

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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to
appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Nadel & Gussman Permian, LLC

Telephone: 432-682-4429

e-mail address: kemm@naguss.com

Address: 601 N. Marienfeld, Suite 508, Midland, Texas 79701

Facility or well name: Artemis Federal Com. No. 2

API #: 3001534391

U/L or Qtr/Qtr Lot L

Sec 33

T22S

R28E

County: Eddy

Latitude N

Longitude W

NAD: 1927

1983

Surface Owner: Federal ☒ State Private ☐ Indian ☐

SEP 29 2008

OCD-ARTESIA

Pit

Type: Drilling ☒ Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined ☒ Unlined ☐

Liner type: Synthetic ☒ Thickness: 12ml HDPE liner Clay ☐

Pit Volume: 2400 bbl Approximately

Below-grade tank N/A

Volume: N/A bbl Type of fluid: N/A

Construction material: N/A

Double-walled, with leak detection? ☐ If not, explain why not.

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of groundwater.)

Less than 50 feet

(20 points)

50 feet or more, but less than 100 feet

(10 points)

10pts.

100 feet or more

(0 points)

Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)

Yes

(20 points)

No

(0 points)

0pts.

Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet

(20 points)

200 feet or more, but less than 1000 feet

(10 points)

10pts.

1000 feet or more

(0 points)

Ranking Score (Total Points)

20pts.

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: onsite deep bury pit If offsite, name of facility: (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface ft. and attach sample results.

(5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: THIS IS AN AMENDED C-144 TO PRESENT GROUNDWATER DEPTH INVESTIGATION IN THE AREA OF POTENTIAL DISPOSAL. GROUNDWATER DEPTH AT 70 FEET. WATER SAMPLE TAKEN SHOWS HIGH CHLORIDES AND WILL NOT PROVIDE POTABLE RESOURCE PREDICATED ON PRIMARY OR SECONDARY EPA WATER QUALITY STANDARDS.

PIT CLOSED AUGUST 2007

EXCESSIVE SALT STRINGERS IN AREA - NMOCD AUTHORIZED CLOSURE BASED ON NATURAL CONDITIONS

SAMPLE ANALYTICALS ATTACHED

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines X, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 25 August 2006

Printed Name/Title: Kem McCready, Operations Engineer

Signature: Kem McCready

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title

Accepted for record
NMOCD

Signature

Date:

SEP 29 2008



Report Date: May 19, 2006
Artemis Fed Com #2

Work Order: 6051805
Bore H2O Sample

Page Number: 1 of 1

Summary Report

Cheryl Winkler
Nade Gussman Permain LLC
Cheryl Winkler
2408 Freeman
Artesia, NM, 88210

Report Date: May 19, 2006

Work Order: 6051805



Project Name: Bore H2O Sample
Project Number: Artemis Fed Com #2

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
90617	Artemis #2 Bore Hole	water	2006-05-17	13:00	2006-05-18

Sample: 90617 - Artemis #2 Bore Hole

Param	Flag	Result	Units	RL
Dissolved Calcium		456	mg/L	0.500
Dissolved Potassium		23.7	mg/L	1.00
Dissolved Magnesium		127	mg/L	1.00
Dissolved Sodium		373	mg/L	1.00
Chloride		731	mg/L	0.500

Report Date: May 23, 2006
Artemis Fed Com #2

Work Order: 6051805
Bore H2O Sample

Page Number: 1 of 1

Summary Report

Cheryl Winkler
Nade Gussman Permain LLC
Cheryl Winkler
2408 Freeman
Artesia, NM, 88210

Report Date: May 23, 2006

Work Order: 6051805



Project Name: Bore H2O Sample
Project Number: Artemis Fed Com #2

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
90617	Artemis #2 Bore Hole	water	2006-05-17	13:00	2006-05-18

Sample: 90617 - Artemis #2 Bore Hole

Param	Flag	Result	Units	RL
Total Dissolved Solids		3360	mg/L	10.00

Report Date: June 26, 2006
Artemis Federal Com N0.2

Work Order: 6062316

Page Number: 1 of 1
Insitu Pit Bottom Comp.No. 2

Summary Report

Cheryl Winkler
Nade Gussman Permain LLC
Cheryl Winkler
2408 Freeman
Artesia, NM, 88210

Report Date: June 26, 2006

Work Order: 6062316



Project Location: Insitu Pit Bottom Comp.No. 2
Project Number: Artemis Federal Com N0.2

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
93577	Insitu Pit Bottom Comp	soil	2006-06-22	12:51	2006-06-23

Sample: 93577 - Insitu Pit Bottom Comp

Param	Flag	Result	Units	RL
Chloride		16000	mg/Kg	1.00

Summary Report

Cheryl Winkler
Nade Gussman Permain LLC
Cheryl Winkler
2408 Freeman
Artesia, NM, 88210

Report Date: June 28, 2006

Work Order: 6062712



Project Location: Insitu Pit Bottom Comp.No. 2
Project Number: Artemis Federal Com N0.2

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
93759	Pit Center 18'-20' deep	soil	2006-06-26	12:00	2006-06-27
93760	E. Wall Bottom 18'-20' deep	soil	2006-06-26	11:40	2006-06-27
93761	W. Wall Bottom 18'-20' deep	soil	2006-06-26	12:10	2006-06-27
93762	N. Wall Bottom 18'-20' deep	soil	2006-06-26	12:30	2006-06-27
93763	S. Wall Bottom 18'-20' deep	soil	2006-06-26	13:00	2006-06-27
93764	E. Background	soil	2006-06-26	13:10	2006-06-27
93765	N. Background	soil	2006-06-26	13:20	2006-06-27
93766	S. Background	soil	2006-06-26	13:50	2006-06-27

Sample: 93759 - Pit Center 18'-20' deep

Param	Flag	Result	Units	RL
Chloride		1850	mg/Kg	1.00

Sample: 93760 - E. Wall Bottom 18'-20' deep

Param	Flag	Result	Units	RL
Chloride		15500	mg/Kg	1.00

Sample: 93761 - W. Wall Bottom 18'-20' deep

Param	Flag	Result	Units	RL
Chloride		755	mg/Kg	1.00

Sample: 93762 - N. Wall Bottom 18'-20' deep

Param	Flag	Result	Units	RL
Chloride		2410	mg/Kg	1.00

Sample: 93763 - S. Wall Bottom 18'-20' deep

Param	Flag	Result	Units	RL
Chloride		2340	mg/Kg	1.00

Sample: 93764 - E. Background

Param	Flag	Result	Units	RL
Chloride		142	mg/Kg	1.00

Sample: 93765 - N. Background

Param	Flag	Result	Units	RL
Chloride		80.5	mg/Kg	1.00

Sample: 93766 - S. Background

Param	Flag	Result	Units	RL
Chloride		3050	mg/Kg	1.00

Summary Report

Cheryl Winkler
Nadel & Gussman Permain LLC
Cheryl Winkler
2408 Freeman
Artesia, NM, 88210

Report Date: July 25, 2006

Work Order: 6072402



Project Number: Artemis Fed Com #2

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
96198	North Cell Comp	soil	2006-07-22	13:20	2006-07-24
96199	Mid-EW	soil	2006-07-22	13:40	2006-07-24

Sample: 96198 - North Cell Comp

Param	Flag	Result	Units	RL
Chloride		405	mg/Kg	1.00

Sample: 96199 - Mid-EW

Param	Flag	Result	Units	RL
Chloride		1370	mg/Kg	1.00