCD Permit Number: N/A

21.

Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ Closure Completion Date: _____

22.

Closure Method:

☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

23.

Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations

- ☐ Site Reclamation (Photo Documentation)
☐ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique

24.

Closure Report Attachment Checklist: *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

- ☐ Proof of Closure Notice (surface owner and division)
☐ Proof of Deed Notice (required for on-site closure)
☐ Plot Plan (for on-site closures and temporary pits)
☐ Confirmation Sampling Analytical Results (if applicable)
☐ Waste Material Sampling Analytical Results (required for on-site closure)
☐ Disposal Facility Name and Permit Number
☐ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique
☐ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude _____ Longitude _____ NAD: ☐ 1927 ☐ 1983

25.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

N.M. Oil and Gas Order No. 2
1301 W. ... Avenue
Artesia, NM 88201

Form 3160-3
(April 2004)

Month - Year
MAR - 9 2007
OCD - ARTESIA, NM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

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

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NM 36193
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator McKay Oil Corporation 14424		7. If Unit or CA Agreement, Name and No. 34883
3a. Address PO Box 2014 Roswell NM, 88202-2014		8. Lease Name and Well No. Four Mile Draw B Federal 7Y
3b. Phone No. (include area code) 505-623-4735		9. API Well No. 30-005-63900
4. Location of Well (Report location clearly and in accordance with any State requirements *) At surface 695' FSL & 660' FWL Sec. 15, T6S, R22E. At proposed prod. zone 1666' FSL & 2332' FWL Sec. 15, T6S, R22E		10. Field and Pool, or Exploratory W. Pecos ABO Slope
14. Distance in miles and direction from nearest town or post office* Approximately 25 miles		11. Sec., T. R. M. or Blk. and Survey or Area T6S, R22E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660'	16. No. of acres in lease 927.51	12. County or Parish Chaves
17. Spacing Unit dedicated to this well 160'	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 2000'	13. State NM
19. Proposed Depth 3,200'	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4358'	20. BLM/BIA Bond No. on file
22. Approximate date work will start* 02/23/2007	23. Estimated duration 7 - 10 days	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

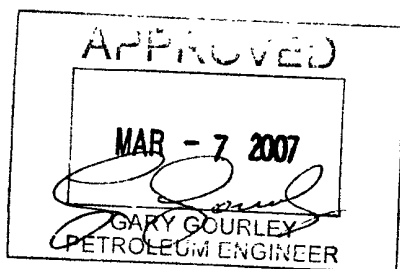
- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) James Schultz	Date 03/05/2007
Title Agent		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

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

*(Instructions on page 2)



MCKAY OIL CORPORATION
4 MILE DRAW "B" FEDERAL 7-Y
ON SITE CLOSURE PLAN

Protocols and Procedures, Sampling, Disposal and Site Reclamation

The reserve drilling pit at the McKay Oil Corporation, 4 Mile Draw "B" Federal 7-Y site will be closed on site, by trench burial methods. Depth to groundwater at the site is approximately 350 feet.

The burial pit will be constructed with dimensions of approximately 100 feet x 30 feet, and will be approximately 20 feet in depth. The bottom of the pit will be prepared with a firm, smooth surface prior to the installation of a 20 mil plastic liner covering the entire bottom and sides of the burial pit. The liner will extend over the sides of the pit, to allow for covering of the introduced pit contents.

The contents of the reserve drilling pit will be mixed with clean, dry soil (not to exceed a 3:1 ratio) so as to provide sufficient support for the burial pits final cover. A five-point composite sample will be collected from the reserve drilling pit contents and submitted to an NMOCD approved laboratory for analysis of BTEX, TPH, chlorides and WQCC standards (EPA method 1312). Upon receipt of laboratory confirmation from the soil sample that benzene is less than 0.2 mg/kg, total BTEX is less than 50 mg/kg, TPH is less than 2500 mg/kg, GRO and DRO is less than 500 mg/kg, chloride is less than 3000 mg/kg, and the WQCC sample is below all drinking water standards, the contents of the reserve drilling pit will be placed inside the burial pit (over the liner). Any hydrocarbon impacted or excess soil will be hauled to Gandy Marley Disposal Facility, Permit # NM-711-1-0020.

A five-point composite soil sample will be collected from below the liner of the reserve drilling pit and submitted to an NMOCD approved laboratory for analysis of BTEX, TPH and chlorides. Individual grab samples will be collected from any area that is wet, discolored or showing any evidence of a release.

Upon receipt of laboratory confirmation from soil samples that benzene is less than 0.2 mg/kg, total BTEX is less than 50 mg/kg, TPH is less than 2500 mg/kg, GRO and DRO is less than 500 mg/kg, and chloride is less than 3000 mg/kg, the contents of the burial pit will be encapsulated with the 20 mil liner, and covered by an additional 20 mil liner cover. The encapsulated material will be covered with a minimum of four (4) feet of clean soil and compacted. One (1) foot of topsoil will be placed above the compacted soil and contoured to surface grade.

The reserve drilling pit will be backfilled with clean soil to a depth of approximately one (1) foot below ground surface and compacted. One (1) foot of topsoil will be placed above the compacted soil and contoured to surface grade. The entire area will be re-seeded with a native grass seed mixture.

A final report will be submitted to the NMOCD within 60 days of completion of closure activities.

MCKAY OIL CORPORATION

4 MILE DRAW "B" FEDERAL 7-Y

ALTERNATIVE CLOSURE PLAN – WASTE EXCAVATION AND REMOVAL

Protocols and Procedures, Sampling, Disposal, Soil Backfill and Site Reclamation

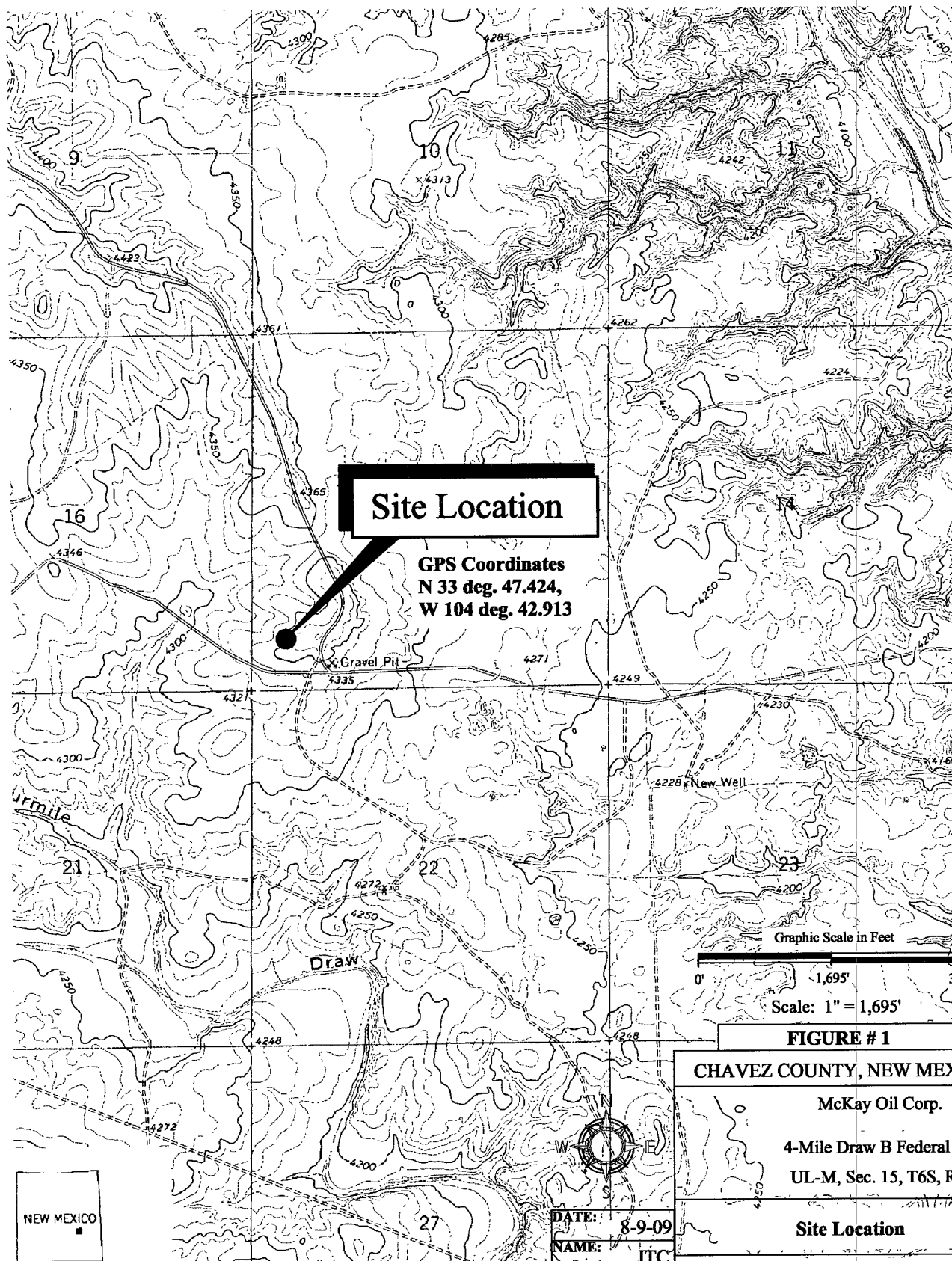
The original closure plan at the McKay Oil Corporation, 4 Mile Draw "B" Federal 7-Y reserve drilling pit was to close on site, by trench burial methods. Depth to groundwater at the site is approximately 350 feet.

If laboratory analyses of mixed waste from the reserve drilling pit report concentrations that exceed the New Mexico Oil Conservation Division standards for on-site burial, the pit liner and all contents of the reserve drilling pit will be removed from the site to Gandy-Marley (Permit # NM-711-1-0020).

A five-point composite sample will be collected from below the pit liner and submitted to an NMOCD approved laboratory for analysis of BTEX, TPH, chlorides. Upon receipt of laboratory confirmation from the soil sample that benzene is less than 0.2 mg/kg, total BTEX is less than 50 mg/kg, TPH is less than 2500 mg/kg, GRO and DRO is less than 500 mg/kg, and chloride is less than 3000 mg/kg, the reserve drilling pit will be backfilled with stockpiled soil removed during construction of the drilling pit.

The reserve drilling pit will be backfilled with clean soil to a depth of approximately one (1) foot below ground surface and compacted. One (1) foot of topsoil will be placed above the compacted soil and contoured to surface grade. The entire area will be re-seeded with a native grass seed mixture.

A final report will be submitted to the NMOCD within 60 days of completion of closure activities.





New Mexico Office of the State Engineer

Point of Diversion by Location

(with Owner Information)

No PODs found.

Basin/County Search:

County: Chaves

PLSS Search:

Q16: SW

Q4: SW

Section(s): 15

Township: 06S

Range: 22E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

8/23/09 1:32 AM

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POINT OF DIVERSION BY LOCATION



New Mexico Office of the State Engineer **Water Column/Average Depth to Water**

No records found.

Basin/County Search:

County: Chaves

PLSS Search:

Section(s): 15

Township: 06S

Range: 22E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data

8/23/09 1:35 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer **Water Column/Average Depth to Water**

No records found.

Basin/County Search:

County: Chaves

PLSS Search:

Section(s): 14

Township: 06S

Range: 22E

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8/23/09 1:35 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer **Water Column/Average Depth to Water**

No records found.

Basin/County Search:

County: Chaves

PLSS Search:

Section(s): 16

Township: 06S

Range: 22E

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WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer **Water Column/Average Depth to Water**

No records found.

Basin/County Search:

County: Chaves

PLSS Search:

Section(s): 10

Township: 06S

Range: 22E

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WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Sub basin	Use	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
RA 09795	STK	CH		2	2	3	22	06S	22E	526847	3737826*	650		
													Average Depth to Water:	--
													Minimum Depth:	--
													Maximum Depth:	--

Record Count: 1

Basin/County Search:

County: Chaves

PLSS Search:

Section(s): 22

Township: 06S

Range: 22E

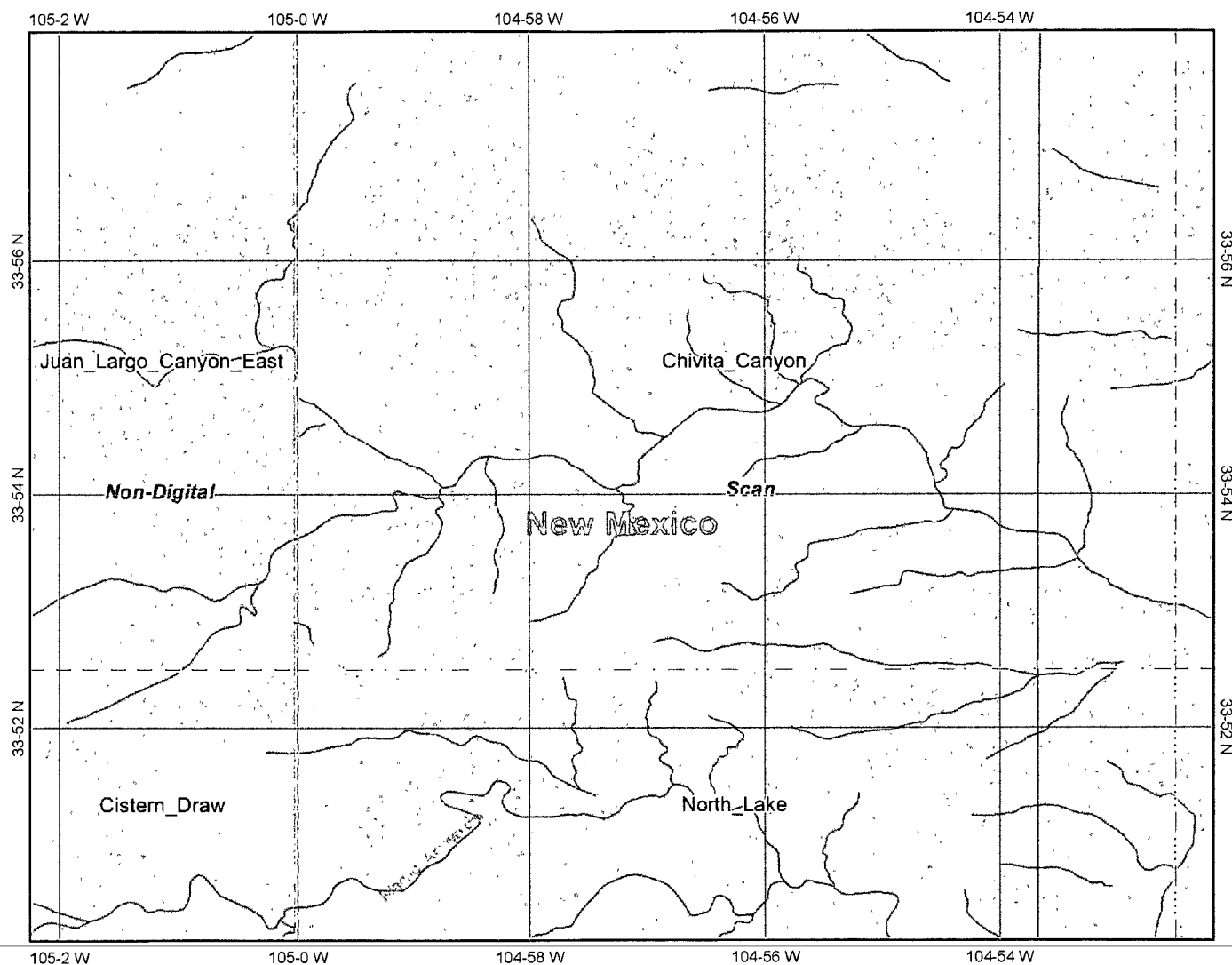
*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



- Interstate
- Major Roads
- Other Road
- Interstate
- State highway
- US highway
- Cities
- USGS Quad Index 24K
- Lower 48 Available Wetland Data
- Non-Digital
- Digital
- No Data
- Scan
- NHD Waterbodies**
 - LAKE/POND
 - RESERVOIR
 - STREAM/RIVER
- NHD Streams
- Counties 100K
- Urban Areas 300K
- States 100K
- South America
- North America

MMQonline Public Version

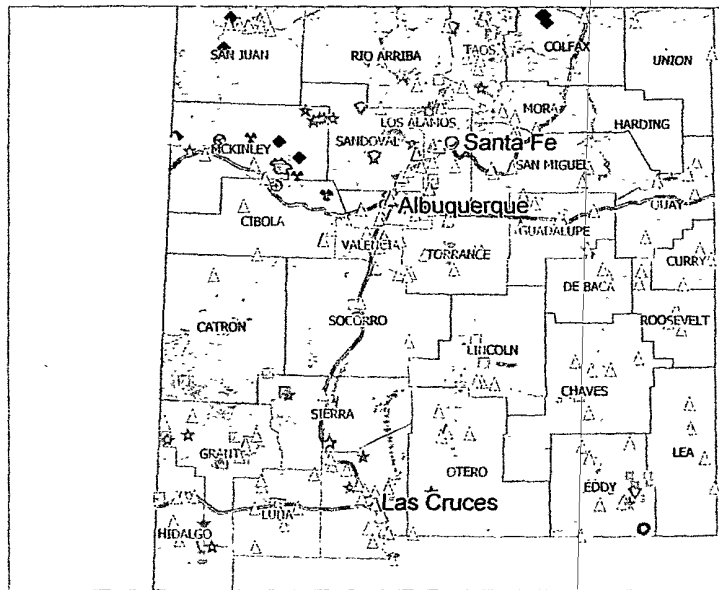
Mines, Mills & Quarries Commodity Groups

-  Aggregate & Stone Mines
-  Coal Mines
-  Industrial Minerals Mines
-  Industrial Minerals Mills
-  Metal Mines and Mill Concentrate
-  Potash Mines & Refineries
-  Smelters & Refinery Ops.
-  Uranium Mines
-  Uranium Mills

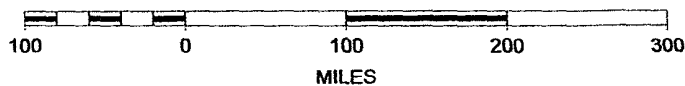
Population

-  Cities - Big 3

Transportation



SCALE 1 : 7,476,555



New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



Conditions of approval for onsite disposal of drilling pit contents:

Samples are to be obtained from pit contents and analyses ran per 19.15.17.13. Paragraph F [NMAC]. In the event the analytical requirements are not met, onsite disposal will not be permitted and the alternative closure method will be required.

Sample analyses of pit contents are to be submitted to NMOCD and approval granted prior to closure of burial trench.

Per 19.15.17 NMAC, Operator shall notify the District Office at least 72 hours, but not more than one week, prior to commencement of closure operations. The notice shall include the operator's name and the location to be closed by unit letter, section, township and range. The notice shall also include the well name, number and API number.

Notify NMOCD District 2 Office 48 hours prior to obtaining samples from drilling pit contents.

Notify NMOCD District 2 Office 48 hours prior to obtaining samples from drilling pit bottom.

Adherence to all requirements per 19.15.17 [NMAC]

