AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.

App Number: pCS1705256681

144B - 15843

BEELINE GAS SYSTEMS

2/21/2017

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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
Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

OIL CONS. DIV DIST. 3
FEB 08 2017

15843

Type of action:
- [x] Below grade tank registration
- [ ] Permit of a pit or proposed alternative method
- [ ] Closure of a pit, below-grade tank, or proposed alternative method
- [ ] Modification to an existing permit/registration
- [ ] Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Elm Ridge Expl. Co. LLC, d.b.a. Beeline Gas Systems OGRID #: 194503
Address: 2001 E Blanco Blvd, Bloomfield, NM 87413
Facility or well name: Buena Suerte Compressor Station - New Below Grade Tank
API Number: _____ OCD Permit Number: _____
U/L or Qtr/Qtr J Section 32 Township 26N Range 11W County: San Juan
Center of Proposed Design: Latitude 36° 26.4720' Longitude 108° 1.4586' NAD: [ ] 1927 [x] 1983
Surface Owner: [ ] Federal [x] State [ ] Private [ ] Tribal Trust or Indian Allotment 36.4412 -108.02431 OCD / NAD83

2.
[ ] **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: [ ] Drilling [ ] Workover
[ ] Permanent [ ] Emergency [ ] Cavitation [ ] P&A [ ] Multi-
[ ] Lined [ ] Unlined Liner type: Thickness _____ mil [
[ ] String-Reinforced
Liner Seams: [ ] Welded [ ] Factory [ ] Other _____ Volume: _____ bbl Dimensions: L_____ x W_____ x D_____

DENIED *Followed up with operator with Corrections
BY: Cory Smith
DATE: 2/21/17 (505) 334-6178 Ext. 115

ling Fluid [ ] yes [ ] no
_____

3.
[x] **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: 85 bbl Type of fluid: Compressed liquids (H_2O+HC), skid drain liquid
Tank Construction material: welded steel
[x] Secondary containment with leak detection [x] Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
[ ] Visible sidewalls and liner [ ] Visible sidewalls only [ ] Other _____
Liner type: Thickness 40 mil [ ] HDPE [ ] PVC [x] Other Rufco 4000B String Reinforced LLDPE

4.
[ ] **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.
Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*
[ ] Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*
[ ] Four foot height, four strands of barbed wire evenly spaced between one and four feet
[x] Alternate. Please specify Facility is totally surrounded by a 6' Pro Panel Fence

43

6.
Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.
Signs: Subsection C of 19.15.17.11 NMAC

☒ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers facility sign complies with these minimums

☐ Signed in compliance with 19.15.16.8 NMAC

8.
Variances 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:

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.
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. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting

Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. ☐ Yes ☒ No ☐ NA
- ☒ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells

Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. ☐ Yes ☐ No ☒ NA
NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

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. **(Does not apply to below grade tanks)** ☐ Yes ☐ No
- Written confirmation or verification from the municipality; Written approval obtained from the municipality

Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** ☐ Yes ☐ No
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

Within an unstable area. **(Does not apply to below grade tanks)** ☐ Yes ☐ No
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

Within a 100-year floodplain. **(Does not apply to below grade tanks)** ☐ Yes ☐ No
- FEMA map

Below Grade Tanks

Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). ☐ Yes ☒ No
- Topographic map; Visual inspection (certification) of the proposed site

Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption; ☐ Yes ☒ No
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)

Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) ☐ Yes ☐ No
- Topographic map; Visual inspection (certification) of the proposed site

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. ☐ Yes ☐ No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. ☐ Yes ☐ No
NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any 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 spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
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 1000 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 spring or a fresh water well used for domestic or stock watering purposes, 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 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

10.

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

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

☒ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

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

11.

Multi-Well Fluid Management Pit 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.

☐ 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
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ 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
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

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

12.
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_2S, 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

13.
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 ☐ Multi-well Fluid Management Pit ☐ 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

14.
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 C of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) N/A
- ☒ 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 H of 19.15.17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.
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 require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 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 25-50 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 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 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, 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 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, 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
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; 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 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

16.
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 E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K 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 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements 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 H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.
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): Allen Lain Title: Operations Manager

Signature: Allen Lain Date: February 7, 2017

e-mail address: alain@elmridge.net Telephone: 505-634-1146 Ext 4

18.
OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: DENIED **Approval Date:** —

Title: — **OCD Permit Number:** 15843

19.
Closure Report (required within 60 days of closure completion): 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:** _____

20.
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.

21.
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 for private land only)
- ☐ 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

22.

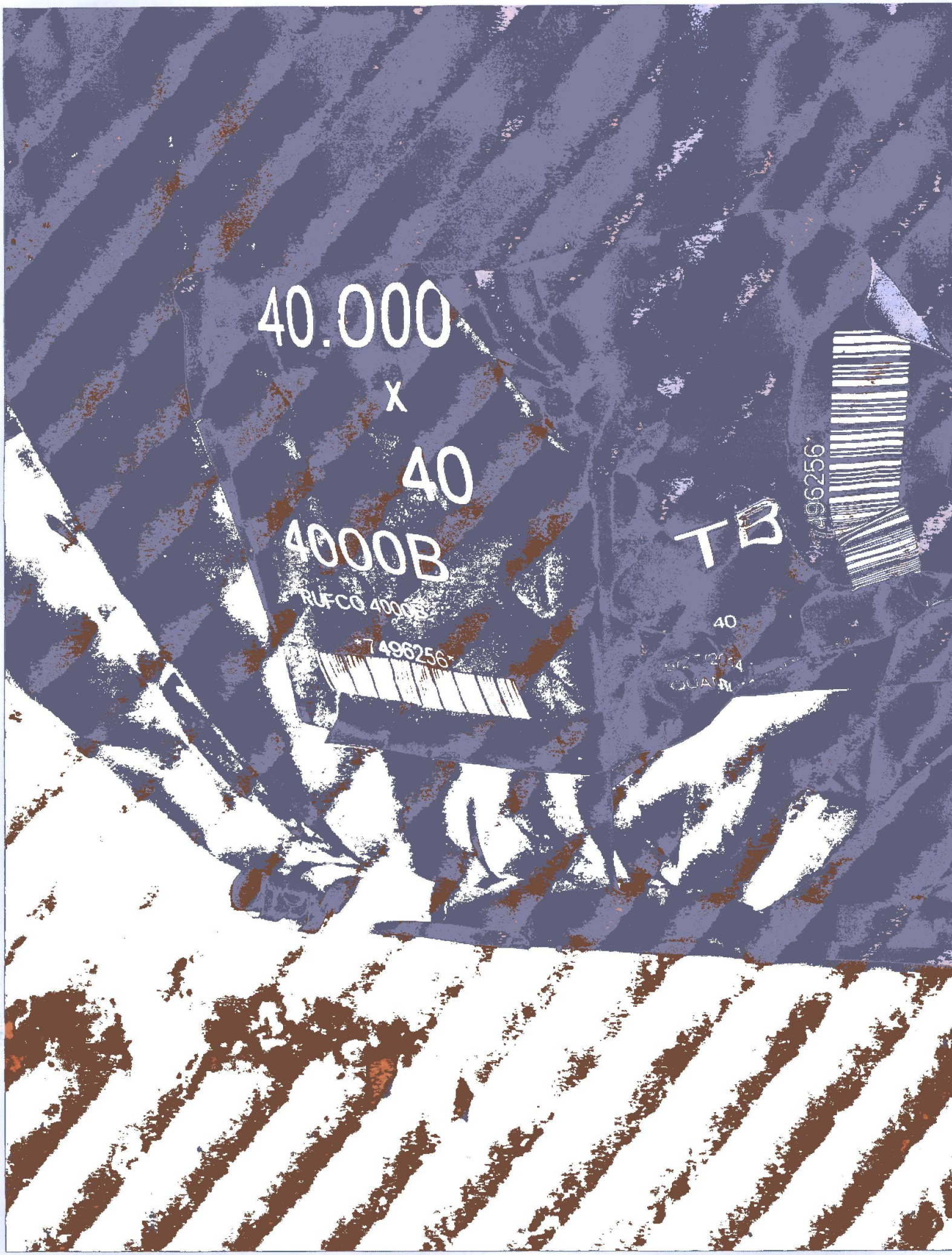
Operator Closure Certification:

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: _____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4000B
RUFCO 4000B
7496256
TB
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RUFCO® 2000B, 3000B & 4000B

PRODUCT DESCRIPTION

RUFCO 2000B, 3000B and 4000B are mono-layer membranes consisting of a very flexible, linear low-density polyethylene (LLDPE). LLDPE provides high elongation, tremendous tear resistance and bursting strength. A minimum carbon black content of 2.0% provides excellent protection from UV rays and harsh weather conditions. They do not contain plasticizers which can migrate to the surface, causing premature aging. Manufactured from virgin resins, **RUFCO 2000B, 3000B and 4000B** are designed to provide a high quality yet economical geomembrane.

PRODUCT USE

RUFCO 2000B, 3000B and 4000B are used in applications that require excellent outdoor longevity and chemical resistance. These are very flexible materials that will conform to almost any surface. Rufco 3000B meets or exceeds ASTM E-1745, Class "A" standard as an underslab vapor retarder.

SIZE & PACKAGING

RUFCO 2000B is available in 50,000 square foot panels and **RUFCO 3000B** in up to 33,000 square foot panels. **RUFCO 4000B** is available in up to 25,000 square foot panels. All panels are accordion folded every 5 feet, and tightly rolled onto a heavy duty core for ease of handling and time saving installation.

PRODUCT	PART NUMBER
RUFCO 2000B	2000B
RUFCO 3000B	3000B
RUFCO 4000B	4000B

COMMON APPLICATIONS

- Decorative Ponds
- Pond/Canal Liners
- Outdoor Covers
- Fire Ponds
- Remediation Liners
- Cargo Covers
- Vapor Retarders
- Brine Ponds
- Oil Field Pit Liners
- Silage Covers
- Mine Tailing Ponds
- Interim Landfill Caps
- Waste Water Ponds
- Golf Course Pond Liners
- Farm Ponds
- Leachate Collection Ponds

Holding Pond

Large Factory Welded Panel

RAVEN INDUSTRIES
Flexible Films Department

Rufco®

RUFCO® 2000B, 3000B & 4000B

Properties	Test Method	RUFCO 2000B		RUFCO 3000B		RUFCO 4000B	
		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages
Thickness mils (mm)	ASTM D 5199	20.0 (0.50)	21.0 (0.53)	30.0 (0.75)	31.2 (0.78)	40.0 (1.00)	41.5 (1.04)
Density g/cm³	ASTM D792 or ASTM D1505	0.920		0.920		0.920	
Minimum Tensile lbf/in.width (N/mm width)	ASTM D638 1. Tensile Strength at Break 2. % Elongation at Break	76 (13) 800	95 (17) 875	114 (20) 800	135 (24) 875	152 (27) 800	175 (21) 875
Hydrostatic Resistance psi (kPa)	ASTM D751	118 (814)	122 (841)	175 (1206)	180 (1241)	230 (1586)	250 (1724)
Puncture Resistance lbf (N)	ASTM D4833	30 (130)	39 (173)	45 (200)	52 (231)	60 (270)	65 (289)
Tear Resistance lbf (N)	ASTM D1004	11 (49)	13 (58)	16 (71)	19 (85)	22 (98)	26 (116)
Volatile Loss Method A	ASTM 1203		<1%		<1%		<1%
Resistance to Soil Burial (% change maximum in original value)	ASTM D3083 1. Tensile Strength at Yield 2. Tensile Strength at Break 3. Elongation at Yield 4. Elongation at Break 5. Modulus of Elasticity		±10%		±10%		±10%
Low Temp, Impact Failure Temp F (C)	ASTM D746		< -94 (< -70)		< -94 (< -70)		< -94 (< -70)
Dimensional Stability % Change	ASTM D1204		< 2		< 2		< 2
Environmental Stress Crack Resistance Hours to failure	ASTM D5397 Appendix A		> 400		> 400		> 400
Carbon Black %	ASTM D1603 or D4218	2.0	2.5	2.0	2.5	2.0	2.5
Perms grains/ft²/hr/in. Hg (grams/m²/day/mm Hg)	ASTM E96 Method A 73° F, 50% RH		0.045 (0.030)		0.029 (0.019)		0.022 (0.014)
FACTORY SEAM REQUIREMENTS							
Bonded Seam Strength lbf/in. width (N/cm width)	ASTM D4545 Mod.*	40 (70)	45 (79)	60 (105)	68 (119)	75 (131)	80 (140)
Seam Peel Adhesion lbf/in. width (N/cm width)	ASTM D4545 Mod.*	30 (53)	36 (63)	45 (79)	53 (93)	60 (105)	69 (121)

Nominal Weight /Thousand Square Feet: RUFCO 2000B - 105 lbs., RUFCO 3000B - 157 lbs., RUFCO 4000B - 210 lbs.

* Raven Industries performs seam testing at 12" per minute.

Rufco 3000B meets or exceeds ASTM E-1745, Class "A" standard for water vapor retarders used in contact with soil or granular fill under concrete slabs.

Note: To the best of our knowledge, these are typical property values and are intended as guides only, not as specification limits. RAVEN INDUSTRIES 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.

RAVEN INDUSTRIES
Flexible Films Department

PLANT LOCATIONS

Sioux Falls, South Dakota
Springfield, Ohio

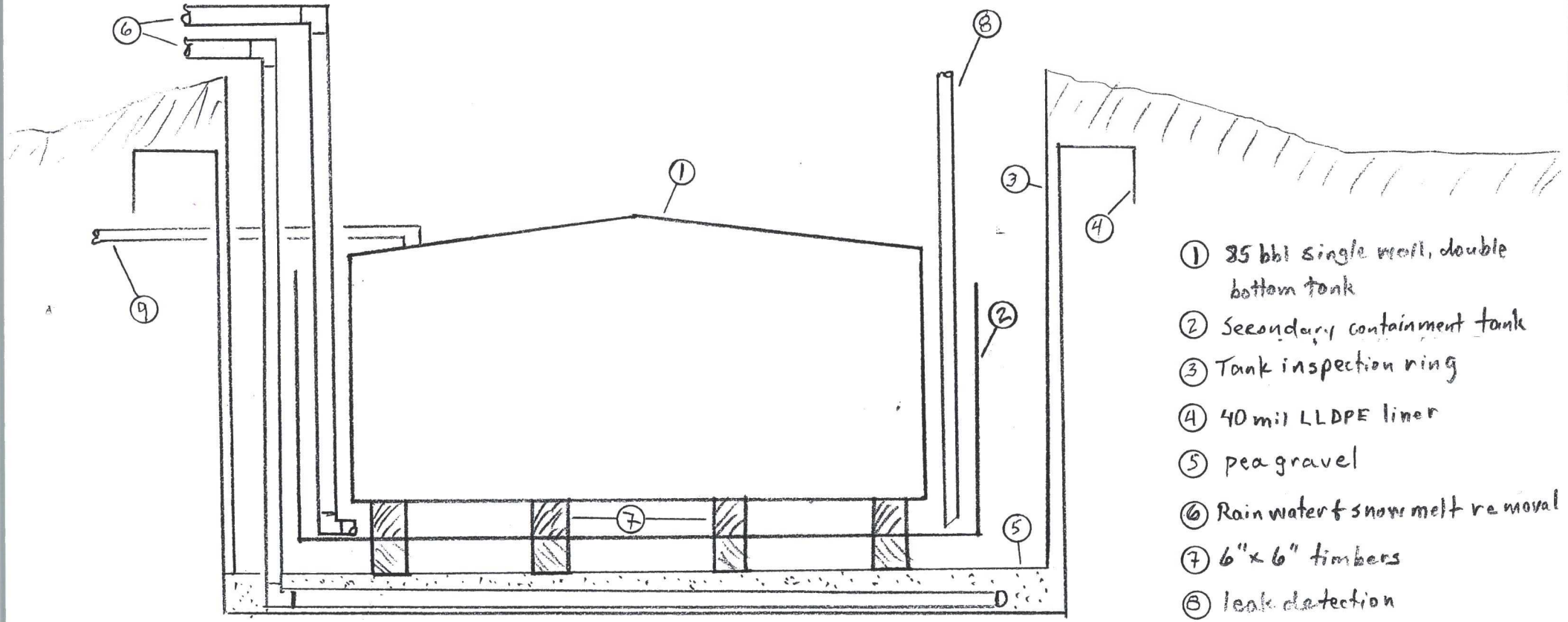
www.rufco.com

SALES OFFICE

P.O. Box 5107
Sioux Falls, SD 57117-5107
(605) 335-0174
(605) 331-0333 - FAX
800-635-3456

3/03 EFD 1078

Beeline Gas Systems
Buena Suerte Compressor Station
New Below Grade Tank Design



1. 85 bbl single wall, double bottom tank
2. Secondary containment tank
3. Tank inspection ring
4. 40 mil LLDPE liner
5. pea gravel
6. Rain water & snow melt removal
7. 6" x 6" timbers
8. leak detection
9. inlet

2/7/17 AL

Operation and Closure Plan

FOR THE:

BUENA SUERTE COMPRESSOR STATION

New Below Grade Tank

ELM RIDGE EXPLORATION LLC DBA BEELINE GAS SYSTEMS
2001 E. BLANCO BLVD
P.O BOX 1280
BLOOMFIELD NM, 87413

CONTACT: ALLEN LAIN, OPERATIONS MANAGER
TELEPHONE (505) 634-1144

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APPENDICES:

Appendix A – Location Map
Appendix B – Topographic Map
Appendix C – Facility Diagram
Appendix D – Annual Facility Inspection Report

1.0 FACILITY OWNER AND OPERATOR

1.1 Site Information

Name of the Facility:	Buena Suerte Compressor Station
Type:	Natural Gas Compressor Station
Date of Initial Operation:	July 29, 2004
Location:	NW/4 of SE/4 of Sec 32, Township 26 North, Range 11 West, San Juan County, NM. Approximately 20.0 miles south of Bloomfield, NM
Owner of the Facility:	Elm Ridge Exploration LLC DBA Beeline Gas Systems 2001 E. Blanco Blvd. P.O Box 1280 Bloomfield NM, 87413
Manager of the Facility:	Allen Lain Operations Manager 2001 E. Blanco Blvd. P.O. Box 1280 Bloomfield, NM 87413 Phone: (505) 634-1144
Landowner Information	New Mexico Commissioner of Public Lands P.O. Box 1148, Santa Fe, NM 87504-1148

1.2 Contact Information

The following personnel are the initial contacts in the event of a facility spill or emergency.

Name	Title	Telephone	Address
Bobby Walker	Pipeline Operations Foreman Beeline Gas Systems	(505) 320-3980	2001 E. Blanco Blvd. Bloomfield, NM 87413
~~Mark Perry~~	~~Measurement & Corrosion Specialist~~ ~~Beeline Gas Systems~~	~~(505) 330-6478~~	~~2001 E. Blanco Blvd.~~ ~~Bloomfield, NM 87413~~
Allen Lain	Operations Manager Beeline Gas Systems	(505) 486-0260	2001 E. Blanco Blvd. Bloomfield, NM 87413

The Bloomfield Office (24 hour number with answering service): (877) 634-1144

2.0 GENERAL FACILITY INFORMATION

2.1 Facility Layout Diagram

Appendix A is a location map for the facility relative to roads, and inhabited areas. Appendix B is a copy of the USGS topographic map showing the site topography. Appendix C includes a facility diagram that shows the compressors, drainage direction, and storage containers. The diagram shows the relative location, capacity, and contents of storage containers.

2.2 Facility Location and Operations

Beeline Gas Systems owns and operates the Buena Suerte Compressor Station, which is located approximately 20 miles south of Bloomfield, New Mexico, in a remote and rural area of San Juan County New Mexico. The facility is unmanned and secured with a 6-foot tall Pro Panel fence and a locked gate.

The Buena Suerte Compressor Station is the central facility for the collection of natural gas from the Buena Suerte Gas Field. The compressor station is site rated for 2019 HP. Processes at the compressor station include gas dehydration; inlet separation; gas compression; used engine slop oil collection and gas volume measurement. Small volumes of engine lube oil, triethylene glycol, and ethylene glycol are stored in above ground tanks. Contract services are used to deliver lube oil and to remove used oil from the facility, using conventional transport trucks.

The compressor station is constructed on a 1.31-acre tract in San Juan County, New Mexico, approximately 20 miles south of Bloomfield, New Mexico. Access to the site from US550 is via 7.0 miles of paved road and 1.5 miles of dirt/gravel oil and gas field roads. The approximate Lat/Long coordinates of the site are 36.44140 N 108.02421 W. The station is found at an elevation of approximately 6270 feet above mean sea level in an area vegetated with desert scrub. The Lat/Long coordinates and the elevation were determined using a hand held GPS unit

2.3 Facility Storage

The following liquid hydrocarbon materials are stored at the facility:

Container	Volume	Contents	State
Comp. Oil Tank	500 gallons	New Lube Oil	Liquid
Comp. Oil Tank	500 gallons	New Lube Oil	Liquid
Comp. Oil Tank	500 gallons	New Lube Oil	Liquid
Comp. Oil Tank	500 gallons	New Lube Oil	Liquid
Waste Oil	1000 gallons	Used Lube Oil	Liquid

Maximum Hydrocarbon Fluid Storage on Site: 3,000 gallons.

The following hazardous materials are stored at the facility:

Container	Volume	Contents	State
TEG Tank	500 gallons	Triethylene Glycol	Liquid
Jacket Water Tank (EG)	500 gallons	50% Ethylene Glycol & Water	Liquid
Jacket Water Tank (EG)	500 gallons	50% Ethylene Glycol & Water	Liquid
Below Grade Tank	3570 gallons (85 BBL)	Produced Water	Liquid
Below Grade Tank	3570 gallons (85 BBL)	Produced Water	Liquid

Maximum Hazardous Material Storage on Site: 8,640 gallons.

2.4 Source and Disposition of Fluids

Source	Disposition	Quantity/Month	Quality Type	Additives
Compressor Engines	Waste Oil Tank	50 Gallons	Used Motor Oil	None
Compressor Engines	Recycled in Jacket Water Tank (EG)	5 gallons	50% Ethylene Glycol & Water	Ethylene Glycol
Compressor Engines	Filter bin	20 filters	Used Motor Oil Filters	
Dehydrator	Below Grade Tank	10 Gallons	Produced Water	Triethylene Glycol
Wash down Water	Below Grade Tank	Variable	Used Motor Oil, Triethylene Glycol, 50% Ethylene Glycol & Water	Soap
Separator(s)	Below Grade Tank	400 BBL	Produced Water	None

All hydrocarbon fluid and hazardous material storage containers are placed in secondary containment control.

2.5 Spill Prevention – Storage Tanks

In general, the capacity of secondary containment area for bulk storage containers will be at least 110% of the capacity of the largest single container within that secondary containment area. This method of establishing sufficient secondary containment capacity is in accordance with 20.5.1 NMAC.

2.6 Spill Prevention – Process Equipment

Process equipment is either placed inside of secondary containment or operated in a manner to minimize the potential for leaks or spills. Equipment integrity assurance procedures and equipment inspections are key parts of these prevention efforts.

2.7 Spill Prevention – Below Grade Tanks

Below Grade tanks are placed inside of secondary containment with a geomembrane liner, and visible side walls. Disposal of such materials will be in accordance with applicable federal, state and local requirements

2.8 Spill Prevention – Transfer Operations

Transfer operations of hydrocarbon and hazardous liquids to and from the compressors and the dehydration unit are piped either by a pump or gravity-feed. There are both above ground and buried piping used at the facility. All above ground valves and piping are examined routinely by the field operator and during the annual facility inspection.

2.9 Spill Prevention – Truck Loading/Unloading Operations

Contract haulers provide tank-refilling operations. The transport vehicle used in loading/unloading operations is not located within a secondary containment structure. In the event of an accidental release that does or may leave the compressor station site, an emergency response will be initiated to minimize environmental impacts. Any impacted soils will be excavated and delivered to an approved facility for remediation.

2.10 Disposal

Field personnel will coordinate the proper disposal of any waste materials as a result of a spill with management and contractors available as needed. Management and disposal of such materials will be in accordance with applicable federal, state and local requirements.

2.11 Inspection and Maintenance

The field operator conducts informal inspections regularly during normal daily activities. Operators visit the facility at least once a day, five days a week to record production rates and ensure the proper functioning of the compressor engines and separators, storage tanks, and storage containers. This includes performing equipment inspections and maintenance as needed.

Formal inspections will be as follows:

1) Annual Inspections
   a) Inspections of above ground facilities.
   b) Conditions at the time of the inspection are recorded on an inspection sheet (Appendix D) and kept at the facility office.
   c) The following checks are performed:
      i. Condition of all secondary containment structures.
      ii. Equipment, tanks, valves, fittings, hoses and barrels for visible deterioration.
2) Recommendations made during an inspection are acted on as soon as practical.

2.12 Spill Contingency Plan

All storage tanks at the site are placed within secondary containment structures designed to hold a catastrophic failure of the largest tank within the structure. Transfer vehicles used during the tank filling/emptying operations are not within secondary containment. In the event that a spill occurs that is not controlled by secondary containment structures, all resources necessary will be employed to minimize environmental impacts and protect watercourses. The following procedures would be used to mitigate a spill:

a) Upon initial spill discovery, site personnel will determine if taking immediate actions will result in minimizing environmental impacts. Those actions, if any, will be implemented safely.
b) Site personnel will make emergency contacts to the appropriate management personnel listed in this document.
c) BGS management will notify appropriate regulatory authority as listed in WQCC Section 1203.
d) A spill specific remedial action plan will be developed.
e) Company and contract help will be mobilized to implement the spill specific remedial action plan.

3.0 HYDROGEOLOGICAL REPORT

3.1 Referenced Well Location

The referenced site is located on New Mexico State land in San Juan County, New Mexico. This site is positioned in the central portion of the San Juan Basin, an asymetrical syncline that extends from northwestern New Mexico into southwestern Colorado (Carson National Forest DEIS, 2007). The project area is located approximately 20 miles southeast of Farmington, New Mexico

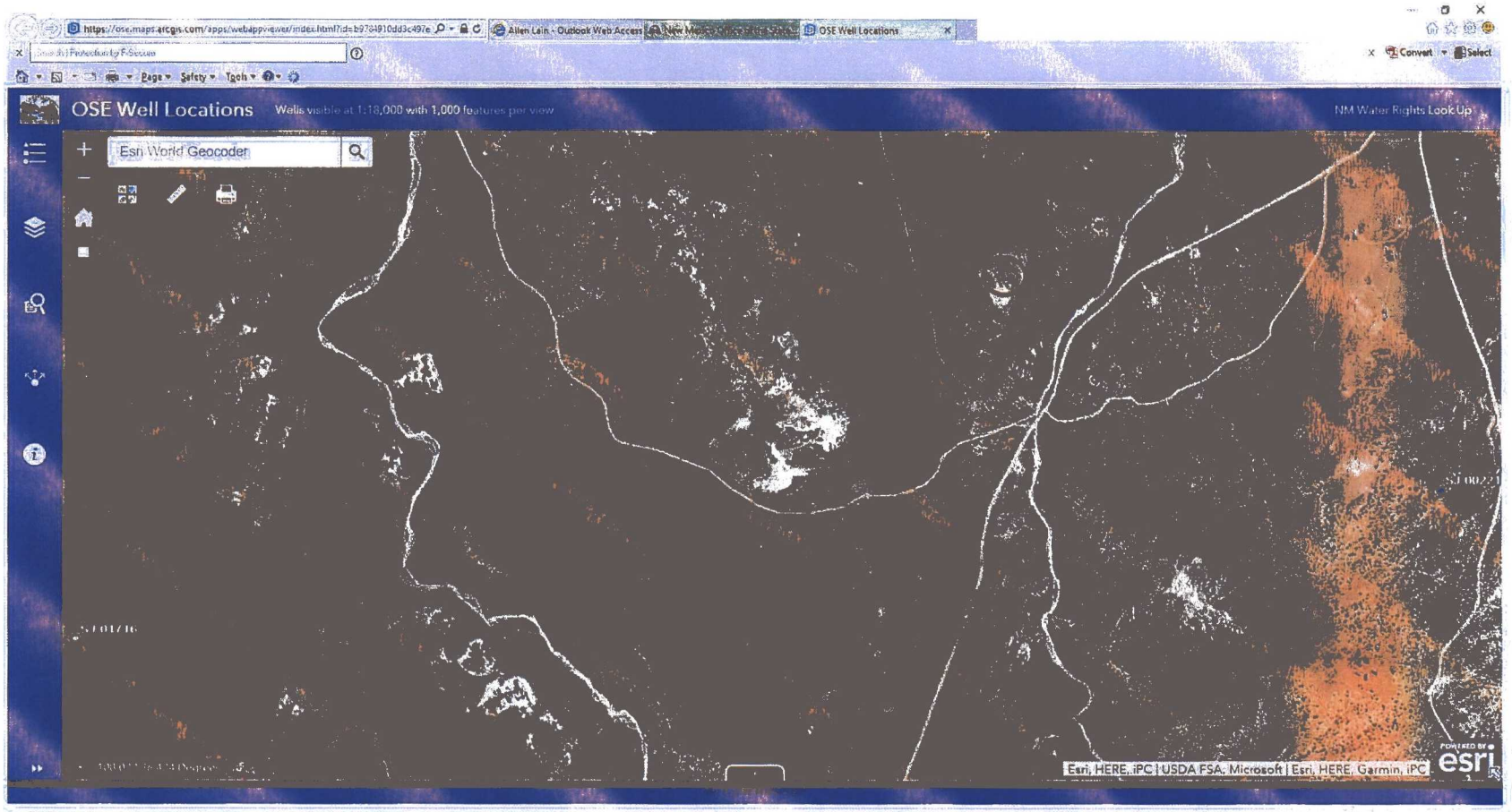
3.2 General Regional Groundwater Description:

As a portion of the San Juan Basin, the region is underlain by sandstone aquifers of the Colorado Plateau. The primary aquifer of potential concern at this location is the Unita-Animas Aquifer, composed primarily of Lower Tertiary rocks in the San Juan Basin. The aquifer consists of the San Jose Formation; the underlying Animas formation and its lateral equivalent, the Nacimiento formation; and the Ojo Alamo Sandstone. The thickness of the Unita-Animas aquifer generally increases toward the central part of the basin. In the northeastern part of the San Juan Basin, the maximum thickness of the aquifer is approximately 3500 feet (USGS, 2001). This aquifer contains fresh to moderately saline water TDS is approximated at 1400.

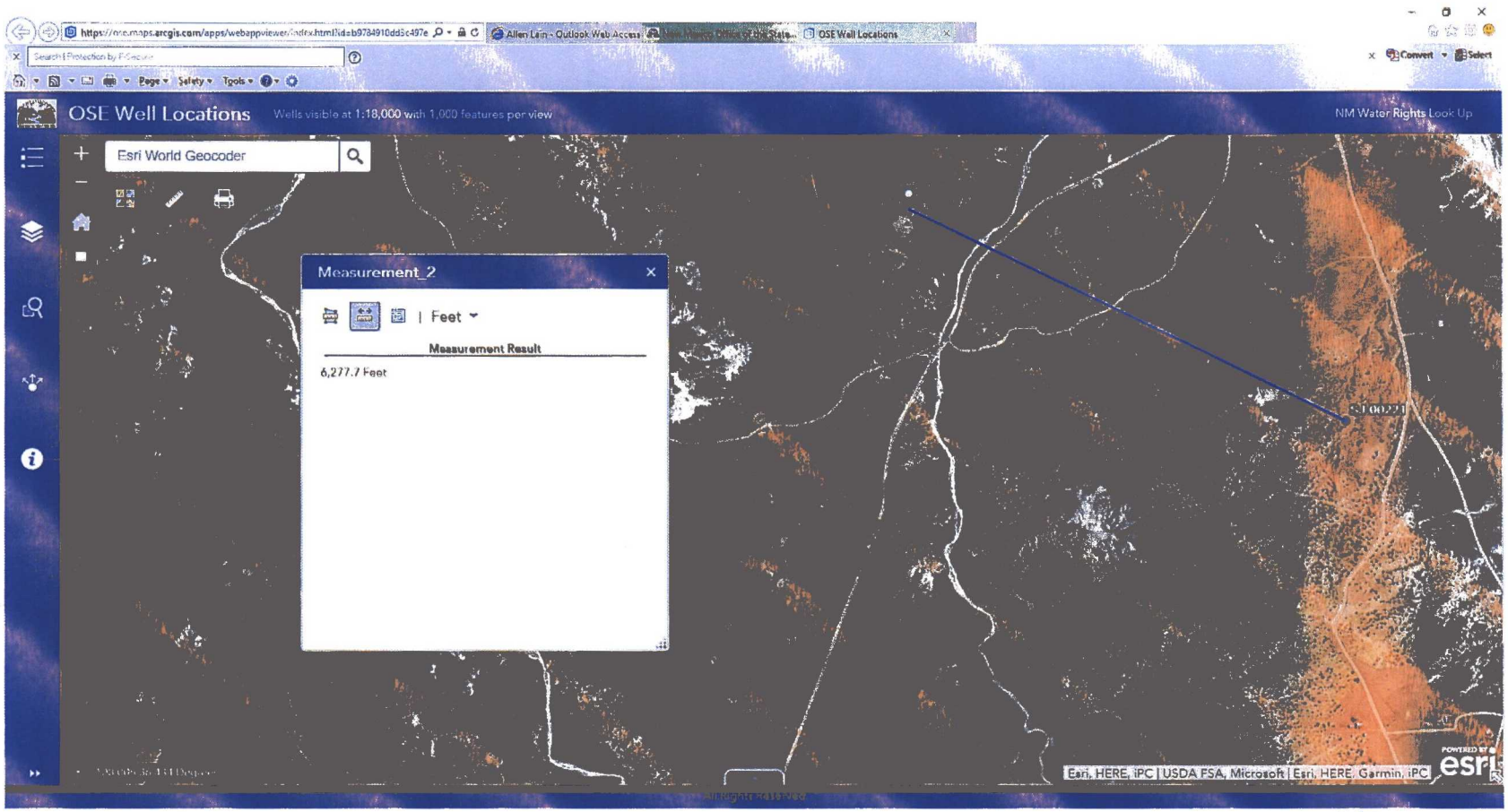
Groundwater generally flows toward the San Juan River and it tributaries, where it becomes alluvial groundwater or is discharged to stream flow. Additional information regarding the Hydrogeologic setting can be found in the provided references.

3.3 Site Specific Information

Surface Hydrology:	The site is located in upper elevations of a northeastern slope. The nearest drainage is located more than 300 feet from the site.
1st Water Bearing Formation:	Nacimiento Formation, Tertiary
Formation Thickness:	Approximately 300 feet
Underlying Formation:	Ojo Alamo Sandstone, Tertiary
Depth to Groundwater:	Depth to groundwater is estimated at greater than 100 feet bgs. The nearest iWATER wells for which water depth is recorded (SJ-01716, over 13,000 feet to the southwest; SJ-00221, over 6000 feet to the southeast) have recorded water depths of 210 and 135 feet, respectively.



Relative Position – Buena Suerte Compressor Station, SJ 00221, & SJ 01716



Distance from New Buena Suerte BGT to SJ 00221

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: SJ 00221 **Subbasin:** - **Cross Reference:** -

Primary Purpose: DOM 72-12-1 DOMESTIC ONE HOUSEHOLD

Primary Status: PMT PERMIT

Total Acres: **Subfile:** -

Total Diversion: 3 **Cause/Case:** -

Owner: CHARLEY Y. BROWN

Documents on File

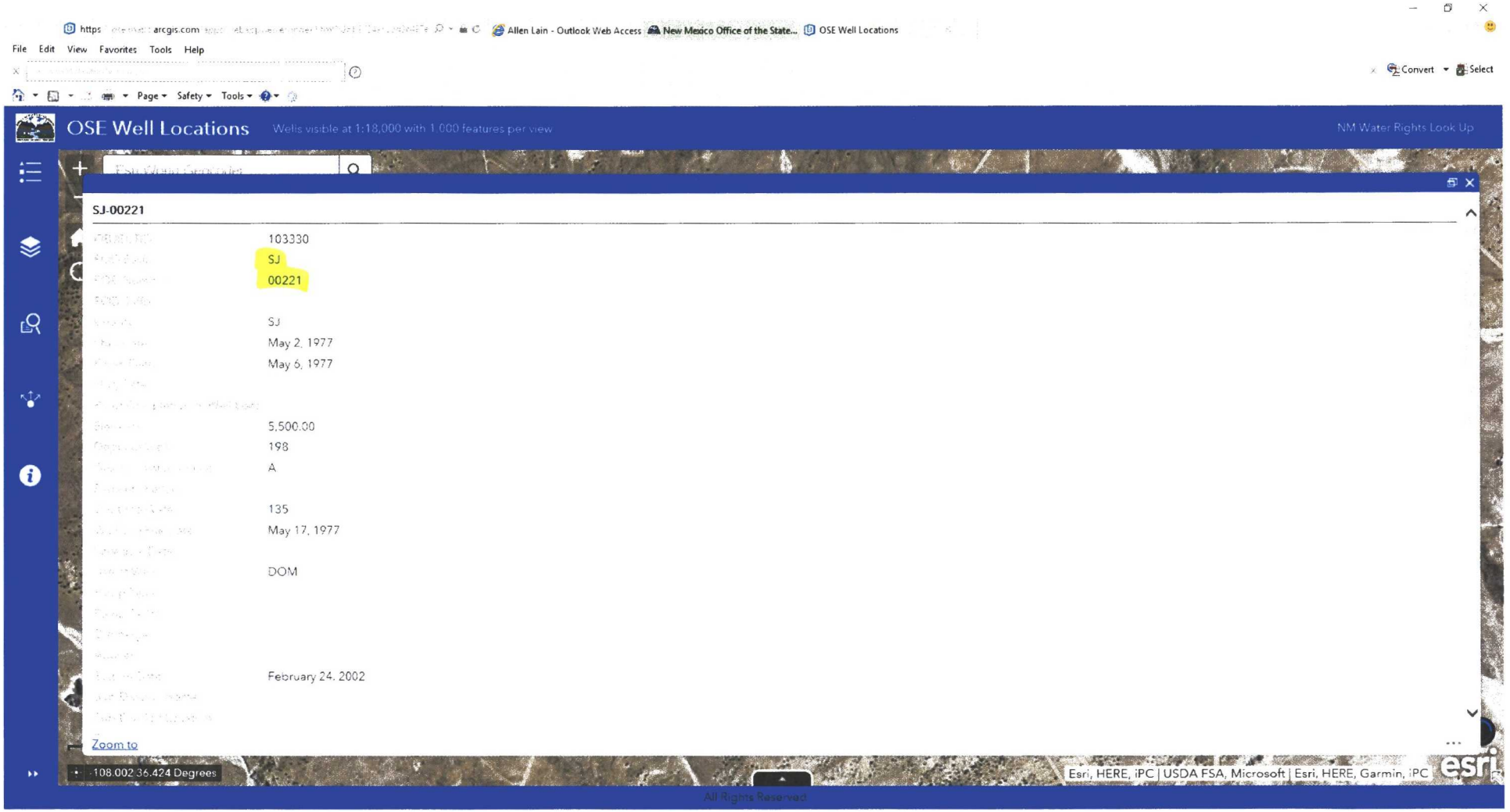
	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	224422	72121	1977-04-08	PMT	LOG	SJ 00221	T		3	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Source	Q Q Q 6416 4	Sec	Tws	Rng	X	Y	Other Location Desc
SJ 00221	Artesian	2	04	25N	11W	230613	4036253*	

*An (*) after northing value indicates UTM location was derived from PLSS - see Help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Wells visible at 1:18,000 with 1,000 features per view
NM Water Rights Look Up
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A
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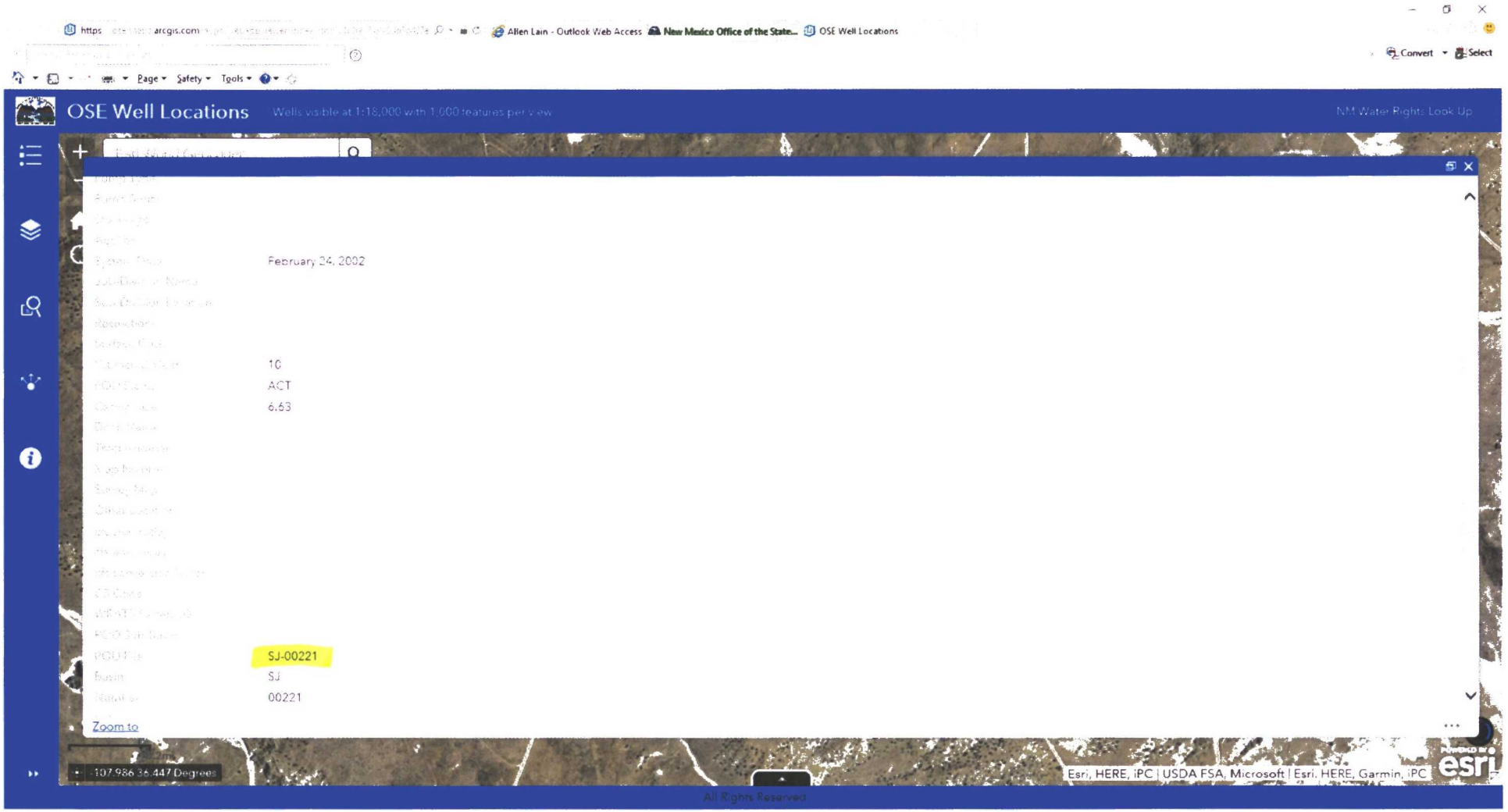
All Rights Reserved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Wells visible at 1:18,000 with 1,000 features per view
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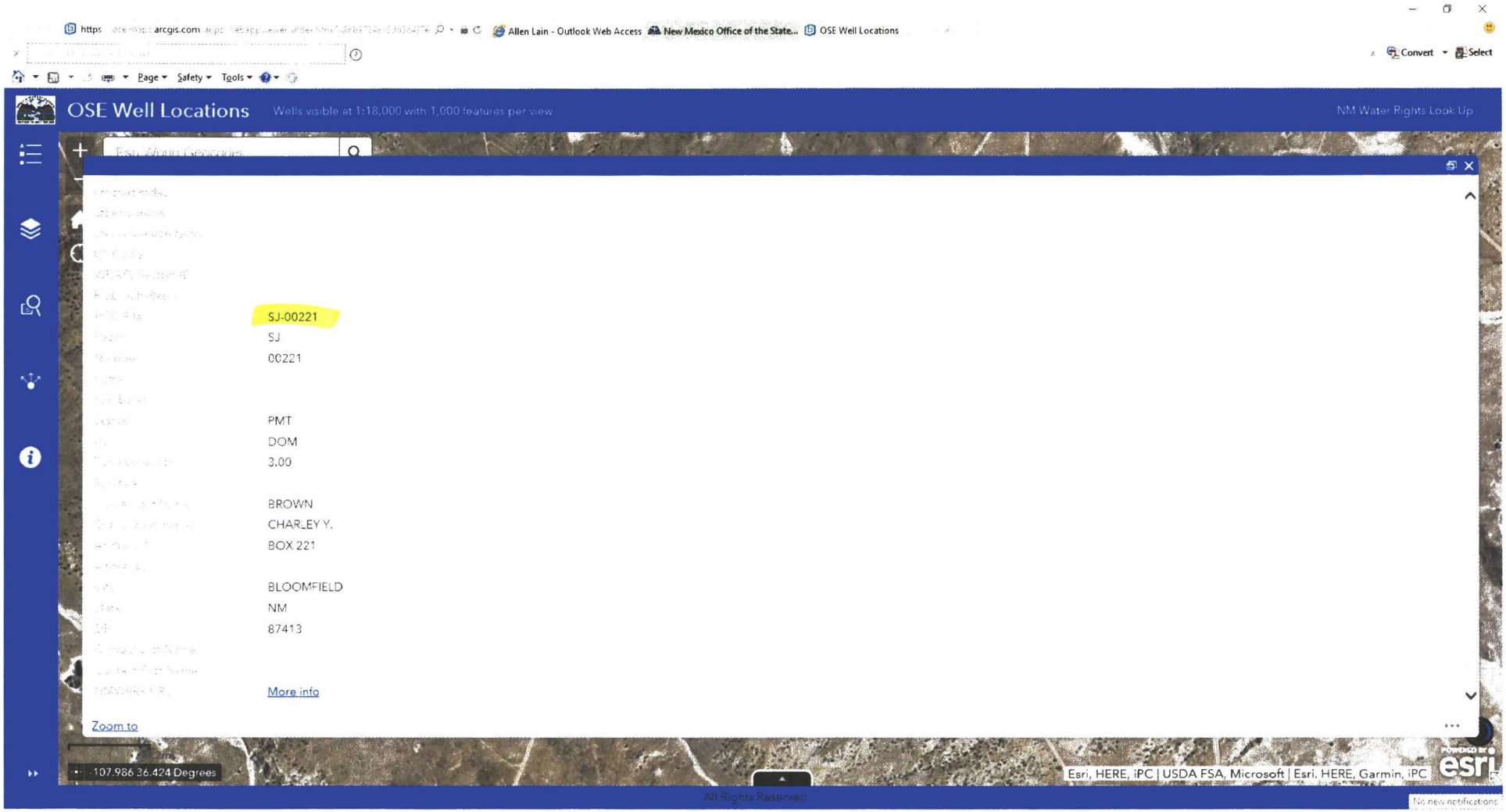
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BROWN
CHARLEY Y.
BOX 221
BLOOMFIELD
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87413
More info
Zoom to
-107.986 36.424 Degrees
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No new notifications

224422

READ INSTRUCTIONS ON BACK

Revised March 1972

APPLICATION TO APPROPRIATE UNDERGROUND WATERS IN ACCORDANCE WITH SECTION 75-11-1 NEW MEXICO STATUTES

'77 APR 7 AM 11 19

STATE ENGINEER OFFIC
SANTA FE, N.M. 87501

1. Name and Address of Applicant:

Charley Y Brown
Box 221
Bloomfield, New Mexico 87413

File No. SJ-221

2. Describe well location under one of the following subheadings:

a. ____ ¼ ____ ¼ NE ¼ of Sec. 4 Twp. 25 Rge. 11 W N. M. P. M., in San Jaun County.

b. Tract No. ____ of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the ____
Subdivision, recorded in ____ County.

d. X = ____ feet, Y = ____ feet, N. M. Coordinate System ____ Zone
in the ____ Grant.

e. Give street address or route and box No. of property upon which well is to be located, or location by direction and distance from known landmarks At Carson Trading Post South of Bloomfield N.M.

3. Approximate depth (if known) 175 feet; outside diameter of casing 7 inches.

Name of driller (if known) William J. Hood

4. Use of water (check appropriate box or boxes):

- [X] Household, non-commercial trees, lawn and garden not to exceed 1 acre.
- [X] Livestock watering.
- [ ] Drinking and sanitary purposes and the irrigation of non-commercial trees, shrubs and lawns in conjunction with a commercial operation.
- [ ] Prospecting, mining or drilling operations to discover or develop natural resources.
- [ ] Construction of public works, highways and roads.

If any of the last three were marked, give name and nature of business under Remarks. (Item 5)

5. Remarks: ____

I, Charley Y. Brown, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

Charley Y. Brown, Applicant

By William J Hood Date: 4/6/77

ACTION OF STATE ENGINEER

This application is approved for the use indicated, subject to all general conditions and to the specific conditions numbered 4 on the reverse side hereof. This permit will automatically expire unless this well is drilled or driven and the well record filed on or before April 30, 1978.

S. E. Reynolds, State Engineer

By: J. K. Couzens

J. K. Couzens, Engineer, WAter Rights Div.

Date: April 8, 1977 File No. SJ-221

GENERAL CONDITIONS OF APPROVAL

A. The maximum amount of water that may be appropriated under this permit is 3 acre feet in any calendar year.

B. The well shall be drilled only by a driller licensed in the State of New Mexico in accordance with Section 75-11-13 New Mexico Statutes Annotated. A licensed driller shall not be required for the construction of a driven well; provided, that the casing shall not exceed two and three-eights (2 3/8) inches outside diameter (Section 75-11-13).

C. Driller's log must be filed in the office of the State Engineer within 10 days after the well is drilled or driven. Failure to file the log within that time shall result in automatic cancellation of the permit. Log forms will be provided by the State Engineer upon request.

D. The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.

E. If the well under this permit is used at any time to serve more than one household, livestock in a commercial feed lot operation, or any other commercial purpose, the permittee shall comply with Specific Conditon of Approval number 5(b).

F. In the event this well is combined with other wells permitted under Section 75-11-1 New Mexico Statutes Annotated, the total outdoor use shall not exceed the irrigation of one acre of non-commercial trees, lawn, and garden, or the equivalent outside consumptive use, and the total appropriation for household and outdoor use from the entire water distribution system shall not exceed 3 acre feet per annum.

SPECIFIC CONDITIONS OF APPROVAL

(Applicable only when so indicated on the other side of this form.)

1. Depth of the well shall not exceed the thickness of the (a) the valley fill or (b) Ogallala formation.
2. The well shall be constructed to artesian well specifications and the State Engineer Office shall be notified before casing is landed or cemented.
3. Appropriation and use of water under this permit shall not exceed a period of one year from the date of approval.
4. Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.
5. A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the State Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water and pumping records shall be submitted to the District Supervisor (a) for each calendar month, on or before the 30th day of the following month (b) on or before the 10th of January, April, July and October of each year for the three preceding calendar months (c) for each calendar year on or before the 30th day of January of the following year.
6. The well shall be plugged upon completion of the permitted use and a plugging report shall be filed in the office of the State Engineer within 10 days.
7. Final approval for the use of the well shall be dependent upon a leakage test made by the State Engineer Office.
8. Use shall be limited strictly to household and/or drinking and sanitary purposes; water shall be conveyed from the well to the place of use in closed conduit and the effluent returned to the underground so that it will not appear on the surface. No irrigation of lawns, garden, trees or use in any type of pool or pond is authorized under this permit.

INSTRUCTIONS

The application shall be made in the name of the actual user of the well for the purpose specified in the application.

The application shall be executed in triplicate and forwarded with a $1.00 filing fee to the appropriate office of the State Engineer.

A separate application must be filed for each well to be drilled or used.

If well to be used is an existing well, an explanation (and file number, if possible) should be given under Remarks. (Item 5.)

Applications for appropriation, well logs and request for information in the following basins should be addressed to the State Engineer at the office indicated;

Bluewater, Estancia, Rio Grande, and Sandia Basins
District No. 1, 505 Marquette NW, Room 1023, Albuquerque, New Mexico 87101

Capitan, Carlsbad, Fort Sumner, Hondo, Jal, Lea, Penasco, Portales, Roswell, and Upper Pecos Basins
District No. 2, Box 1717, Roswell, New Mexico 88201

Animas, Gila-San Francisco, Hot Springs, Las Animas Creek, Lordsburg, Mimbres, Nutt-Hockett, Playas, San Simon, and Virden Valley Basins
District No. 3, Box 844, Deming, New Mexico 88030

Canadian River Basin
State Engineer Office, State Capitol, Bataan Memorial Bldg., Santa Fe, New Mexico 87501

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

'77 MAY 18 AM 11 03

STATE ENGINEER OFFIC
SANTA FE, N.M. 87501

Section 1. GENERAL INFORMATION

(A) Owner of well Charlie Y. Brown Owner's Well No. _____
Street or Post Office Address Box 221
City and State Bloomfield, New Mexico.

Well was drilled under Permit No. SJ 221 and is located in the:

a. ____ ¼ ____ ¼ ____ ¼ NE ¼ of Section 4 Township 25W Range 11W N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in San Juan County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor William J. Hood License No. WD 717

Address Rt.3, Box 234, Flora Vista, New Mexico

Drilling Began 5/3/77 Completed 5/7/77 Type tools Cable Size of hole 6-5/8 in.

Elevation of land surface or _____ at well is 5500 ft. Total depth of well 198 ft.

Completed well is ☐ shallow ☒ artesian. Depth to water upon completion of well 135 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
168	198	30	Blue Water Sand	10

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
6 5/8	.188		0	52	52	None		
5.3	S - 200	Plastic	52	198	146		158	198

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 5/18/77

Quad _____ FWL _____ FSL _____

File No. SJ-221 Use Dom Location No. 25N.11W.4 200

San Juan Co.

Section 6. LOG OF HOLE

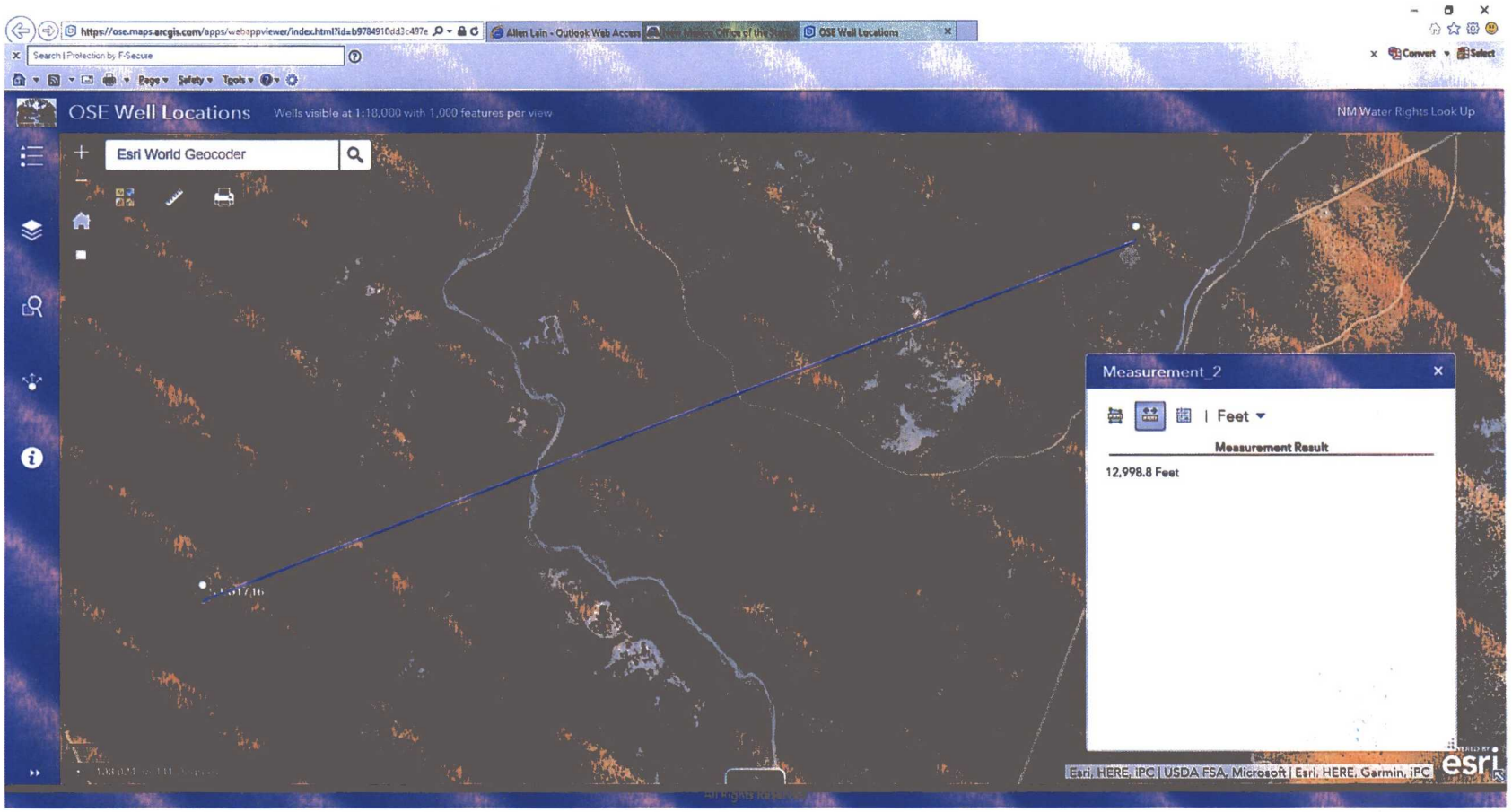
Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	52	52	Sandy Over - Burden
52	168	116	Blue Shale
168	198	30	Blue Water-Bearing Sand

Section 7. REMARKS AND ADDITIONAL INFORMATION

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 hole.

W. J. Hood
Driller

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



Distance from New Buena Suerte BGT to SJ 01716

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: SJ 01716 **Subbasin:** - **Cross Reference:** -

Primary Purpose: STK 72-12-1 LIVESTOCK WATERING

Primary Status: DCL DECLARATION

Total Acres: 0 **Subfile:** -

Total Diversion: 15 **Cause/Case:** -

Owner: U.S. DEPT. OF INTERIOR

Documents on File

Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images 232061	DCL	1983-04-29	DCL	PRC	SJ 01716	T	0	15	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
SJ 01716	Shallow	2	3		01	25N	12W	225189	4035835*	

*An (*) after northing value indicates UTM location was derived from PLSS - see Help

Priority Summary

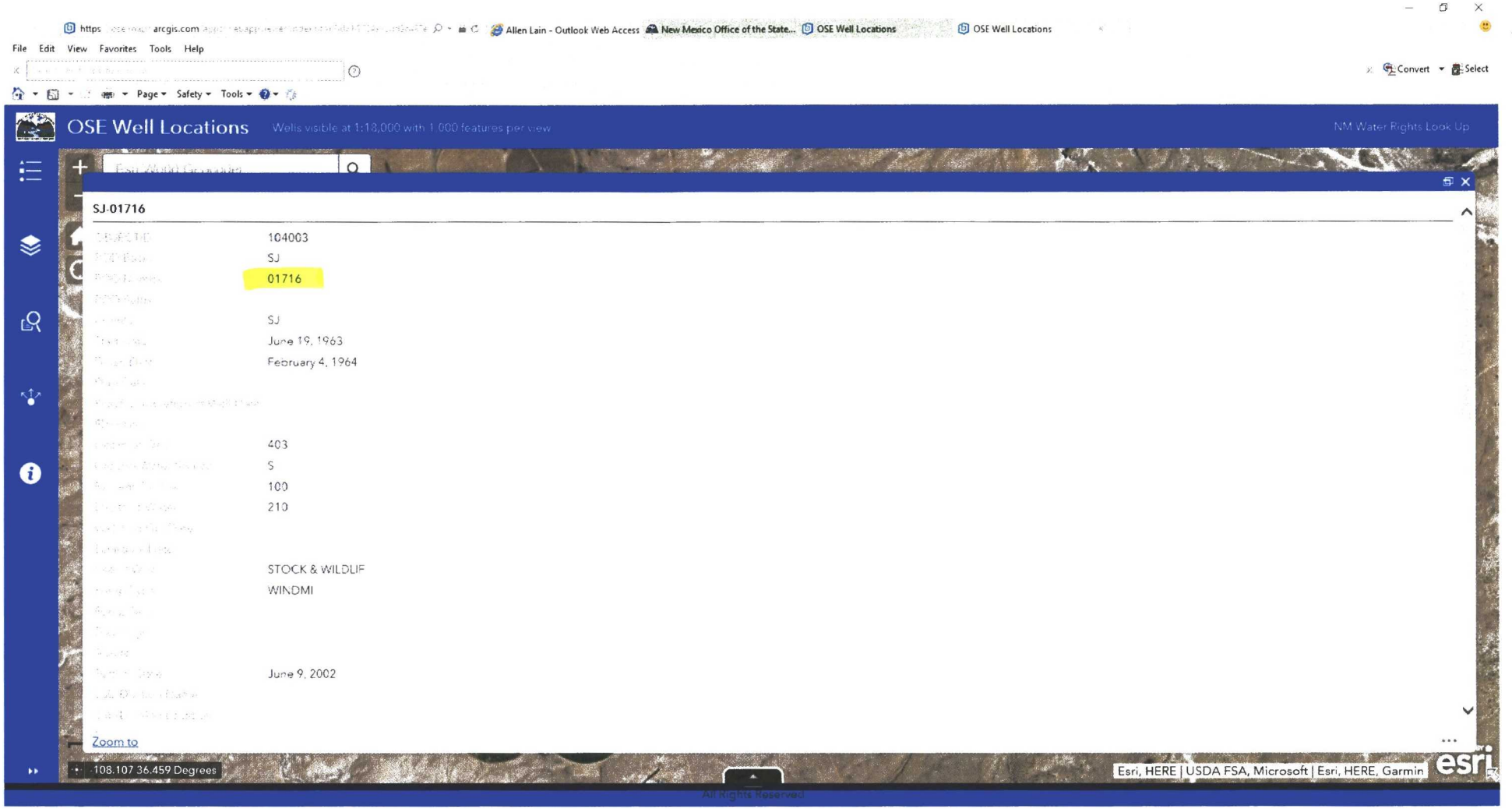
Priority	Status	Acres	Diversion	Pod Number	Source
02/05/1964	DCL	0	15	SJ 01716	Shallow

Place of Use

Q 256	Q 64	Q 16	Q 4	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
							0	15		STK	02/05/1964	DCL	NO PLACE OF USE GIVEN

Source

Acres	Diversion	CU	Use	Priority	Source	Description
0	15		STK	02/05/1964	GW	


OSE Well Locations
Wells visible at 1:18,000 with 1,000 features per view
NM Water Rights Look Up
SJ-01716
104003
SJ
01716
SJ
June 19, 1963
February 4, 1964
403
S
100
210
STOCK & WILDLIF
WINDMI
June 9, 2002
Zoom to
-108.107 36.459 Degrees
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https://...arcgis.com/... Allen Lain - Outlook Web Access | New Mexico Office of the State... | OSE Well Locations | OSE Well Locations

Page ▾ Safety ▾ Tools ▾ Convert ▾ Select

OSE Well Locations

Wells visible at 1:18,000 with 1,000 features per view

NM Water Rights Look Up

Discharge	
Aquifer	
System Date	June 9, 2002
Sub-Division Name	
Sub-Division Location	
Restrictions	
Surface Code	
Estimated Yield	40
POD Status	
Casing Size	6.63
Ditch Name	
Tract Number	
Map Number	
Survey Map	
Other Location	
cfs start mday	
cfs end mday	
cfs conversion factor	
CS Code	
WRATS System ID	
POD Sub-Basin	
POD File	SJ-01716
Basin	SJ
Number	01716
Suffix	
Sub Basin	

Zoom to

-108.010 36.440 Degrees

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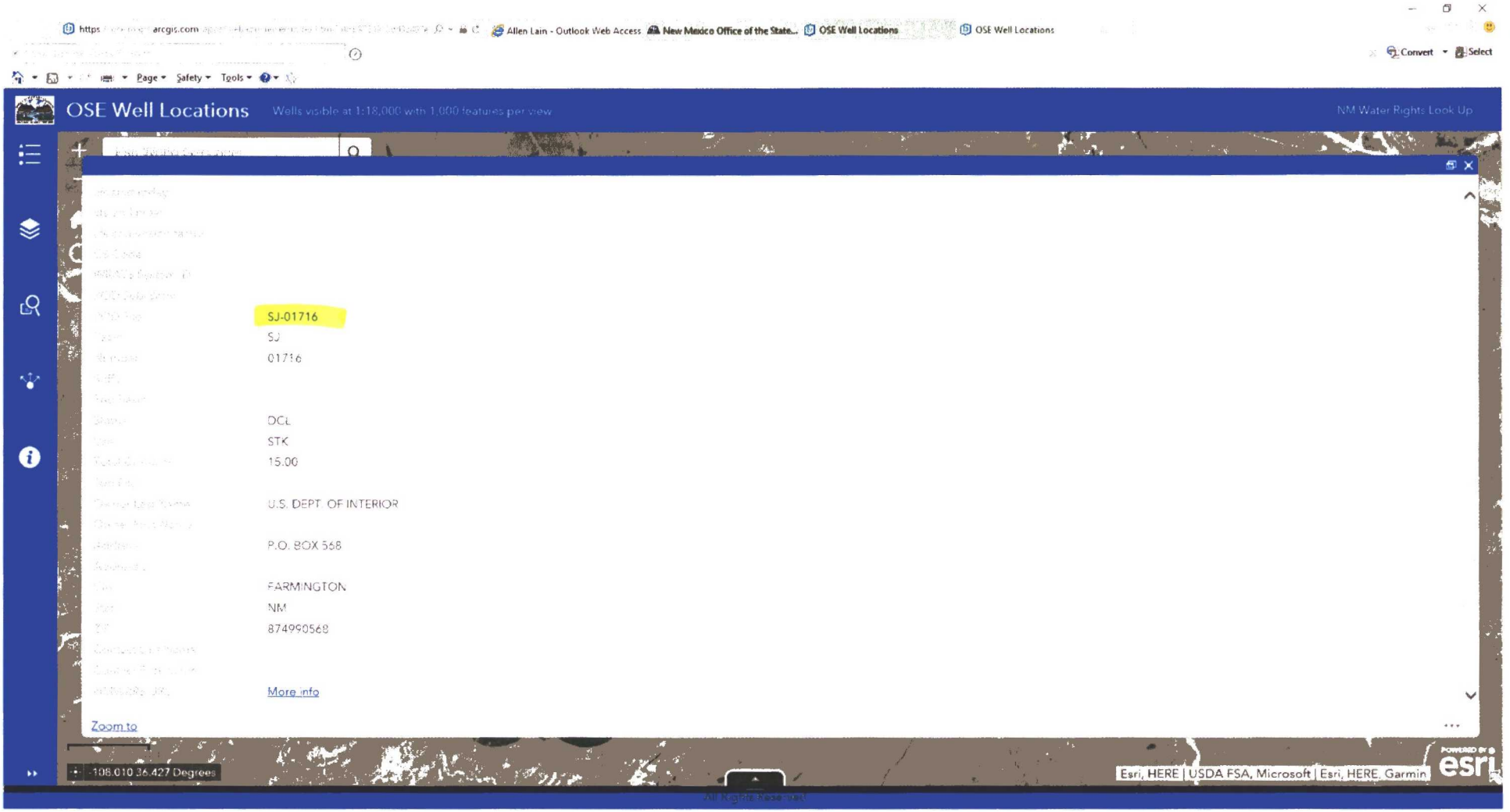
OSE Well Locations
Wells visible at 1:18,000 with 1,000 features per view
NM Water Rights Look Up
SJ-01716
SJ
01716
DCL
STK
15.00
U.S. DEPT. OF INTERIOR
P.O. BOX 568
FARMINGTON
NM
874990568
More info
Zoom to
-108.010 36.427 Degrees
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esri

Revised December 1975

23261

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

Declaration of Owner of Underground Water Right

SC-107368

SAN JUAN UNDERGROUND WATER BASIN
BASIN NAME

Declaration No. SJ-1716 Date received April 29, 1983

STATEMENT

1. Name of Declarant U. S. Dept. of Interior, Bureau of Land Management
   Mailing Address P. O. Box 568, Farmington, New Mexico 87499-0568
   County of San Juan, State of New Mexico
2. Source of water supply Nacimiento Formation
   (artesian or shallow water aquifer)
3. Describe well location under one of the following subheadings:
   a. ___ ¼ NE ¼ SW ¼ of Sec. 1 Twp. 25 N. Rge. 12 W. N.M.P.M., in San Juan County.
   b. Tract No. ___ of Map No. ___ of the ___.
   c. X = ___ feet, Y = ___ feet, N. M. Coordinate System ___ Zone in the ___ Grant.
   On land owned by Bureau of Land Management (see address above)
4. Description of well: date drilled 6/20/63-2/5/64 driller W. R. West Drilling Co. depth 403 feet. outside diameter of casing 6 5/8 inches; original capacity 40 gal. per min.; present capacity 40 gal. per min.; pumping lift 375 feet; static water level 210 feet ~~above~~ (below) land surface; make and type of pump 1 7/8 inch cylinder (plunger on sucker rod) make, type, horsepower, etc., of power plant 14 foot diameter aermotor mounted on steel tower. Fractional or percentage interest claimed in well 100% (all)
5. Quantity of water appropriated and beneficially used ___ (acre feet per acre) 15 (acre feet per annum) for livestock and wildlife purposes.
6. Acreage actually irrigated N/A acres, located and described as follows (describe only lands actually irrigated):

Subdivision	Sec.	Twp.	Range	Acres Irrigated	Owner

(Note: location of well and acreage actually irrigated must be shown on plat on reverse side.)

7. Water was first applied to beneficial use 2 (month) 5 (day) 1964 (year) and since that time has been used fully and continuously on all of the above described lands or for the above described purposes except as follows: N/A
8. Additional statements or explanations Carson No. 1 Well (see Log of Well and Project Completion Report)

I, Farmington Resource Area Manager 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.

Jim Sims, declarant.

by: ___

Subscribed and sworn to before me this 25 day of April, A.D. 1983

My commission expires April 13, 1987 Shirley G. Davenport Notary Public

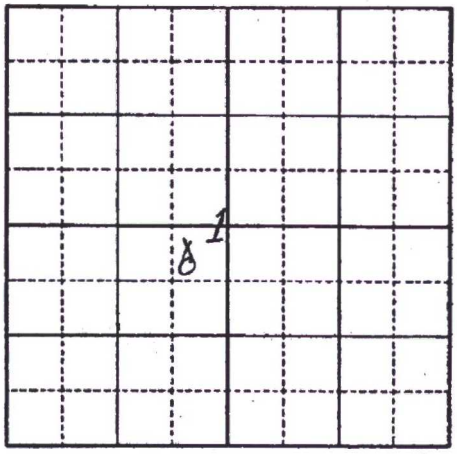
FILED
UNDER NEW MEXICO LAW A DECLARATION IS ONLY A STATEMENT OF DECLARANT'S CLAIM.
ACCEPTANCE FOR FILING DOES NOT CONSTITUTE APPROVAL OR RECOGNITION OF THE CLAIM.

STATE ENGINEER OFFICE
ALBUQUERQUE, N. MEX.
83 APR 29 AM 10 35

Log in location file

Locate well and areas actually irrigated as accurately as possible on following plat:

Section (s) 1, Township 25 N., Range 12 W. N. M. P. M.



INSTRUCTIONS

Declaration shall be executed (preferably typewritten) in triplicate and must be accompanied by a $1.00 filing fee. Each of triplicate copies must be properly signed and attested.

A separate declaration must be filed for each well in use.

All blanks shall be filled out fully. Required information which cannot be sworn to by declarant shall be supplied by affidavit of person or persons familiar with the facts and shall be submitted herewith.

Secs. 1-3. Complete all blanks.

Sec. 4. Fill out all blanks applicable as fully as possible.

Sec. 5. Irrigation use shall be stated in acre feet of water per acre per year applied on the land. If used for domestic, municipal, or other purposes, state total quantity in acre feet used annually.

Sec. 6. Describe only the acreage actually irrigated. When necessary to clearly define irrigated acreages, describe to nearest 2½ acre subdivision. If located on unsurveyed lands, describe by legal supdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily-located natural object.

Sec. 7. Explain and give dates as nearly as possible of any years when all or part of acreage claimed was not irrigated.

Sec. 8. If well irrigates or supplies supplemental water to any other land than that described above, or if land is also irrigated from any other source, explain under this section. Give any other data necessary to fully describe water right.

If additional space is necessary, use a separate sheet or sheets and attach securely hereto.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
P.O. BOX 568
FARMINGTON, NEW MEXICO 87499-0568

IN REPLY REFER TO
7421

APR 28 1983

New Mexico State Engineer
District I Office
2340 Menaul, NE, Suite 206
Albuquerque, New Mexico 87107-1884

Dear Sir:

Enclosed, please find Declaration of Owner of Underground Water Right for sixteen of our wells for livestock and wildlife watering purposes. Sixteen dollars are enclosed for filing fees.

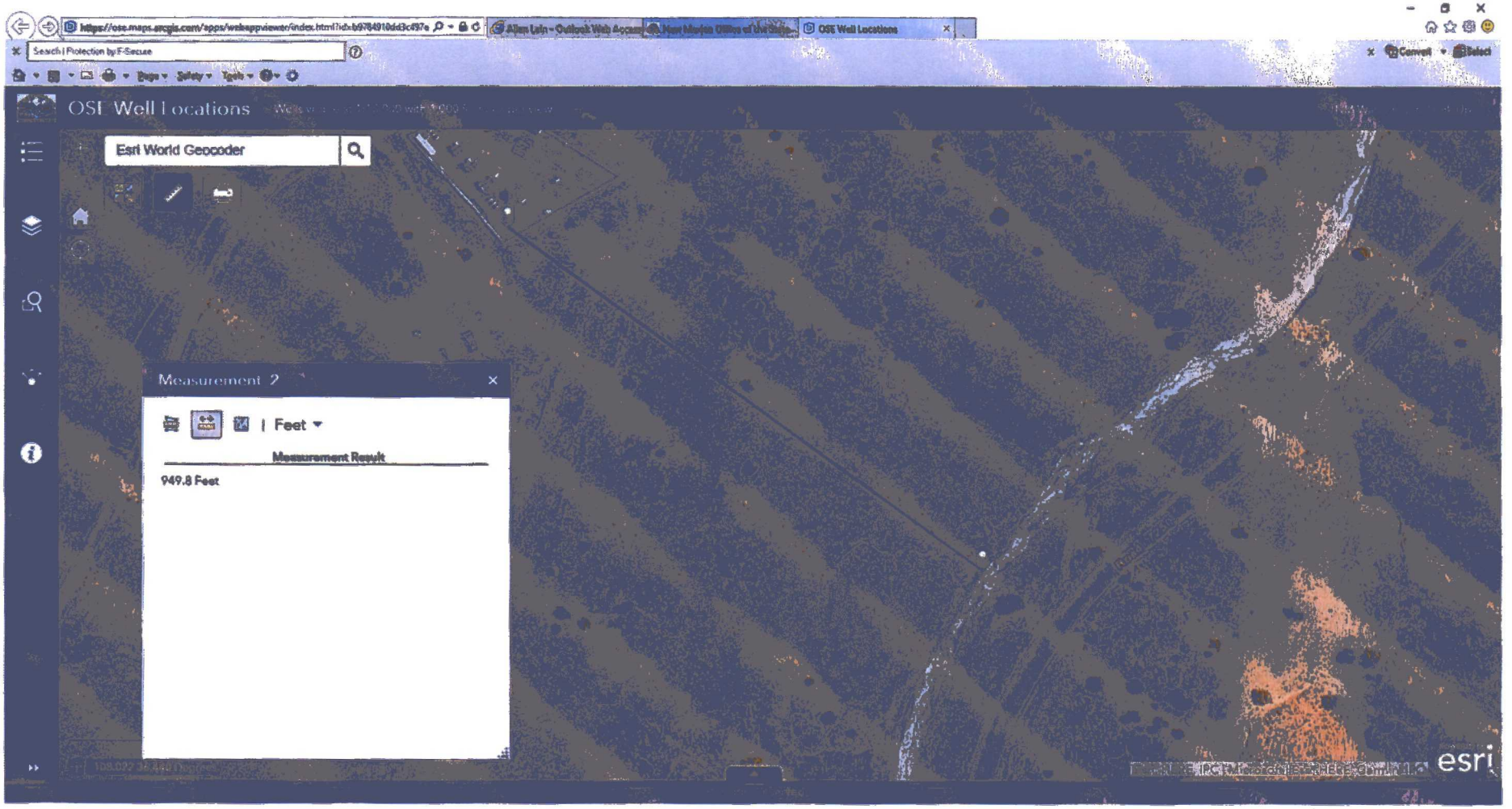
If you have any questions, please call Dana Shuford of our staff (505-325-3581).

Sincerely yours,

acting Jim Sims
Area Manager

Enclosures

83APR 29 A10:34
ALBUQUERQUE, N. MEX.



Distance from New Buena Suerte BGT to Nearest Major Watercourse

4.0 CLOSURE PLAN

The following information describes the closure requirements for a facility on Elm Ridge Exploration LLC DBA Beeline Gas Systems (BGS) locations. This is BGS's standard outline for closing facilities. A separate plan will be submitted for any facility that does not conform to this plan.

General Plan:

1. BGS shall close a facility with in a reasonable time period after the cessation of operations.

2. BGS shall remove liquids from any storage tank prior to implementing a closure method and shall dispose of the liquids in a Division approved facility.

3. BGS shall remove all equipment and dispose of it in a division approved facility or recycle, or reuse it in a manner that the appropriate Division District Office approves.

4. BGS will ~~survey~~ sample AL the location for any signs of discharge. If contamination is confirmed by the ~~survey~~ samples AL, BGS will follow applicable regulations for remediation.

5. If the site survey demonstrates that a release has not occurred, then BGS shall backfill the excavation as needed with compacted, non waste containing, earth material; construct a Division prescribed soil cover re-contour, and re-vegetate the site.

6. 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:
    - Operators Name
    - Location by Unit letter, Section, Township, Range, Location Name

7. Re-contouring 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.

8. BGS shall seed the disturbed areas the first growing season after the operator closes the facility. Seeding will be accomplished via drilling on the contour whenever practical or by other Division approved methods.

4.1 References

Allen, Erin. Undated. Colorado Plateau Aquifers. http://academic.emporia.edu/schulmem/hydro/TERM%20PROJECTS/2007/Allen/Aquifer.html.

New Mexico Energy, Minerals and Natural Resources Department, Division of Mining and Minerals. Database. 2008. Internet accessed August 2008.

New Mexico Office of the State Engineer. August 2008. iWaters database. Internet accessed August 2008.

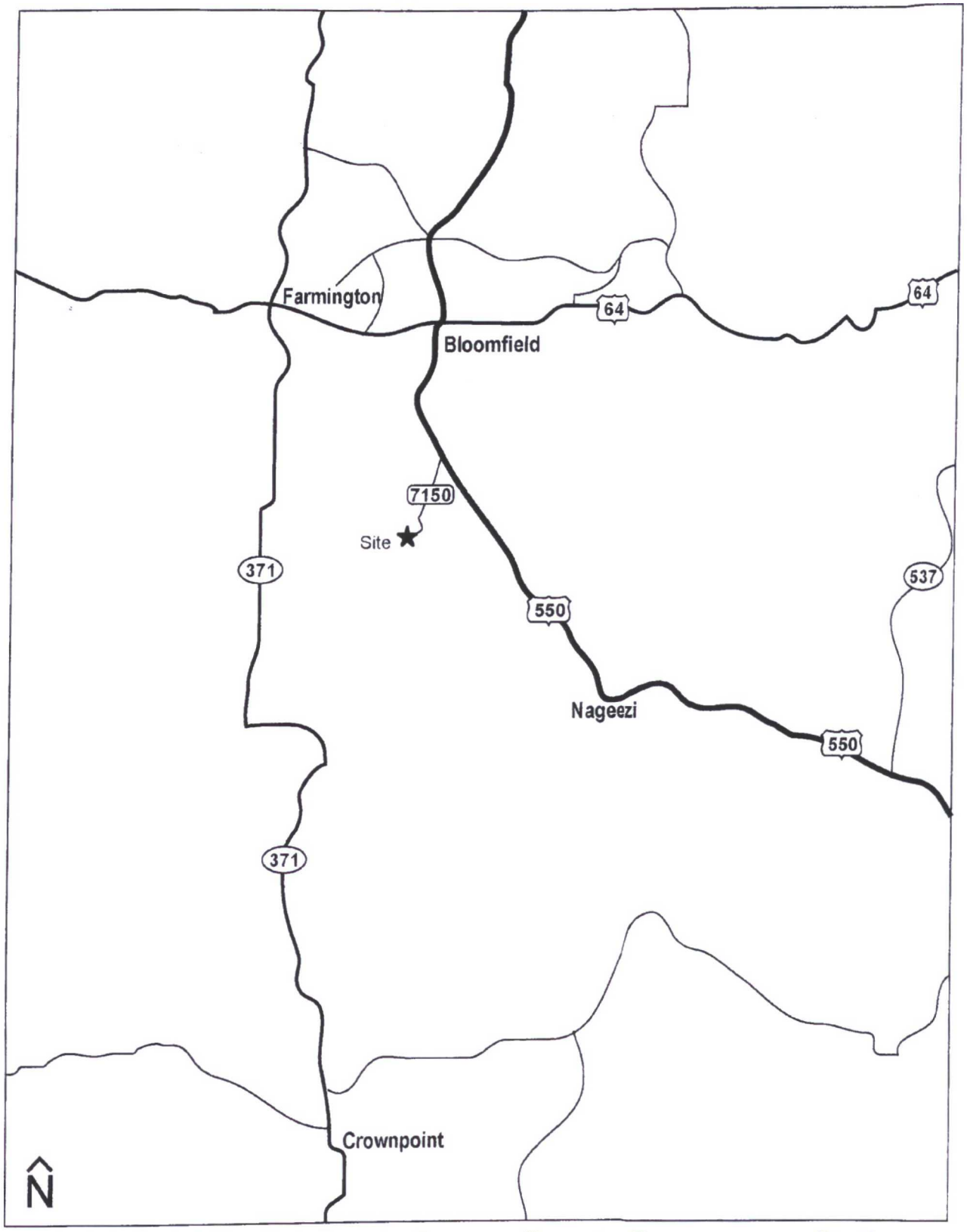
New Mexico WQCC. 2005. State of New Mexico Water Quality Act and the Water Control Commission Regulations.

United States 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.

United States 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.

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

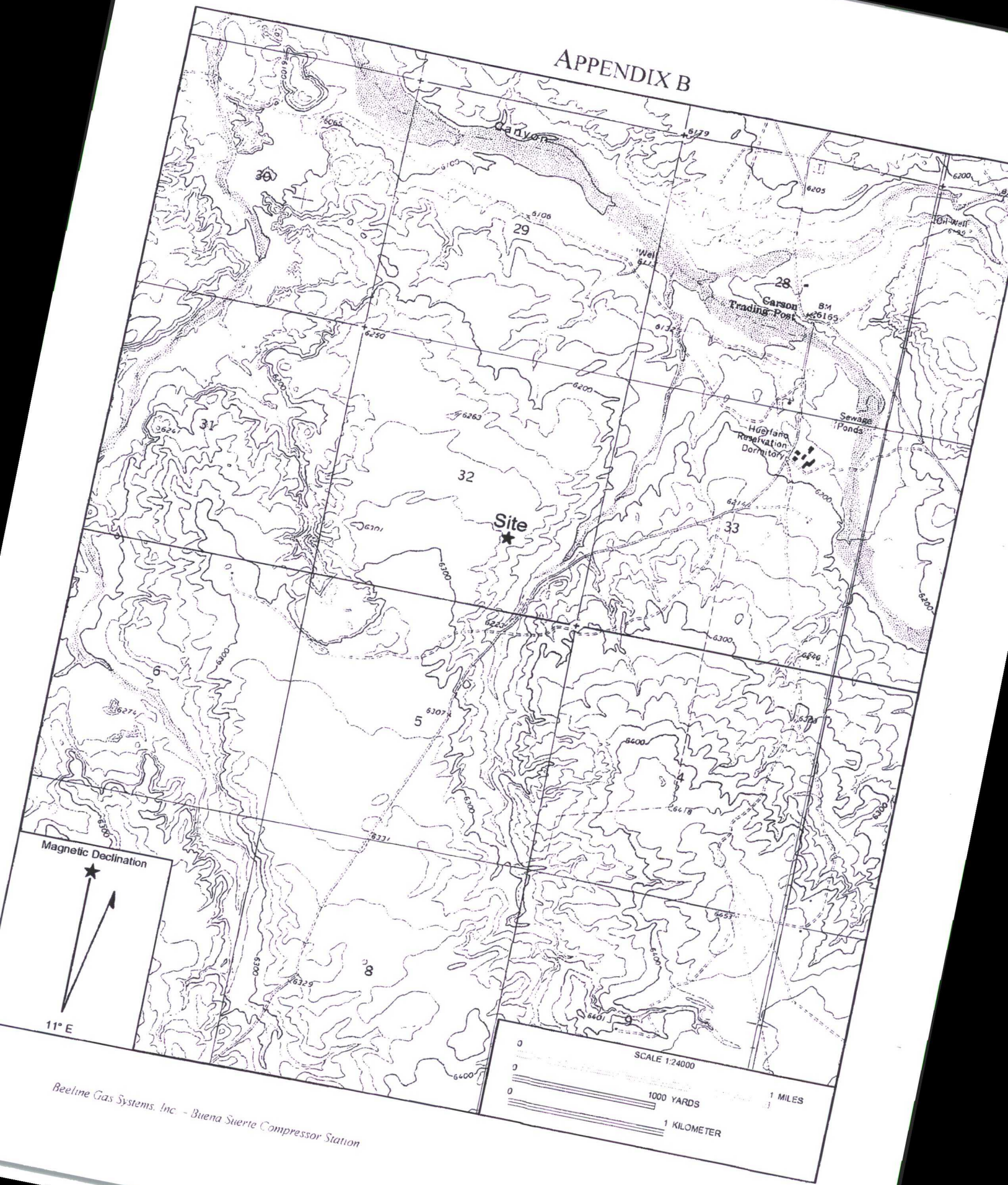
APPENDIX A



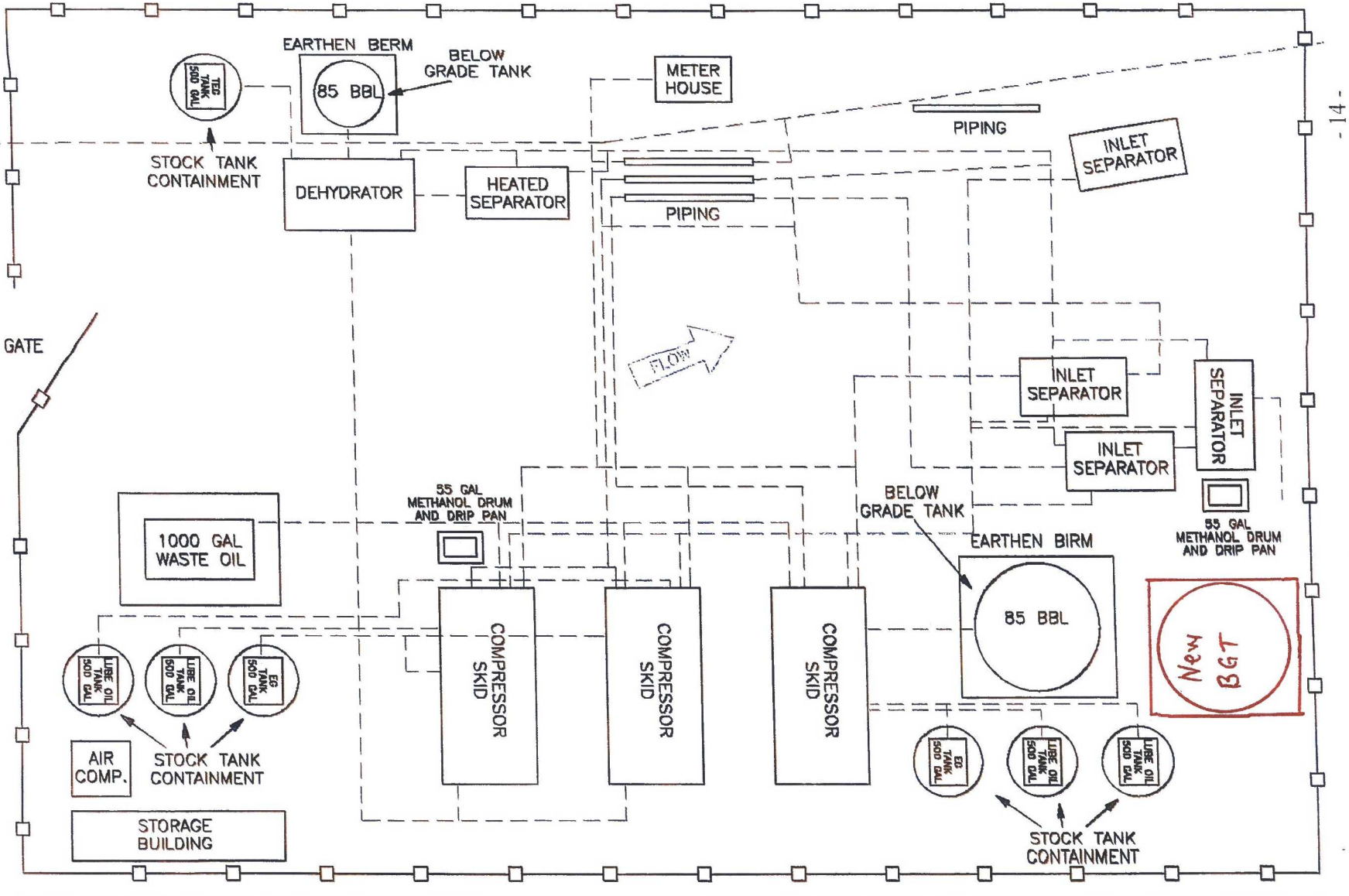
Beeline Gas Systems - Buena Suerte Compressor Station

Location Map - Approximately 20 miles SW of Bloomfield, San Juan County, NM

APPENDIX B


Canyon
Carson Trading Post
Sewage Ponds
Site
Magnetic Declination
11° E
SCALE 1:24000
1000 YARDS
1 MILES
1 KILOMETER

APPENDIX C



APPENDIX D

ANNUAL FACILITY INSPECTION REPORT CHECKLIST

Date:_____ Time:_____ Inspector:_____

X = Satisfactory
0 = Repair or adjustment necessary
C = See Comments
NA = Not applicable

Drainage & Secondary Containment

_____ No oil sheen or run-of from containment

_____ No oil sheen in containment area

_____ Berm walls intact and at design height

_____ No standing water in containment area

Tanks and Containers

_____ Tanks and drums inspected for leaks

_____ Tanks and drums inspected for corrosion

_____ Hoses, fittings and valves inspected for leaks

Security

_____ Entrance gate locked and secure

_____ Tank outlets secure

Remarks/Comments:_____