



SEP 16 2008

Form C-144  
July 21, 2008

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

**OCD-ARTESIA**

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. C&D MANAGEMENT COMPANY dba FREEDOM VENTURES		OGRID #: 231382
Operator: _____		
Address: 4801 Lang NE, Suite #110, Albuquerque, New Mexico, 87109		
Facility or well name: <del>Shearn Freedom Federal #2</del> <b>SHEARN SARANDA FEDERAL #1</b>		
API Number: 30-015- <del>8426</del> <b>31060</b>		OCD Permit Number: _____
U/L or Qtr/Qtr	A	Section 14 Township T 17S Range R 27E County: Eddy County
Center of Proposed Design: Latitude 32.8395327424		Longitude 104.2429643 NAD: <input 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"/> <b>Pit:</b> Subsection F or G of 19.15.17.11 NMAC	
Temporary: <input type="checkbox"/> Drilling <input checked="" 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 20 mil <input type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other _____	
<input type="checkbox"/> String-Reinforced	
Liner Seams: <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Factory <input type="checkbox"/> Other _____	
See attached Manufactures Technical Specifications Sheet	
Volume: _____ bbl Dimensions: L _____ x W _____ x D _____	

3. <b>NOT APPLICABLE:</b>	
<input type="checkbox"/> <b>Closed-loop System:</b> 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. <b>NOT APPLICABLE:</b>	
<input type="checkbox"/> <b>Below-grade tank:</b> 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"/> <b>Alternative Method:</b>	
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	

6.	<p><b>Fencing:</b> 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>																														
7.	<p><b>Netting:</b> 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>																														
8.	<p><b>Signs:</b> 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 type="checkbox"/> Signed in compliance with 19.15.3.103 NMAC</p>																														
9.	<p><b>Administrative Approvals and Exceptions:</b></p> <p>Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.</p> <p><b>Please check a box if one or more of the following is requested, if not leave blank:</b></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>																														
10.	<p><b>Siting Criteria (regarding permitting):</b> 19.15.17.10 NMAC</p> <p><b>Instructions:</b> <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> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; vertical-align: top;"> <p>Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.</p> <p>- NM Office of the State Engineer - iWATERS database search; USGS: Data obtained from nearby wells</p> </td> <td style="width: 10%; text-align: center; vertical-align: top;"> <p>See attached Bureau of Hydrology Print-Out - Attached Hereto</p> </td> <td style="width: 20%; text-align: center; vertical-align: top;"> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> </td> </tr> <tr> <td style="vertical-align: top;"> <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).</p> <p>- Topographic map; Visual inspection (certification) of the proposed site</p> </td> <td></td> <td style="text-align: center; vertical-align: top;"> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> </td> </tr> <tr> <td style="vertical-align: top;"> <p>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. 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<p>Within a 100-year floodplain.</p> <p>- FEMA map</p>		<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>																													

11.

**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

Temporary Work Over Pit for Plugging Well. All materials and displaced fluids will be disposed of, and transported by OK Hot Oil Service & Controlled Recovery, Inc. Permit #R9166

☐ Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_ or Permit Number: \_\_\_\_\_

12.

**Closed-loop Systems Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9  
☐ Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC  
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_

☐ Previously Approved Operating and Maintenance Plan API Number: \_\_\_\_\_ (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

13.

**Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC  
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
☐ Climatological Factors Assessment  
☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Quality Control/Quality Assurance Construction and Installation Plan  
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Nuisance or Hazardous Odors, including H<sub>2</sub>S, Prevention Plan  
☐ Emergency Response Plan  
☐ Oil Field Waste Stream Characterization  
☐ Monitoring and Inspection Plan  
☐ Erosion Control Plan  
☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

14.

**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)

Temporary Work Over Pit for Plugging Wells. All materials and displaced fluids will be disposed of and transported by OK Hot Oil Services and Controlled Recovery, Inc. [Permit No. R9166]

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.

- ☒ 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

## Temporary Work Over Pit Disposal

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.

Controlled Recovery, Inc.  
Hobbs/Halfway, New Mexico

R9166

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. Not Applicable

### 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 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 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 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 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 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 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 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 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 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 type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

18. Not Applicable:

### 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

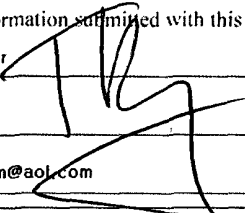
19.

**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): Thomas Kizer

Title: President

Signature: 

Date:

~~SEP 6, 2008~~ SEPTEMBER 13, 2008

e-mail address: oilfreedom@aol.com

Telephone: (505) 417-1511 --- (814) 688-3297

20.

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

OCB Representative Signature:

Signed By 

Approval Date:

SEP 16 2008

Title:

OCB Permit Number:

0208509

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: \_\_\_\_\_



# New Mexico Energy, Minerals and Natural Resources Department

**Bill Richardson**  
Governor

**Joanna Prukop**  
Cabinet Secretary  
**Reese Fullerton**  
Deputy Cabinet Secretary

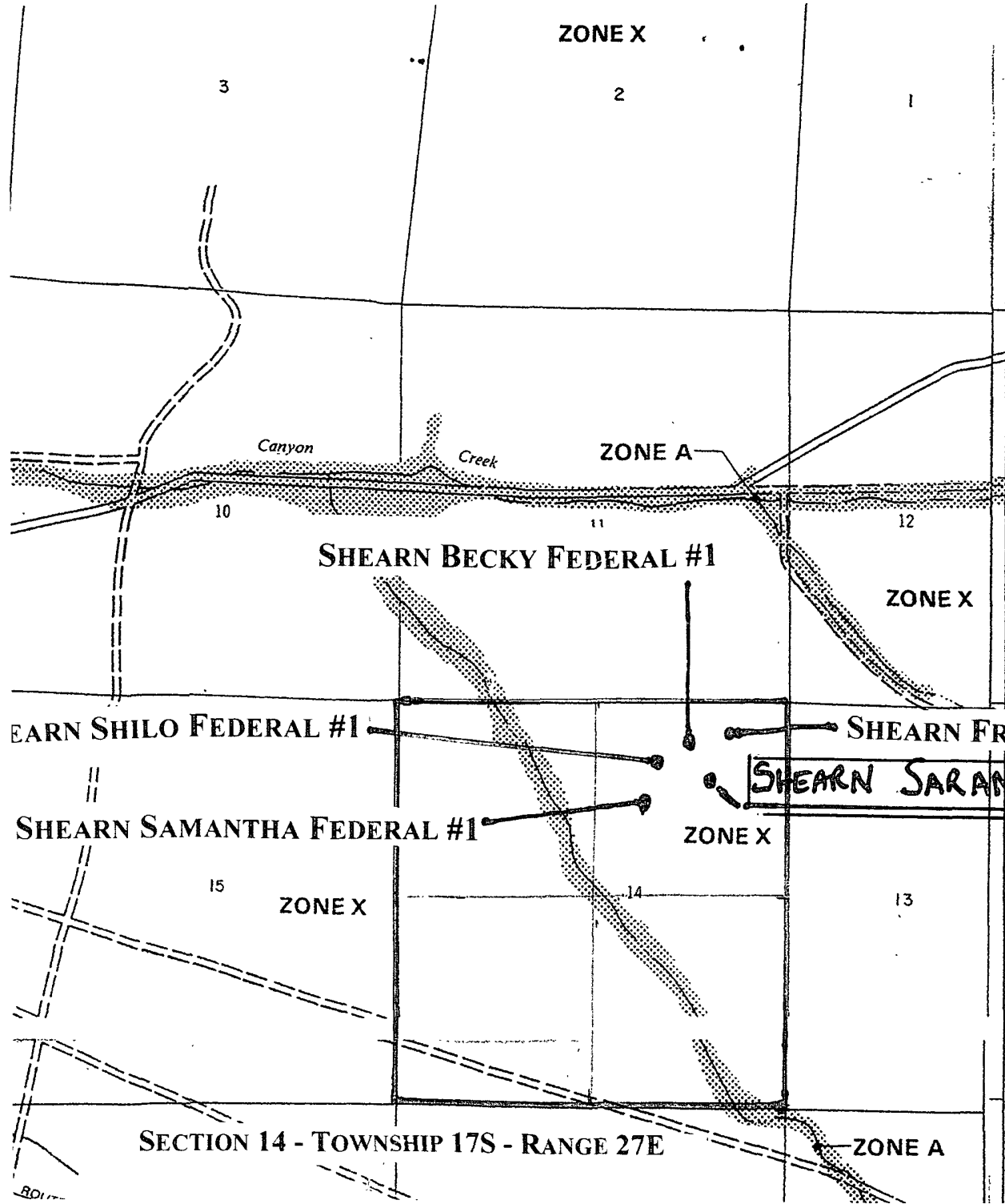
**Mark Fesmire**  
Division Director  
Oil Conservation Division



Stipulations for approval of drilling pit permitted for waste excavation and removal:

- Notify NMOCD District 2 Office 48 hours prior to construction of pit.
- Notify NMOCD District 2 Office 48 hours prior to commencement of closure activities.
- Notify NMOCD District 2 Office 48 hours prior to obtaining samples of pit bottom or any samples where analyses of samples obtained are to be submitted to NMOCD.





with drainage areas less than 1 square mile: and areas protected by levees from 100-year flood.

- OTHER AREAS**
- ZONE X** Areas determined to be outside 500-year floodplain.
  - ZONE D** Areas in which flood hazards are undetermined.
  - Floodplain Boundary
  - - - Floodway Boundary
  - - - Zone D Boundary
  - [Cross-hatched] Boundary Dividing Special Flood Hazard Zones.
  - 513 Base Flood Elevation Line; Elevation in Feet\*
  - [D] — [D] Cross Section Line
  - (EL 987) Base Flood Elevation in Feet Where Uniform Within Zone\*
  - RM 7<sub>x</sub> Elevation Reference Mark
  - M1.5 River Mile

\*Referenced to the National Geodetic Vertical Datum of 1929

### NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for possible updated flood hazard information prior to use of this map for property purchase or construction purposes.

Areas shown on this map are based on data developed by the National Weather Service for hurricane evacuation planning. Areas shown on this map are based on data developed by the National Weather Service for hurricane evacuation planning.

Areas shown on this map are based on data developed by the National Weather Service for hurricane evacuation planning. Areas shown on this map are based on data developed by the National Weather Service for hurricane evacuation planning.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

Elevation reference marks are described in the Flood Insurance Study Report. For adjoining map panels see separately printed Map Index.

### MAP REPOSITORY

Eddy County Courthouse, Carlsbad, New Mexico 88221 1139 (Maps available for reference only, not for distribution).

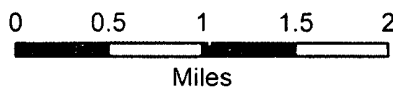
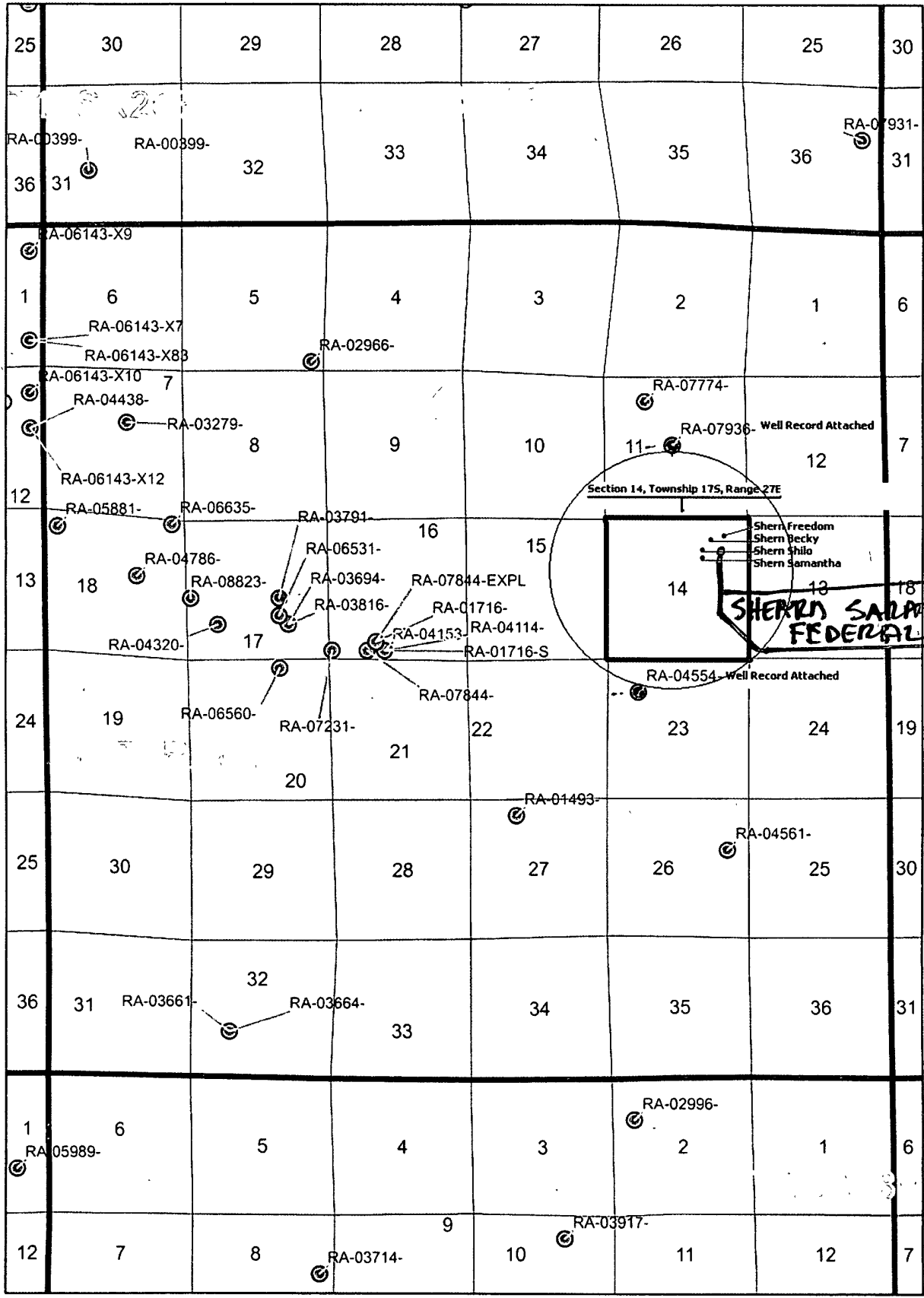
### INITIAL IDENTIFICATION:

FEBRUARY 7, 1978

### FLOOD HAZARD BOUNDARY MAP REVISIONS:



Map Provided by: New Mexico Bureau of Hydrology



FREEDOM VENTURES -  
C&D MANAGEMENT



New Mexico Office of the State Engineer  
POD Reports and Downloads

Township: 17S      Range: 27E      Sections:

NAD27 X:      Y:      Zone:      Search Radius:

County:      Basin:      Number:      Suffix:

Owner Name: (First)      (Last)      Non-Domestic      Domestic      All  
POD / Surface Data ReportAvg Depth to Water ReportWater Column Report

POD / SURFACE DATA REPORT 08/03/2008

		(acre ft per annum)						(quarters are 1=NW 2=NE 3=SW 4=SE)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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New Mexico Office of the State Engineer  
POD Reports and Downloads

Township: 17S    Range: 27E Sections:

NAD27 X:    Y:    Zone:    Search Radius:

County:    Basin:    Number:    Suffix:

Owner Name: (First)    (Last)    Non-Domestic    Domestic    All  
POD / Surface Data ReportAvg Depth to Water ReportWater Column Report

WATER COLUMN REPORT 08/03/2008

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest)										Depth	Depth	Water (in fget)
POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Well	Water	Column
RA 02966	17S	27E	05	4	4	4				80	30	50
RA 03279	17S	27E	07	2	3					250	14	236
RA 07774	17S	27E	11	1	2	3				100	50	50
RA 07844 EXPL	17S	27E	16	3	4					1300	180	1120
RA 07844	17S	27E	16	3	4	3				1300	180	1120
RA 01716 (D)	17S	27E	16	3	4	4				1220	175	1045
RA 01716 S	17S	27E	16	3	4	4				1200		
RA 04114	17S	27E	16	3	4	4				1042	260	782
RA 04153	17S	27E	16	3	4	4				1220	175	1045
RA 04320	17S	27E	17	3						120	50	70
RA 08823	17S	27E	17	3	1	1				348	60	288
RA 03694	17S	27E	17	4						300	90	210
RA 03816	17S	27E	17	4						945	931	14
RA 06531	17S	27E	17	4	1	4				200		
RA 06635	17S	27E	18	2	2	2				325	60	265
RA 04786	17S	27E	18	2	3	4				138	111	27
RA 06560	17S	27E	20	2	1	2				133	80	53
RA 04554	17S	27E	23	1						220	40	180
RA 04561	17S	27E	26	2	4					250		
RA 01493	17S	27E	27	1	2					876		
RA 03661	17S	27E	32	3	2	3				330	140	190
RA 03664	17S	27E	32	3	2	3				400	100	300

Record Count: 22

*New Mexico Office of the State Engineer*  
**POD Reports and Downloads**

Township: 17S    Range: 27E    Sections:  
NAD27 X:    Y:    Zone:    Search Radius:  
County:    Basin:    Number:    Suffix:  
Owner Name: (First)    (Last)    Non-Domestic    Domestic    All  
POD / Surface Data ReportAvg Depth to Water ReportWater Column Report

**AVERAGE DEPTH OF WATER REPORT 08/03/2008**

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
RA	17S	27E	05				1	30	30	30
RA	17S	27E	07				1	14	14	14
RA	17S	27E	11				1	50	50	50
RA	17S	27E	16				5	175	260	194
RA	17S	27E	17				4	50	931	283
RA	17S	27E	18				2	60	111	86
RA	17S	27E	20				1	80	80	80
RA	17S	27E	23				1	40	40	40
RA	17S	27E	32				2	100	140	120

Record Count:    18.

LOG FILED

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1


(A) Owner of well Lowe Drilling Co  
Street and Number \_\_\_\_\_  
City Midland State Texas  
Well was drilled under Permit No. RA 4554 and is located in the  
NW  $\frac{1}{4}$   $\frac{1}{4}$  of Section 23 Twp. 17 Rge. 27  
(B) Drilling Contractor Owen Haynes License No. WD 318  
Street and Number 805 Missouri  
City Artesia State New Mexico  
Drilling was commenced Jan 26 19 62  
Drilling was completed Feb 20 19 62

(Plat of 640 acres)

Elevation at top of casing in feet above sea level 220 Total depth of well 40  
State whether well is shallow or artesian shallow Depth to water upon completion 40

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	190	210	20	Anyh
2				
3				
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
7"	20	10			20	None		

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor \_\_\_\_\_ License No. \_\_\_\_\_  
Street and Number \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_  
Tons of Clay used \_\_\_\_\_ Tons of Roughage used \_\_\_\_\_ Type of roughage \_\_\_\_\_  
Plugging method used \_\_\_\_\_ Date Plugged \_\_\_\_\_ 19 \_\_\_\_\_  
Plugging approved by: \_\_\_\_\_ Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor \_\_\_\_\_

FOR USE OF STATE ENGINEER ONLY

Date Received 1962 DEC 12 PM 2:25

File No. RA 4554 Use OWN D Location No. 17.27.23.100

## Section 6

## LOG OF WELL

[illegible]

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Queen Haynes  
Well Driller

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

# Declaration of Owner of Underground Water Right

## ROSWELL UNDERGROUND WATER BASIN

BASIN NAME

Declaration No. RA-7936 Date received July 10, 1991

### STATEMENT

- Name of Declarant Bogle Farms  
Mailing Address P.O. Drawer 460 Dexter  
County of Chaves, State of NM
- Source of water supply Shallow Water  
(artesian or shallow water aquifer)
- Describe well location under one of the following subheadings:  
a. 710' FNL 1650' FWL % of Sec. 11 Twp. 17S Rgc. 27E N.M.D.M. in  
Eddy County.
- Tract No. \_\_\_\_\_ of Map No. \_\_\_\_\_ of the \_\_\_\_\_  
c. X = \_\_\_\_\_ feet, Y = \_\_\_\_\_ feet, N. M. Coordinate System \_\_\_\_\_ Zone \_\_\_\_\_  
in the \_\_\_\_\_ Ground \_\_\_\_\_  
On land owned by Bogle Farms
- Description of well: date drilled 1990 driller Gary Keys depth 101 feet.  
outside diameter of casing 6" inches; original capacity 4 gal. per min.; present capacity 4  
gal. per min.; pumping lift 80 feet; static water level 80 feet (above) (below) land surface.  
make and type of pump Windmill 12' Aermoter  
make, type, horsepower, etc., of power plant \_\_\_\_\_  
Fractional or percentage interest claimed in well 100%
- Quantity of water appropriated and beneficially used 1.54  
(acre feet per acre) (acre feet per annum)  
for Livestock & Wildlife purposes.
- Acreage actually irrigated \_\_\_\_\_ acres; located and described as follows (describe only lands actually irrigated):

Subdivision	Sec.	Twp.	Range	Acre 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 1990 and since that time  
month \_\_\_\_\_ day \_\_\_\_\_ year \_\_\_\_\_  
has been used fully and continuously on all of the above described lands or for the above described purposes except  
as follows: \_\_\_\_\_

- Additional statements or explanations: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Stuart Bogle**

I, Stuart Bogle, being first duly sworn upon my oath, depose and say that the above is a full and complete statement prepared in accordance with the instructions on the reverse side of this form and submitted in evidence of ownership of a valid underground water right, that I have carefully read each and all of the items contained therein and that the same are true to the best of my knowledge and belief.

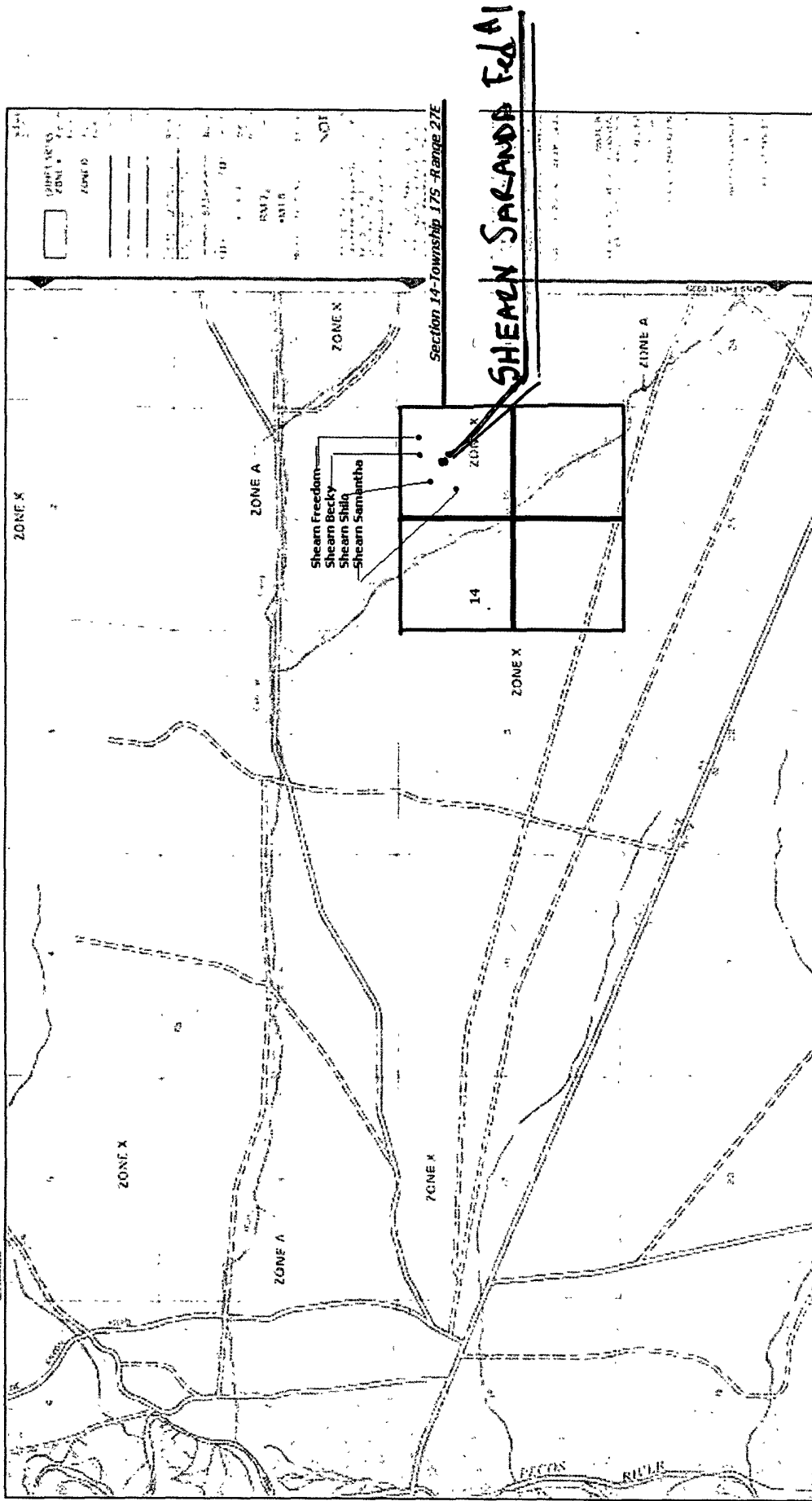
Bogle Farms

by \_\_\_\_\_

Subscribed and sworn to before me this 12th day of June, A.D. 1991  
My commission expires July 11, 1991 Anita K. Wagner Notary Public

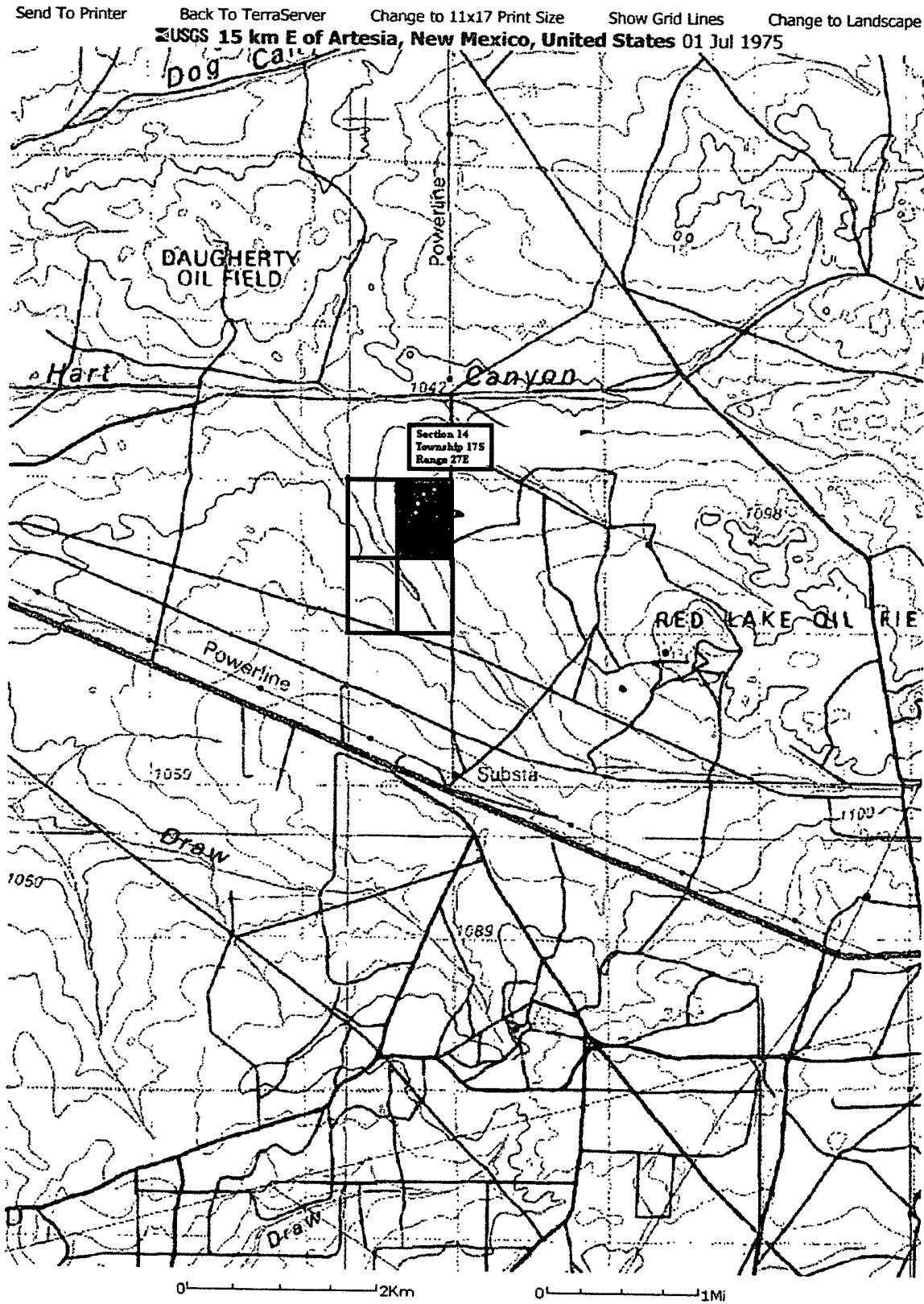
711 - 2111 1770





**FLOOD PLAN MAP - FEMA**  
**National Flood Insurance Program Map**  
**Eddy County, New Mexico**  
**Panel No.:350120-0200R -Panel 200 of 1125**  
**Effective Date: February 6, 1991**  
**[See Full Size Map Attached]**





**FREEDOM OIL - C & D MANAGEMENT COMPANY**  
**TEMPORARY PIT DESIGN AND CONFIGURATION**

TEMPORARY PIT SPECIFICATIONS:

DIMENSIONS: 15 FT X 15FT

DEPTH: 3 FEET

**PROTECTIVE LINER : 20 MIL LINER: WOVEN [SPECIFICATIONS ATTACHED]**

## TRANSPORT OF DISPLACEMENT FLUIDS:

PROTECTIVE LINING TRENCH [12" Depth] OR HOSE PIPE FROM WELL TO PIT

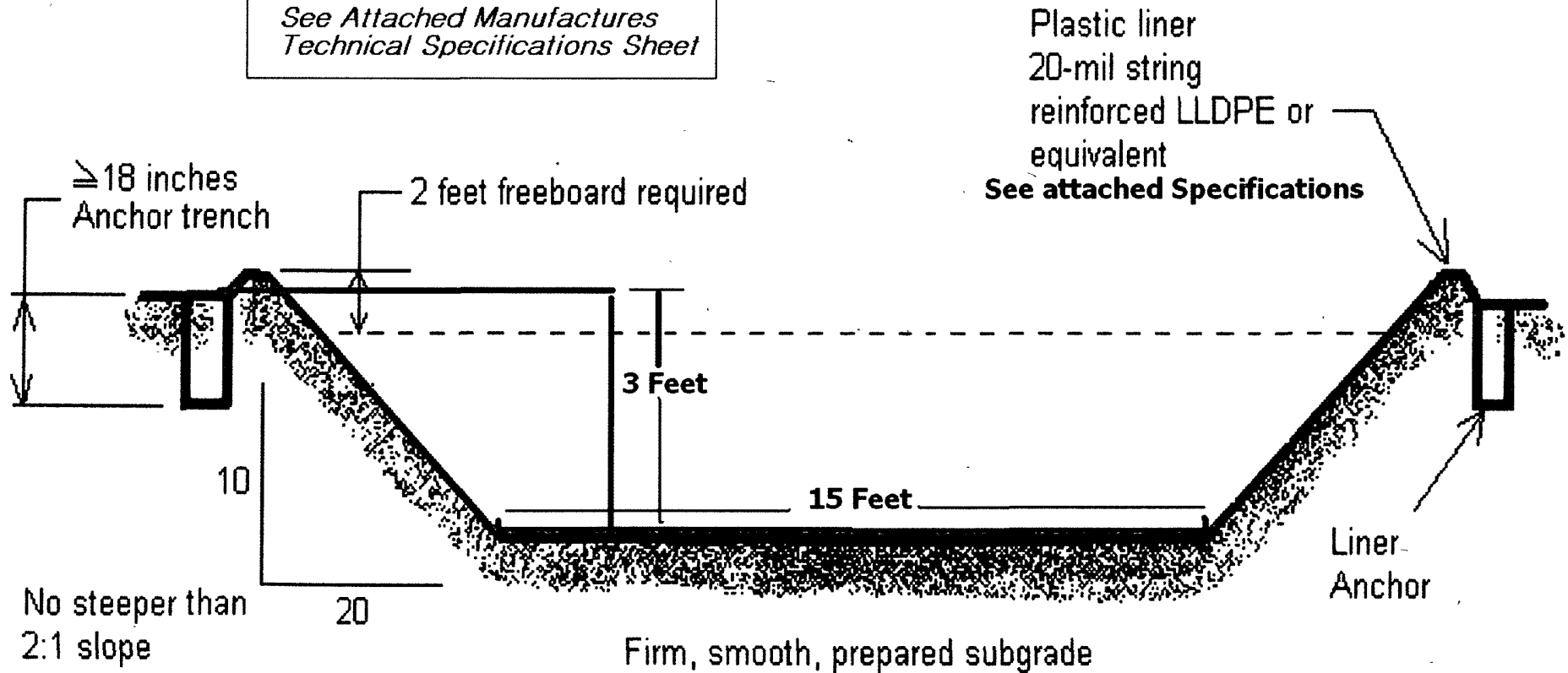
TEMPORARY PIT PREPARED BY: MESQUITE SERVICES, ARTESIA, NEW MEXICO

### DISPOSAL OF FLUIDS AND PIT LINER MATERIAL

☐ OK Hot Oil Services, Loco, New Mexico

**Controlled Recovery, Inc., Halfway, New Mexico**  
Waste Disposal Permit: R9166

**Pit Liners:**  
See Attached Manufactures  
Technical Specifications Sheet



# TEMPORARY PIT DESIGN AND CONSTRUCTION

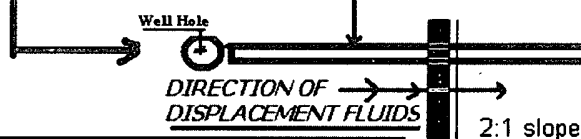
## DISPOSAL OF DISPLACEMENT FLUIDS:

And all materials, including Pit Liner

- ☐ OK Hot Oil Services, Loco, New Mexico
- ☐ Controlled Recovery, Inc., Halfway, New Mexico  
Waste Disposal Permit No.: R9166

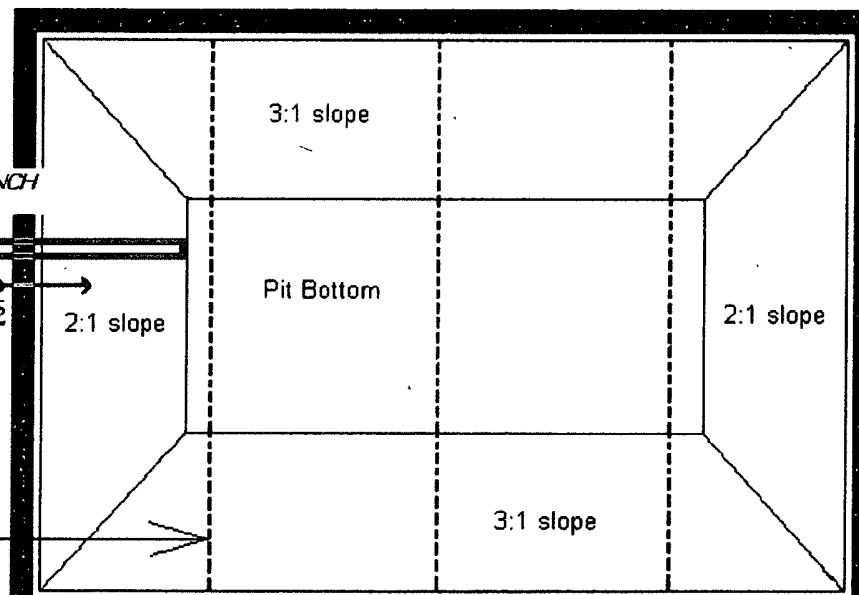
### WELL BEING PLUGGED:

DISPLACEMENT OF FLUIDS  
IN PIPE OR 12" DEEP TRENCH



Note:  
IF 12" DEEP TRENCH IS UTILIZED, THE  
TRENCH WILL BE LINED WITH THE  
SAME PIT LINER AS THE PIT.

Seam



### TEMPORARY PIT SPECIFICATIONS

DIMENSIONS: 15FT X 15FT

DEPTH: 3 FEET

PROTECTIVE LINER: 20 MIL LINE WOVEN [SPECS ATTACHED]

TEMPORARY PIT PREPARED BY: MESQUITE SERVICES, ARTESIA, NEW MEXICO

DISPLACEMENT FLUIDS FROM WELL TO PIT - TRANSPORTED IN PIPE OR 12"  
DEEP TRENCH

# W T Plastics, Ltd.

Phone 432-563-4005  
Fax 432-561-5209  
Toll Free 800-583-6005

P.O. Box 60004  
Midland, Texas 79711

## TECHNICAL SPECIFICATION SHEET 20 MIL WOVEN BLACK/BLACK TYPE RB88X-6

Made from high density polyethylene tapes, coated on two sides with low density polyethylene.

PROPERTIES	UNIT	VALUES	TEST METHOD
Unit Weight	oz/yd <sup>2</sup>	8.9	ASTM D3775
Warp Construction	Tapes/in	Warp 16 Weft 16	ASTM D3775
Widths	in	up to 144	
Tensile Grab Strength	lbf	Warp/Weft 342	ASTM D751
Tear Strength *(longue)	lbf	Warp/Weft 117	ASTM D751
Tear Strength (trapezoid)	lbf	Warp/Weft 90	ASTM D751
Scrim Color		Black	
Coating Thickness	mil	Black 2.5	ASTM D1777 MOD
Carbon Dispersion	>%	2	ASTM D3015
Oil Resistance Strength retained %	%	Warp 87	ASTM D882
Oil Resistance Strength retained %	%	Weft 97	ASTM D882
Low Temperature Bend	-95 F	No Crack	ASTM D2136
Mullen Burst Strength	psi	551	ASTM D751
Moisture Vapor Transmission	g/(m <sup>2</sup> *24hrs)	.1	ASTM E96-92 proc A
Water Permeance	g/(m <sup>2</sup> *24hrs)	0	ASTM D4491
Puncture Resistance	lbf	greater than 180	ASTM 4833
1" Tensile Strength	lbf	200	ASTM D382
1" Tensile Elongation	%	15	ASTM D382
Nominal Thickness	mil	20	ASTM D1777 MOD

\*Includes force to shift tapes - Tear may be crosswise to direction of force

TGLB585 contains ultraviolet inhibitors and is suitable for outdoor applications

Note: to the best of our knowledge, these are typical property values and are intended as guides only. Not as specification limits. WEST TEXAS PLASTICS, INC. MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.