

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
March 12, 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: Manana Gas Inc. Telephone: 505-856-1084 e-mail address: _____
Address: 1002 Tramway Lane NE, Albuquerque, NM 87122
City or well name: Annie B 001 API#: 3004522683 U/L or Qtr/Qtr SE/SW Sec 13 T 30N R 12W
County: San Juan Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☐ State ☐ Private ☒
Indian ☐

Separator Type: Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Volume _____ bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. _____	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet Yes	(20 points) 20
	50 feet or more, but less than 100 feet	(10 points)
	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 Yes	(20 points) 20
	No	(0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet Yes	(20 points) 20
	200 feet or more, but less than 1000 feet	(10 points)
	1000 feet or more	(0 points)
Ranking Score (Total Points)		>19

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: site ☐ offsite ☒ If offsite, name of facility Industrial Ecosystems Inc. Soil Reclamation Center. (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 8 ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

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 and will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Authorized Name/Title: As authorized agent for Manana Gas Inc. John Hagstrom, Environmental Technician

Signature: [Signature]

My 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: SEP - 7 2004

Approved Name/Title: DEPUTY OIL & GAS INSPECTOR, DIST. 43

Signature: [Signature]



August 18, 2004

SMA Project: 5114769

RE: Closure and Remedial Activities for Pit Closure at the Manana Gas Location Annie B. Unit N, Sec. 13, T 30N, R 12W, San Juan County NM.

The excavation of the separator pit began on July 5, 2004 and ended on July 7, 2004. The final excavation dimensions were approximately 45 feet long by 25 feet wide by 10 feet deep. Groundwater was encountered at approximately 8 feet BGS. Sidewalls were sampled at approximately 3 feet BGS, and a 4-point composite sample was constructed for laboratory analysis. The pit bottom was sampled in 5 places. A 5-point composite sample was constructed for laboratory analysis. Both sidewall and pit bottom soil samples were analyzed by Method 8015B for DRO/GRO, and 8021B for Volatiles. The sidewall composite showed hydrocarbon contaminants below reporting limits (ND). The Pit bottom composite also showed hydrocarbon contaminant levels below reporting limits (ND).

On July 13, 2004 a groundwater sample was collected for laboratory analysis by Methods 8021B, 300.0, 7470, and 6010C. All hydrocarbon contaminant levels are below NMOCD closure limits. The Chloride level was at 61 ppm, while mercury was ND. All recoverable metals were ND except for Barium, which showed a level of 0.17 ppm,. Approximately 420 cy were removed and transported to the Industrial Ecosystems Landfarm. For safety reasons the pit has been backfilled using clean native soils. See site sketch for sample points.

Respectfully submitted,

John Hagstrom
Environmental Technician
Souder, Miller and Associates

Tel. (505) 325-5667

Fax (505) 327-1496

P. O. BOX 2606 • FARMINGTON, NM 87499

-TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT-

Hall Environmental Analysis Laboratory

Date: 16-Jul-04

CLIENT: iina ba, Ltd Client Sample ID: 0407014-001A
Lab Order: 0407082 ANNIE B SIDEWALL Tag Number:
Project: 0407014 Collection Date: 7/7/2004 9:20:00 AM
Lab ID: 0407082-01A 4PT COMP @ 3FT BGS Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/14/2004 5:06:01 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/14/2004 5:06:01 PM
Surr: DNOP	85.1	60-124		%REC	1	7/14/2004 5:06:01 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2004 3:53:30 PM
Surr: BFB	101	74-118		%REC	1	7/14/2004 3:53:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2004 3:53:30 PM
Toluene	ND	0.025		mg/Kg	1	7/14/2004 3:53:30 PM
Ethylbenzene	ND	0.025		mg/Kg	1	7/14/2004 3:53:30 PM
Xylenes, Total	ND	0.025		mg/Kg	1	7/14/2004 3:53:30 PM
Surr: 4-Bromofluorobenzene	98.0	74-118		%REC	1	7/14/2004 3:53:30 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 16-Jul-04

CLIENT:	iina ba, Ltd	Client Sample ID:	0407014-002A	
Lab Order:	0407082	ANNIE B PIT BOTOM	Tag Number:	
Project:	0407014	5PT COMP @ 10FT BGS	Collection Date:	7/7/2004
Lab ID:	0407082-02A	Matrix:	SOIL	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/14/2004 5:37:58 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/14/2004 5:37:58 PM
Surr: DNOP	82.4	60-124		%REC	1	7/14/2004 5:37:58 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2004 4:25:27 PM
Surr: BFB	102	74-118		%REC	1	7/14/2004 4:25:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2004 4:25:27 PM
Toluene	ND	0.025		mg/Kg	1	7/14/2004 4:25:27 PM
Ethylbenzene	ND	0.025		mg/Kg	1	7/14/2004 4:25:27 PM
Xylenes, Total	ND	0.025		mg/Kg	1	7/14/2004 4:25:27 PM
Surr: 4-Bromofluorobenzene	101	74-118		%REC	1	7/14/2004 4:25:27 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 29-Jul-04

CLIENT: iina ba, Ltd**Client Sample ID:** 0407032-001A**Lab Order:** 0407138**Tag Number:****Project:** 0407032**Collection Date:** 7/13/2004 10:00:00 AM**Lab ID:** 0407138-01A**ANNIE B****Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	7/20/2004 10:09:42 PM
Benzene	ND	0.50		µg/L	1	7/20/2004 10:09:42 PM
Toluene	ND	0.50		µg/L	1	7/20/2004 10:09:42 PM
Ethylbenzene	0.56	0.50		µg/L	1	7/20/2004 10:09:42 PM
Xylenes, Total	1.7	0.50		µg/L	1	7/20/2004 10:09:42 PM
Sum: 4-Bromofluorobenzene	109	74-118		%REC	1	7/20/2004 10:09:42 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 29-Jul-04

CLIENT: iina ba, Ltd

Client Sample ID: 0407032-001B

Lab Order: 0407138

Tag Number:

Project: 0407032

Collection Date: 7/13/2004 10:00:00 AM

Lab ID: 0407138-01B

ANNIE B

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						
Chloride	61	5.0		mg/L	50	Analyst: MAP 7/19/2004 11:39:11 AM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 29-Jul-04

CLIENT: iina ba, Ltd**Client Sample ID:** 0407032-001C**Lab Order:** 0407138**Tag Number:****Project:** 0407032**Collection Date:** 7/13/2004 10:00:00 AM**Lab ID:** 0407138-01C **ANNIE B****Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7470: MERCURY						
Mercury	ND	0.00020		mg/L	1	Analyst: IC 7/23/2004
EPA 6010C: TOTAL RECOVERABLE METALS						
Arsenic	ND	0.020		mg/L	1	Analyst: NMO 7/21/2004 8:13:08 AM
Barium	0.17	0.020		mg/L	1	7/20/2004 2:02:44 PM
Cadmium	ND	0.0020		mg/L	1	7/20/2004 2:02:44 PM
Chromium	ND	0.0080		mg/L	1	7/20/2004 2:02:44 PM
Lead	ND	0.0050		mg/L	1	7/20/2004 2:02:44 PM
Selenium	ND	0.050		mg/L	1	7/21/2004 8:13:08 AM
Silver	ND	0.0050		mg/L	1	7/29/2004 9:05:36 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

SUBJECT ANNIE B

PROJECT 5114769

PAGE 1

CLIENT MINNANA GAS

DATE 7/7/04

BY JPH

CHECKED

BY

