

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

Form C-144
June 24, 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

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.

<p>Operator: <u>Enervest Operating, LLC</u> OGRID #: <u>143199</u></p> <p>Address: <u>Peter Tower 1001 Fannin Street Suite 800, Houston, TX 77002</u></p> <p>Facility or well name: <u>Bear Canyon Unit No. 6</u></p> <p>API Number: <u>30-</u> OCD Permit Number: <u></u></p> <p>U/L or Qtr/Qtr <u>D, NWNW</u> Section <u>14</u> Township <u>26 North</u> Range <u>02 West</u> County: <u>Rio Arriba</u></p> <p>Center of Proposed Design: Latitude: <u>36°29'28.42157" North</u> Longitude: <u>107°01'33.74496" West</u> NAD: <input checked="" type="checkbox"/> 1927 <input type="checkbox"/> 1983</p> <p>Surface Owner: <input type="checkbox"/> Federal <input type="checkbox"/> State <input checked="" type="checkbox"/> Private <input type="checkbox"/> Tribal Trust or Indian Allotment</p>	
<p><input checked="" type="checkbox"/> Pit: Subsection F or G of 19.15.17.11 NMAC</p> <p>Temporary: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover</p> <p><input type="checkbox"/> Permanent <input type="checkbox"/> Emergency <input type="checkbox"/> Cavitation <input type="checkbox"/> Steel Pit</p> <p><input type="checkbox"/> Lined <input type="checkbox"/> Unlined</p> <p>Liner type: Thickness <u>20</u> mil <input checked="" type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC</p> <p><input type="checkbox"/> Other <u></u> <input checked="" type="checkbox"/> String-Reinforced</p> <p>Seams: <input checked="" type="checkbox"/> Welded <input checked="" type="checkbox"/> Factory <input type="checkbox"/> Other <u></u></p> <p>Volume: not to exceed 10 acre-ft., including free-board</p> <p>Dimensions: L 200 ft x W 65 ft x D 8 ft. Topsoil to be on the east side of well pad, as shown on plat. Excavated top soil will not be within 300 ft. of a continuously flowing stream or within 200 ft. of a significant watercourse.</p>	<p><input type="checkbox"/> Closed-loop System: Subsection H of 19.15.17.11 NMAC</p> <p><input type="checkbox"/> Drying Pad <input type="checkbox"/> Tanks <input type="checkbox"/> Haul-off Bins <input type="checkbox"/> Other <u></u></p> <p><input type="checkbox"/> Lined <input type="checkbox"/> Unlined</p> <p>Liner type: Thickness <u></u> mil <input type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC</p> <p><input type="checkbox"/> Other <u></u></p> <p>Seams: <input type="checkbox"/> Welded <input type="checkbox"/> Factory <input type="checkbox"/> Other <u></u></p> <p>Volume: <u></u> bbl <u></u> yd³</p> <p>Dimensions: Length <u></u> x Width <u></u></p>
<p><input type="checkbox"/> Below-grade tank: Subsection I of 19.15.17.11 NMAC</p> <p>Volume: <u></u> bbl</p> <p>Type of fluid: <u></u></p> <p>Tank Construction material: <u></u></p> <p><input type="checkbox"/> Secondary containment with leak detection</p> <p><input type="checkbox"/> Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off</p> <p><input type="checkbox"/> Visible sidewalls and liner</p> <p><input type="checkbox"/> Visible sidewalls only</p> <p><input type="checkbox"/> Other <u></u></p> <p>Liner type: Thickness <u></u> mil <input type="checkbox"/> HDPE <input type="checkbox"/> PVC</p> <p><input type="checkbox"/> Other <u></u></p>	<p><input type="checkbox"/> Fencing: Subsection D of 19.15.17.11 NMAC</p> <p><input type="checkbox"/> Chain link, six feet in height, two strands of barbed wire at top</p> <p><input checked="" type="checkbox"/> Four foot height, 48" of steel mesh field-fence with one strand of barbed wire on top of field-fence</p> <p>Netting: Subsection E of 19.15.17.11 NMAC</p> <p><input type="checkbox"/> Screen <input type="checkbox"/> Netting <input type="checkbox"/> Other <u></u></p> <p><input type="checkbox"/> Monthly inspections</p> <p>Signs: Subsection C of 19.15.17.11 NMAC</p> <p><input checked="" type="checkbox"/> 12"x24", 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>

☐ **Alternative Method:**

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

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 office for consideration of approval.

☐ 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 acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☒ No

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

(Applies to temporary, emergency, or cavitation pits and below-grade tanks)

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☒ No

☐ NA

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

(Applies to permanent pits)

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☒ No

☐ NA

Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

- Written confirmation or verification from the municipality; Written approval obtained from the municipality

☐ Yes ☒ No

Within 500 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within the area overlying a subsurface mine.

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☒ No

Within an unstable area.

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☒ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☒ No

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- ☒ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
- ☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☒ Closure Plan - 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: _____ or Permit Number: _____

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 (required for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
- ☐ Siting Criteria Compliance Demonstrations (required 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 - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

NMAC

- ☐ Previously Approved Design (attach copy of design) API Number: _____

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 H₂S, 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

Type: ☒ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ 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)

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

☐ Yes ☒ No
☐ NA

Ground water is between 50 and 100 feet below the bottom of the buried waste

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☒ No
☐ 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

☒ Yes ☐ No
☐ 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

☐ Yes ☒ 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

☐ Yes ☒ No

Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.

- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site

☐ 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

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 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.

Disposal Facility Name: _____

Disposal Facility Permit Number: _____

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 and Design of Burial Trench (if applicable) 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

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): RONNIE YOUNG Title: Compliance Supv.

Signature: Ronnie L Young Date: 7-29-08

e-mail address: RYOUNG@ENERVEST.NET Telephone: 213 495-6530

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

OCD Representative Signature: Brandon Rull Approval Date: 7-31-08

Title: Enviro Spec OCD Permit Number: _____

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

☐ Closure Completion Date: _____

Closure Method:

☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method

☐ If different from approved plan, please explain.

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
- ☐ Proof of Deed Notice (if applicable)
- ☐ Plot Plan
- ☐ Confirmation Sampling Analytical Results
- ☐ Waste Material Sampling Analytical Results
- ☐ 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

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: _____

**Enervest Operating, LLC
San Juan Basin
Pit Design and Construction Plan**

In accordance with Rule 19 15 17 the following information describes the design and construction of temporary pits on Enervest Operating LLC locations. This is Enervest's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit, which does not conform to this plan.

General Plan

1. Enervest will design and construct a temporary pit to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
2. Prior to constructing the Pit, topsoil will be stockpiled In the construction zone for later use in restoration.
3. Enervest will post a well Sign, not less than 12" by 24", on the well site prior to construction of the temporary Pit The sign will list the operator on record as the operator, the location of the well site by unit letter, section, township range, and emergency telephone numbers.
4. Enervest shall construct all new fences utilizing 48" steel mesh field-fence on the bottom with a single strand of barbed wire on top. T-posts shall be Installed every 12 feet and corners shall be anchored utilizing a secondary T-post. Temporary pits will be fenced at all times excluding drilling or workover operations, when the front Side of the fence will be temporarily removed for operational purposes.
5. Enervest shall construct the temporary pit so that the foundation and interior slopes are firm and free of rocks, debris, sharp edges or irregularities to prevent liner failure.
6. Enervest shall construct the pit so that the slopes are no steeper than two horizontal feet to 1 vertical foot.
7. Pit walls will be walked down by a crawler type tractor following construction.
8. All temporary pits will be lined with a 20-mil, string reinforced, LLDPE liner, complying with EPA SW-846 method 9090A requirements.
9. Geotextile will be installed beneath the liner when rocks, debris, sharp edges or irregularities cannot be avoided.
10. All liners will be anchored In the bottom of a compacted earth-filled trench at least 18 inches deep.
11. Enervest will minimize liner seams and orient them up and down, not across a slope. Factory seams will be used whenever possible. Enervest will ensure all field seams are welded by qualified personnel. Field seams will be overlapped four to six inches and will be oriented parallel to the line of maximum slope. Enervest will minimize the number of field seams in corners and irregularly shaped areas.
12. The liner shall be protected from any fluid force or mechanical damage through the use of mud pit slides, or a manifold system.
13. The Pit shall be protected from run-off by constructing and maintaining diversion ditches around the location or around the perimeter of the pit in some cases.
14. The volume of the pit shall not exceed 10 acre-feet, including freeboard.
15. Temporary blow pits will be constructed to allow gravity flow to discharge into lined drill pit.
16. The lower half of the blow pit (nearest lined pit) will be lined with the same 20 milliner. The upper half of the blow pit will remain unlined as allowed in Rule 19 15 17 11 F 11.
17. Enervest will not allow freestanding liquids to remain on the unlined portion of a temporary blow pit.

**Enervest Operating, LLC
San Juan Basin
Maintenance and Operating Plan**

In accordance with Rule 19 15 17 the following monitoring describes the operation and maintenance of temporary pits on Enervest Operating, LLC locations. This is Enervest's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit which does not conform to this plan.

General Plan

1. Enervest will operate and maintain a temporary pit to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
2. Enervest will conserve drilling fluids by transferring liquids to pits ahead of the rigs whenever possible. All other drilling fluids will be disposed at Basin Disposal Inc, permit # NM-01-005
3. Enervest will not discharge or store any hazardous waste in any temporary pit.
4. If any pit liner's integrity is compromised, or if any penetration of the liner occurs above the liquid's surface, then Enervest shall notify the Aztec Division office by phone or email within 48 hours of the discovery and repair the damage or replace the liner.
5. If a leak develops below the liquid's level, Enervest shall remove all liquids above the damaged liner within 48 hours and repair the damage or replace the liner. Enervest shall notify the Aztec Division office by phone or email within 48 hours of the discovery for leaks less than 25 barrels. Enervest shall notify the Aztec Division office as required pursuant to Subsection B of 19 15 3 116 NMAC shall be reported within twenty-four (24) hours of discovery of leaks greater than 25 barrels. In addition immediate verbal notification pursuant to Subsection B, Paragraph (1), and Subparagraph (d) of 19 15 3 116 NMAC shall be reported to the division's Environmental Bureau Chief.
6. The liner shall be protected from any fluid force or mechanical damage through the use of mud pit slides, or a manifold system.
7. The pit shall be protected from run-off by constructing and maintaining diversion ditches around the location or around the perimeter of the pit in some cases.
8. Enervest shall immediately remove any visible layer of oil from the surface of the temporary pit after cessation of a drilling or workover operation. Oil absorbent booms will be utilized to contain and remove oil from the pit's surface. An oil absorbent boom will be stored on-site until closure of pit.
9. Only fluids generated during the drilling or workover process may be discharged into a temporary pit.
10. Enervest will maintain the temporary pit free of miscellaneous solid waste or debris.
11. During drilling or workover operations, Enervest will inspect the temporary pit at least once daily to ensure compliance with this plan. Inspections will be logged in the IADC reports. Enervest will file this log with the Aztec Division office upon closure of the pit.
12. After drilling or workover operations, Enervest will inspect the temporary pit weekly so long as liquids remain in the temporary pit. A log of the inspections will be stored at Enervest's office electronically and will be filed with the Aztec Division office upon closure of the pit.
13. Enervest shall maintain at least two feet of freeboard for a temporary pit.
14. Enervest shall remove all free liquids from a temporary pit within 30 days from the date the operator releases the drilling or workover rig.
15. Enervest shall remove all free liquids from a cavitation pit within 48 hours after completing cavitation. Enervest may request additional time to remove liquids from the Aztec Division office if it is not feasible to remove liquids within 48 hours.

**Enervest Operating, LLC
San Juan Basin
Closure Plan**

In accordance with Rule 19.15.17.12 NMAC the following information describes the closure requirements of temporary pits on Enervest Operating, LLC locations. This is Enervest's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit which does not conform to this plan.

All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of pit closure. Closure report will be filed on C-144 and incorporate the following:

- Details on Capping and Covering, where applicable.
- Plot Plan (Pit Diagram)
- Inspection Reports
- Sampling Results
- C-105
- Copy of Deed Notice will be filed with County Clerk

General Plan:

1. All free standing liquids will be removed at the start of the pit closure process from the pit and disposed of in a division-approved facility or recycle, reuse or reclaim the liquids in a manner that the appropriate division district office approves.
2. The preferred method of closure for all temporary pits will be on-site burial, assuming that all the criteria listed in sub-section (B) of 19.15.17.13 are met.
3. The surface owner shall be notified of Enervest proposed closure plan using a means that provides proof of notice i.e., certified mail, return receipt requested.
4. Within 6 months of the Rig Off status occurring Enervest will ensure that temporary pits are closed, re-contoured, and reseeded.
5. Notice of Closure will be given to the Aztec Division office between 72 hours and one week of closure via email, or verbally. The notification of closure will include the following:
 - i. Operator's name
 - ii. Location by Unit Letter, Section, Township, and Range.
Well name and API number.
6. Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken to remove "All" of the liner i.e., edges of liner entrenched or buried. All excessive liner will be disposed of at a licensed disposal facility.
7. Pit contents shall be mixed with non-waste containing, earthen material in order to achieve the solidification process. The solidification process will be accomplished using a combination of natural drying and mechanically mixing. Pit contents will be mixed with Non-waste, earthen material to a consistency that is deemed a safe and stable. The mixing ratio shall not exceed 3 parts clean soil to 1 part pit contents.
8. A five point composite sample will be taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the criteria are not met,

all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13 i.e., Dig and haul.

Components	Tests Method	Limit (mg/Kg)
Benzene	EPA SW-846 802 1B or 8260B	0.2
BTEX	EPA SW-846 802 1B or 8260B	50
TPH	EPA SW-846 418.1	2500
GRP/DRO	EPA SW-846 8015M	500
Chlorides	EPA 300.1	1000

9. Upon completion of Solidification and testing, the Pit area will be backfilled with compacted, non-waste containing, earthen material A minimum of four feet of cover shall be achieved and the cover shall include one loot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.
10. Re-counting of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
11. Notification will be sent to OCD when the reclaimed area is seeded.
12. Enervest shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.
13. The temporary pit will be located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial upon the abandonment of all the wells on the pad. The marker will be flush with the ground to allow access of the active well pad and for safety concerns. The marker will include a threaded collar to be used for future abandonment. The top of the marker will contain a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate will be easily removable and a four-foot tall riser will be threaded into the top of the collar marker and welded around the base with the operator's information at the time all wells on the pad are abandoned. The operator's information will include the following: Operator Name, Lease Name, Well Name and number, Unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location.

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Artec, N.M. 87410

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name BEAR CANYON UNIT			6 Well Number 6
7 OGRID No.		8 Operator Name ENERVEST OPERATING, LLC			9 Elevation 7384'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	14	26-N	2-W		350	NORTH	665	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	14	26-N	2-W		2250	SOUTH	1790	EAST	RIO ARriba

12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.	

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16

S 89°58'15" E 2633.00' (M)		SET P&C LS No. 8894		SET P&C LS No. 8894 1/2" REBAR ON CALC'D DBL PROP.	
SURFACE: LAT: 36°29'28.40908" N. (NAD 83) LONG: 107°01'34.57144" W. (NAD 83)					
FD. 2 1/2" BC. 1916 G.L.O.		14		1790'	
N 00°00'13" E 2640.48' (M)		B.H.L.		N 00°01'30" W 5283.78' (C)	
FD. 2 1/2" BC. 1916 G.L.O.		2250'		CALC'D CORNER FROM W.C. N 00°01' W-19.8'	
LAT: 36°29'01.90436" N. (NAD 83) LONG: 107°01'00.12812" W. (NAD 83)		FD. 2 1/2" BC. 1916 G.L.O.		WITNESS CORNER FD. 2 1/2" BC. 1916 G.L.O.	
		N 89°50'59" W 2632.35' (C)			

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date of Survey _____

Signature and Seal of Professional Surveyor: _____

8894

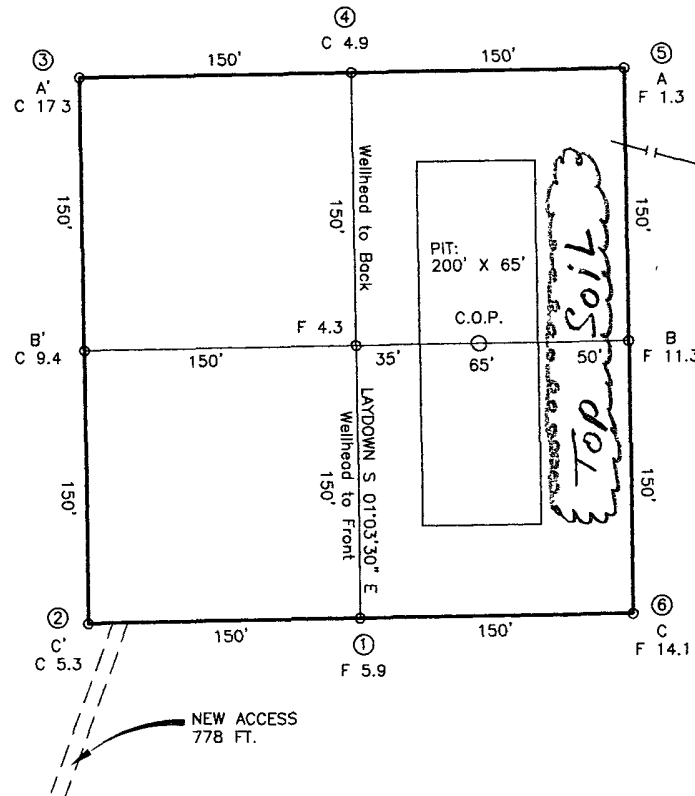
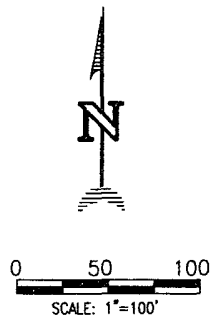
PROF. A. RUSH

REGISTERED PROFESSIONAL LAND SURVEYOR

8894

Certificate No. _____

ENERVEST OPERATING, LLC
BEAR CANYON UNIT No. 6, 350 FNL 665 FWL
SECTION 14, T-26-N, R-2-W, N.M.P.M., RIO ARriba COUNTY, N.M.
GROUND ELEVATION: 7384', DATE: JULY 9, 2008



NAD 83
 LAT. = 36.49122° N.
 LONG. = 107.02627° W.

NAD 27
 LAT. = 36°29'28.40908" N.
 LONG. = 107°01'34.57144" W.

C/L PIPELINE SURVEY

CENTER OF PIT

NAD 83
 LAT. = 36.49123° N.
 LONG. = 107.02604° W.

NAD 27
 LAT. = 36°29'28.42157" N.
 LONG. = 107°01'33.74496" W.

TOTAL PERMITTED AREA 300' X 300' = 2.07 ACRES
 TOTAL NEW DISTURBANCE 300' X 300' = 2.07 ACRES
 TEMP. USE AREA = 0.00 ACRES
 EXISTING DISTURBED AREA = 0.00 ACRES
 TOTAL NEW PIPELINE AREA = 6.59 ACRES
 TOTAL NEW ACCESS AREA = 0.36 ACRES


NOTES:

1) ESTIMATED VOLUMES CALCULATED BY AVERAGE END AREA AT CROSS SECTION SHOWN.

2) RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE). BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

NOTE:

DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL UTILITY NOTIFICATION CENTER OF NEW MEXICO TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

REVISION	DATE	REVISED BY:
PAD ROTATED	7/11/08	G.V.
 Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 510 · Farmington, NM 87499 Phone (505) 326-1772 · Fax (505) 326-6019 NEW MEXICO LS. 8894		
DRAWN BY: B.K.	CADFILE: EV002_PL8	
ROW#: EV002	DATE: 06/06/08	

ENERVEST OPERATING, LLC

BEAR CANYON UNIT No. 6: 350 FNL 665 FWL

SECTION 14, T-26-N, R-2-W, N.M.P.M., RIO ARriba COUNTY, N.M.

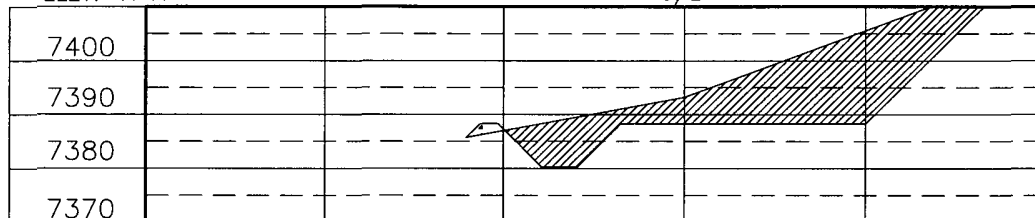
GROUND ELEVATION: 7384', DATE: JULY 9, 2008

NAD 83
LAT. = 36.49122° N.
LONG. = 107.02627° W.

NAD 27
LAT. = 36°29'28.40908" N.
LONG. = 107°01'34.57144" W.

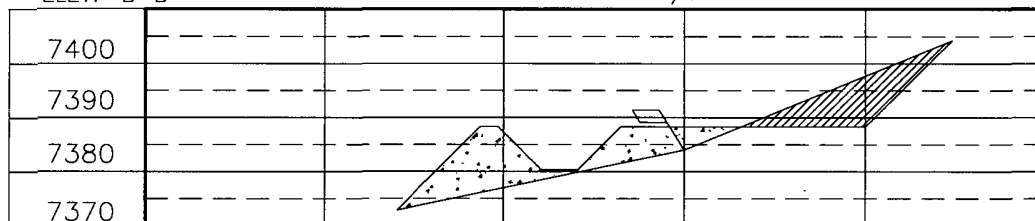
ELEV. A-A'

C/L



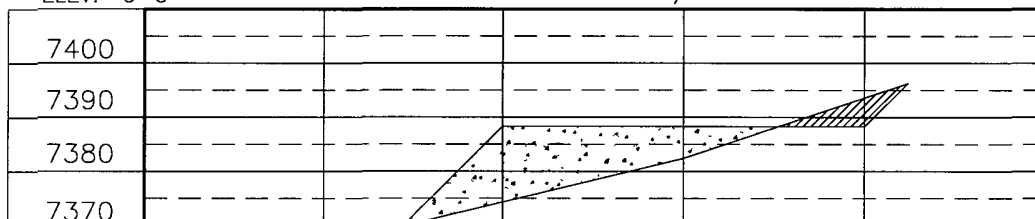
ELEV. B-B'

C/L



ELEV. C-C'


C/L



NOTE:

DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL UTILITY NOTIFICATION CENTER OF NEW MEXICO TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

REVISION	DATE	REVISED BY
PAD ROTATED	7/11/08	G V



Daggett Enterprises, Inc.
Surveying and Oil Field Services
P. O. Box 510 • Farmington, NM 87499
Phone (505) 326-1772 • Fax (505) 326-6019
NEW MEXICO L.S. No. 8894

DRAWN BY: B K.	CADFILE: EV002_CF8
ROW#: EV002	DATE: 06/06/08

Hydrogeologic Report for the Bear Canyon Unit 6- Well Enervest Operating, LLC

Regional Hydrogeological Context

The surficial geology of the proposed Bear Canyon Unit 6-14 well location is the San Jose. The San Jose of Eocene age occurs in New Mexico and Colorado. This formation outcrops comprises much of the eastern half of the central San Juan Basin. The San Jose Formation overlays the Nacimiento Formation in New Mexico and the Animas Formation in Colorado. The San Jose Formation was deposited in various fluvial type environments. These Tertiary deposits consist of interbedded layers of sandstone, siltstone, shale, and conglomerate. Thickness of the San Jose Formation generally increases from west to east, with a thickness 200 feet in west and south to almost 2,700 feet in the structural center of the basin. Tertiary sediments are exposed in the canyons that trend northwest toward the San Juan River. The San Jose erodes as irregular ledges and slopes. The surface water drainage network has created arroyos, washes, and canyons that are typically narrow and widely spaced (USDA 2007).

Colorado Plateau aquifers underlie an area of approximately 110,000 square miles in western Colorado, northwestern New Mexico, northeastern Arizona and eastern Utah. The distribution of these aquifers is largely controlled by structural deformation. The principle aquifers interconnect across the plateau and are present within the San Juan, Unita, and Piceance basins.

The Unita-Animas Aquifer is widespread across the Colorado Plateau and is the main aquifer within the Bear Canyon Unit. Sedimentary rocks in this aquifer are Lower Tertiary Sandstone and Upper Cretaceous Sands. The Unita-Animas Aquifer in the San Juan Basin of northwestern New Mexico consists of the San Jose Formation, the underlying Nacimiento Formation, and Ojo Alamo Sandstone. The Nacimiento Formation and Ojo Alamo Sandstone are primarily permeable conglomerates and sandstones interbedded with less permeable shale and mudstone. The thickness of the aquifer, approximately 3,500 feet, increases towards the center of the San Juan Basin. The occurrence of ground water is mainly controlled by the distribution of sandstone in the formations. Sandstone distribution is the result of original depositional extent plus any post-depositional modifications such as erosion and structural deformations.

Recharge of the Unita-Animas aquifer in the San Juan Basin originates from the northeastern portion of the basin in Colorado where the aquifer formations are shallower and receive precipitation and surface water through infiltration. The aquifers beneath the Unita-Animas Aquifer are the Mesa Verde, Dakota-Glen Canyon, and the Coconino-DeChelly aquifers.

The Unita-Animas Aquifer contains fresh to moderately saline water. Dissolved solids concentrations generally increase along the groundwater flow path. Ground water quality is generally fair to poor. In most places, the total dissolved solids content exceeds 1,000 mg/L and can range from 500 to 4,000 mg/L. Water is hard to very hard with the actual chemical composition dependent upon the location. Calcium or sodium is the predominate cation, and bicarbonate or sulfate the predominate anion. Ground water yields are generally less than 20 gallons per minute (USGS 2001).

Specific conductance of water from the San Jose Formation ranges from 320 to 5,000 μ mhos, averaging 2,000 μ mhos (Stone 1983). Transmissivity data for the San Jose Formation is minimal. Brimhall (1973) reported a specific capacity of 0.23 gallons per minute/foot for the Cube Member of the San Jose Formation. Stone et al (1983) reported values of 40 to 120 feet squared per day from two (2) aquifer tests. The reported discharge from 46 water wells completed in the San Jose Formation ranged from 0.15 to 61 gallons per minute, with a mean of five (5) gallons per minute. Most of these wells produce water for domestic and livestock use (Stone 1983).

The San Jose Formation is a very suitable unit for recharge from precipitation due to the sandy, high permeable soils that readily absorb precipitation. However, the low annual precipitation, relatively high transportation rates, and deep dissections of the San Jose Formation within the Bear Canyon Unit local, all tend to reduce the recharge effectiveness from precipitation.

Site Specific Information

Surface Hydrology: The proposed Bear Canyon Unit 6-14 well is located approximately 3.5 miles north, northwest of the Continental Divide. The well location is on a moderate east-facing piñon-juniper slope. Numerous shallow, intermittent drainages traverse the well pad area. They drain to the east into a tributary of Bear Canyon, approximately 1,000 feet to the southeast. Bear Canyon flows to the north into the upper reaches of Tapicito Creek (Canyon), approximately two (2) miles to the north, northwest of the proposed well location.

First Water Bearing Formation: San Jose, Tertiary

Formation Thickness: Approximately 2,700 feet

Underlying Formation: Nacimiento, Tertiary

Estimated Depth to Ground Water: The closest water wells are approximately 4,300 feet to the east (SJ-3489) and approximately 4,400 feet to the northwest (SJ-00419). The well to the east was proposed to be drilled to a 600-foot depth. No Driller's Well Record is on file with the New Mexico Office of the State Engineer. However, the water well owner states that depth to water is 128 feet in this well. The well to the northwest was originally completed as an oil and gas well. It was plugged-back to 2,500 feet as a water well in 1997. Water depth in this well is unknown. A third water well is listed in the Office of the State Engineer's database (iWaters) in T. 26N., R. 02W. Section 22 SE¼SE¼NW¼. The depth to water in this well is listed at 15 feet. However, this well was drilled in 1957 and given its topographic location this water depth is questionable. No other water well depths within Township 26 North, Range 02 West are listed as shallower than 150 feet. Therefore, water depth in the proposed Bear Canyon 6-14 well location is estimated at greater than 100 feet.

Stockpiled top soil will be on the east side of the well pad. This excavated topsoil material will not be within 300 feet of a flowing water course or within 200 feet of any other watercourse.

References

Allen, Erin. Undated. Colorado Plateau Aquifers. <http://www.stgeorgeutahrentals.com/zion-national-park.html>

Brimhall, R.M. 1973. Ground Water Hydrology of Tertiary Rocks of the San Juan Basin, New Mexico: Four Corners Geological Society.

Personal Communications with Mr. Steve Stevenson. July 2008. Water well owner (SF-3489).

Stone, W.J., Lyford, F.P., Frenzel, P.F., Mizell, N.H., and Padgett, E.T. 1983. Hydrogeology and Water Resources of San Juan Basin, New Mexico: New Mexico Bureau of Mines and Mineral Resources Hydrologic Report 6.

U.S. Department of Agriculture, Forest Service. 2007. Draft Environmental Impact Statement for Surface Management of Gas Leasing and Development. Jicarilla Ranger District, Carson National Forest, Rio Arriba County, New Mexico.

U.S. Department of the Interior. Bureau of Land Management. 2003. Final Farmington Resource Management Plan and Final Environmental Impact Statement. Farmington Field Office. Farmington, New Mexico.

U. S. Geological Survey. 2001. Ground Water Atlas of the United States: Arizona, Colorado, New Mexico and Utah, USGS Publication HA 730-C; <http://capp.water.usgs.gov>

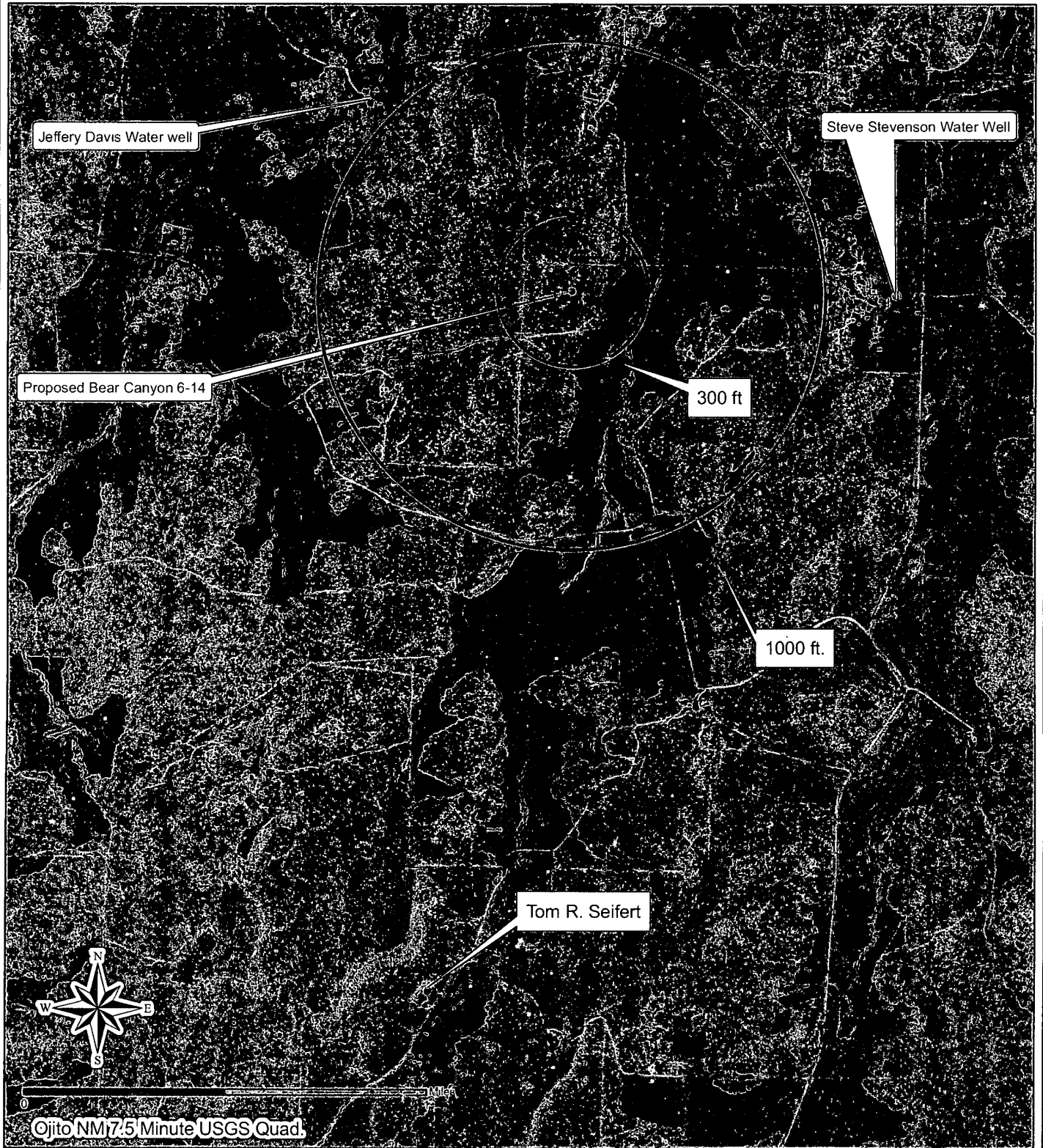
FEMA Map - 100 Year Floodplain

The FEMA map for the proposed Bear Canyon Unit 6-14 (Number 350049 0575 B) does not show any 100-year floodplains within the project area. The proposed well location is located approximately 1,000 feet northwest of a tributary to Bear Canyon. The proposed location is not near a wash or watercourse, and is not in a 100-year floodplain as visible on the USGS Ojitos 7.5 Minute Quadrangle.

Siting Criteria Compliance Demonstrations

The proposed Bear Canyon Unit 6-14 well is not located on an unstable area. The well location is not located over a mine, or on a steep hillside. The location of the proposed temporary pit will not be within 300 feet of any continuously flowing watercourse or within 200 feet of any other watercourse, lakebed, sinkhole, or playa lake. The location of the proposed temporary pit will not be within 300 feet of any permanent residence, school, hospital, institution or church. The location of the proposed temporary pit will not be within 500 feet of any private, domestic fresh water well or spring, or within 1,000 feet of any other fresh water well or spring. The location of the proposed temporary pit will not be within any incorporated municipal boundaries or within any defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. The location of the proposed temporary pit will not be within 500 feet of a wetland. Please refer to the attached siting criteria maps for demonstration of compliance with the above listed conditions.

Siting Criteria Map I
Existing Known Water Wells and Springs
EnerVest Operating, LLC
Proposed Bear Canyon Unit No. 6
T26N, R02W, Section 14, NMPM
Rio Arriba County, New Mexico



Siting Criteria Map II
Topographic Features
EnerVest Operating, LLC
Proposed Bear Canyon Unit No. 6
T26N, R02W, Section 14, NMPM
Rio Arriba County, New Mexico





Nelson Consulting, Inc.

Environmental, Compliance, and GIS Services

July 29, 2008

Certified Return Receipt Requested

Mr. Steve Stevenson
HC 74
Lindrith, New Mexico 87029

RE: Enervest Operating, LLC
Bear Canyon 6-14 Well

Dear Mr. Stevenson:

This letter is in reference to Enervest Operating, LLC proposed Bear Canyon 6-14 well. As an agent for Enervest, we are completing the C-144 Pit Application form for submittal to New Mexico Oil Conservation Division. Part of this application requires specific notification to the landowner concerning disposal of pit waste materials.

For the proposed Bear Canyon 6-14 well, all pit waste materials will be buried in place on the proposed well pad, in compliance with all NMOCD rules and regulations. Please consider this your notification for on-site pit waste burial. If you have any questions please give me a call at (970) 799-3684 or (505) 327-6331 ext. 108. Thank you.

Sincerely,

/s/ Lyse K. Gold

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
<i>(Domestic Mail Only; No Insurance Coverage Provided)</i>	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 1.42
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$5.32
Postmark Here	
Sent To <i>Steve Stevenson</i>	
Street, Apt. No., or PO Box No.	
City, State, ZIP+4	
<i>Lindrith NM</i>	
PS Form 3800, June 2002 See Reverse for Instructions	

ting, LLC

Phone (505) 327-6331
Fax (505) 327-6332

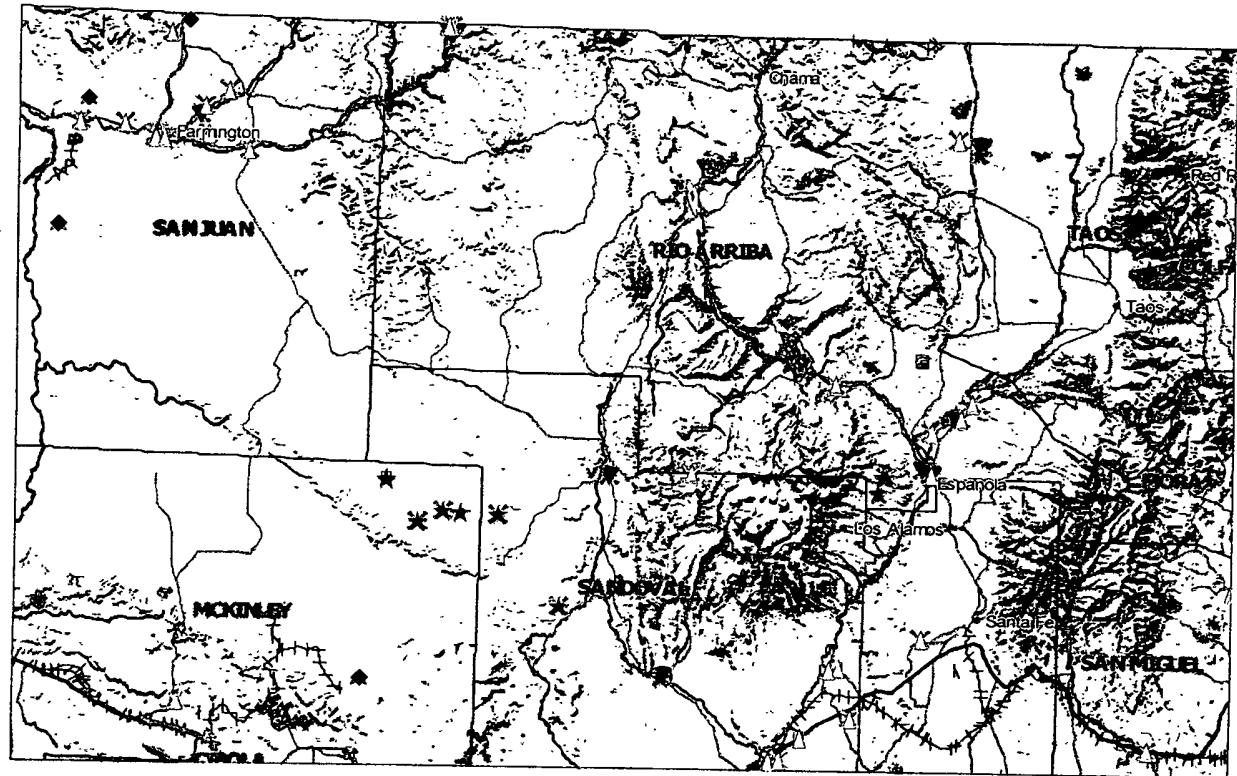
Phone (970) 375-9703
Fax (970) 247-0941

MMQonline Public Version

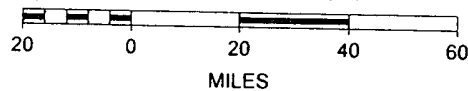
Mines, Mills & Quarries Commodity Groups

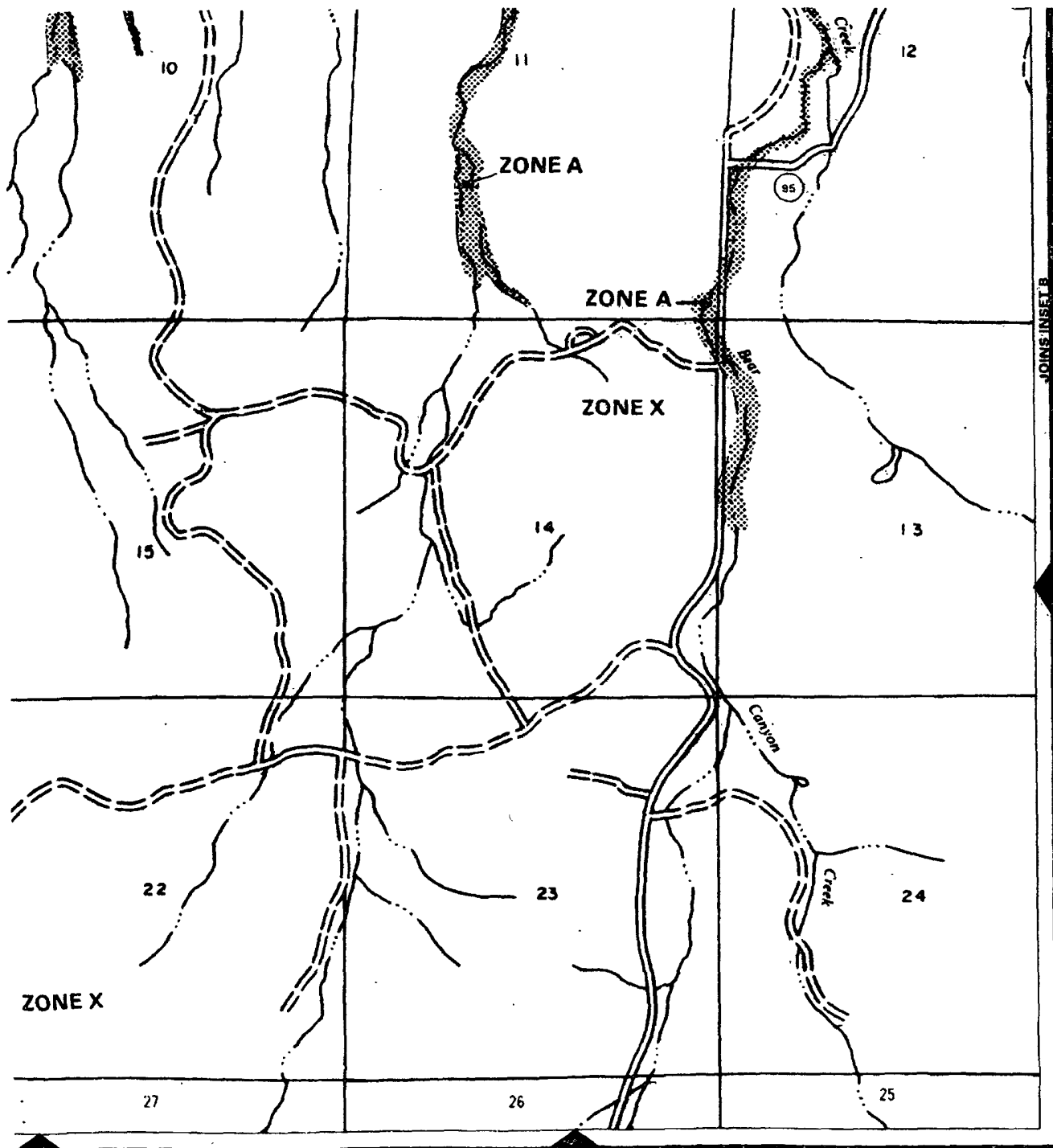
- △ Aggregate & Stone Mines
- ◆ Coal Mines
- ★ Industrial Minerals Mines
- ▼ Industrial Minerals Mills
- Metal Mines and Mill Concentrate
- Potash Mines & Refineries
- ⌒ Smelters & Refinery Ops.
- ✱ Uranium Mines
- ⊙ Uranium Mills

Population



SCALE 1 : 2,203,053





T. 26 N., R. 02 W., NM PM

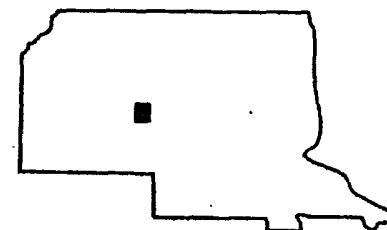
NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

**RIO ARRIBA COUNTY,
NEW MEXICO
UNINCORPORATED AREAS**

PANEL 575 OF 1325

(SEE MAP INDEX FOR PANELS NOT PRINTED)



PANEL LOCATION

COMMUNITY-PANEL NUMBER

350049 0575 B

EFFECTIVE DATE:

JANUARY 5, 1989



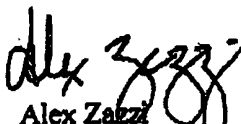
Federal Emergency Management Agency

Enervest Operating LLC
1001 Fannin St, Suite 800
Houston, Texas
77002

Mr. Steve Stevenson,

The requirements of the new OCD pit rule states that for all temporary pits, the ground water must be more than 100 ft deep. The water well near your home is located east of our location, the Bear Canyon Well #6-14. Please advise on the depth of your water well so that we can comply on the OCD temporary pit rule.

Thank you,



Alex Zaazi
Drilling Engineer
Enervest Operating, LLC
Fax: 713-615-1462

my well is 128'

Thank you



7-16-08

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 26N Range: 02W Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☒ All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

iWATERS Menu

Help

WATER COLUMN REPORT 07/10/2008

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

(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water (in feet) Column
SJ 02963	26N	02W	02	3	3	2				1300		
SJ 03102	26N	02W	04	1	4	1				630	210	420
SJ 02842	26N	02W	10	4	1	1				7603		
SJ 02889	26N	02W	12	3	3					7658		
SJ 03489	26N	02W	14	2	2	2				600		
SJ 02449	26N	02W	21	4	1	4				605	350	255
SJ 02101	26N	02W	22	1	4	4				600	150	450
SJ 03425	26N	02W	22	4	1	4				1500		
SJ 00419	26N	02W	22	4	4	1				160	15	145
SJ 02964	26N	02W	23	1	2	2				342	150	192
SJ 02905	26N	02W	24	3	3	3				500	180	320

Record Count: 11

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 26N Range: 02W Sections:

NAD27 X: Y: Zone:  Search Radius:County:  Basin:  Number: Suffix:Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☒ All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

iWATERS Menu

Help

AVERAGE DEPTH OF WATER REPORT 07/10/2008

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
SJ	26N	02W	04				1	210	210	210
SJ	26N	02W	21				1	350	350	350
SJ	26N	02W	22				2	15	150	83
SJ	26N	02W	23				1	150	150	150
SJ	26N	02W	24				1	180	180	180

Record Count: 6

New Mexico Office of the State Engineer
Point of Diversion Summary

Back

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

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y
SJ 02101	26N	02W	22	1	4	4			

Driller Licence: 733 MO-TE DRILLING, INC.

Driller Name:

Source: Shallow

Drill Start Date: 10/27/1986

Drill Finish Date: 10/30/1986

Log File Date: 11/10/1986

PCW Received Date:

Pump Type:

Pipe Discharge Size:

Casing Size: 7

Estimated Yield:

Depth Well: 600

Depth Water: 150

Water Bearing Stratifications:	Top	Bottom	Description
	135	150	Sandstone/Gravel/Conglomerate
	165	175	Sandstone/Gravel/Conglomerate
	180	203	Sandstone/Gravel/Conglomerate
	425	430	Sandstone/Gravel/Conglomerate
Casing Perforations:	Top	Bottom	
	200	220	
	400	426	
	480	500	
	580	600	

**New Mexico Office of the State Engineer
Point of Diversion Summary**

Back

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

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y
SJ 03102	26N	02W	04	1	4	1			

Driller Licence: 1111 STEVENSON, STEVE L.

Driller Name: STEVENSON

Source: Shallow

Drill Start Date: 08/20/2001

Drill Finish Date: 08/30/2001

Log File Date: 03/13/2003

PCW Received Date:

Pump Type:

Pipe Discharge Size:

Casing Size: 5

Estimated Yield: 5

Depth Well: 630

Depth Water: 210

Water Bearing Stratifications:	Top	Bottom	Description
	190	233	Sandstone/Gravel/Conglomerate
	256	290	Sandstone/Gravel/Conglomerate
	310	323	Sandstone/Gravel/Conglomerate
	390	415	Sandstone/Gravel/Conglomerate
	595	610	Sandstone/Gravel/Conglomerate
Casing Perforations:	Top	Bottom	
	240	260	
	360	400	
	590	610	

**New Mexico Office of the State Engineer
Point of Diversion Summary**

Back

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

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y
SJ 02964	26N	02W	23	1	2	2			

Driller Licence: 1111 STEVENSON, STEVE L.

Driller Name: STEVENSON EXCAVATION

Source: Shallow

Drill Start Date: 11/04/1999

Drill Finish Date: 11/07/1999

Log File Date: 11/12/1999

PCW Received Date:

Pump Type:

Pipe Discharge Size:

Casing Size: 5

Estimated Yield: 10

Depth Well: 342

Depth Water: 150

Casing Perforations:	Top	Bottom
	312	332

New Mexico Office of the State Engineer
Point of Diversion Summary

Back

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

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y
SJ 00419	26N	02W	22	4	4	1			

Driller Licence:

Driller Name: R&G DRILLING

Drill Start Date:

Log File Date:

Pump Type: SUBMER

Casing Size:

Depth Well: 160

Source: Shallow

Drill Finish Date: 08/31/1957

PCW Received Date:

Pipe Discharge Size:

Estimated Yield:

Depth Water: 15