

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 NMOC 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: M & G DRILLING COMPANY Telephone: 505-327-4573 e-mail address: mpippin@ddbroadband.net

Address: c/o Agent - Mike Pippin LLC, 3104 N. Sullivan, Farmington, NM 87401

Facility or well name: MARRON 23 #3 API #: 30-045-32008 U/L or Qtr/Qtr C Sec 23 T 27N R 8W

County: San Juan Latitude 36 34' 19" N Longitude 107 39' 39" W NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit

Type: Drilling ☒ Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined ☒ Unlined ☐

Liner type: Synthetic ☐ Thickness 12 mil Clay ☐ Volume

11,428 bbl

Below-grade tank

Volume: bbl Type of fluid:

Construction material:

Double-walled, with leak detection? Yes ☐ 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 (20 points)
50 feet or more, but less than 100 feet X (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 X (20 points)
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 (20 points)
200 feet or more, but less than 1000 feet X (10 points)
1000 feet or more (0 points)

Ranking Score (Total Points)

40

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 ☒ offsite ☐ 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.

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 NMOC guidelines ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

Date: 8/5/04

Printed Name/Title Mike Pippin - Agent - Petroleum Engineer Signature Mike Pippin

Your certification and NMOC 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.

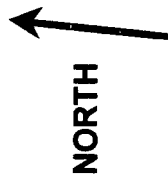
Approval: AUG - 6 2004

Date:

Printed Name/Title Denny Fort Signature Denny Fort

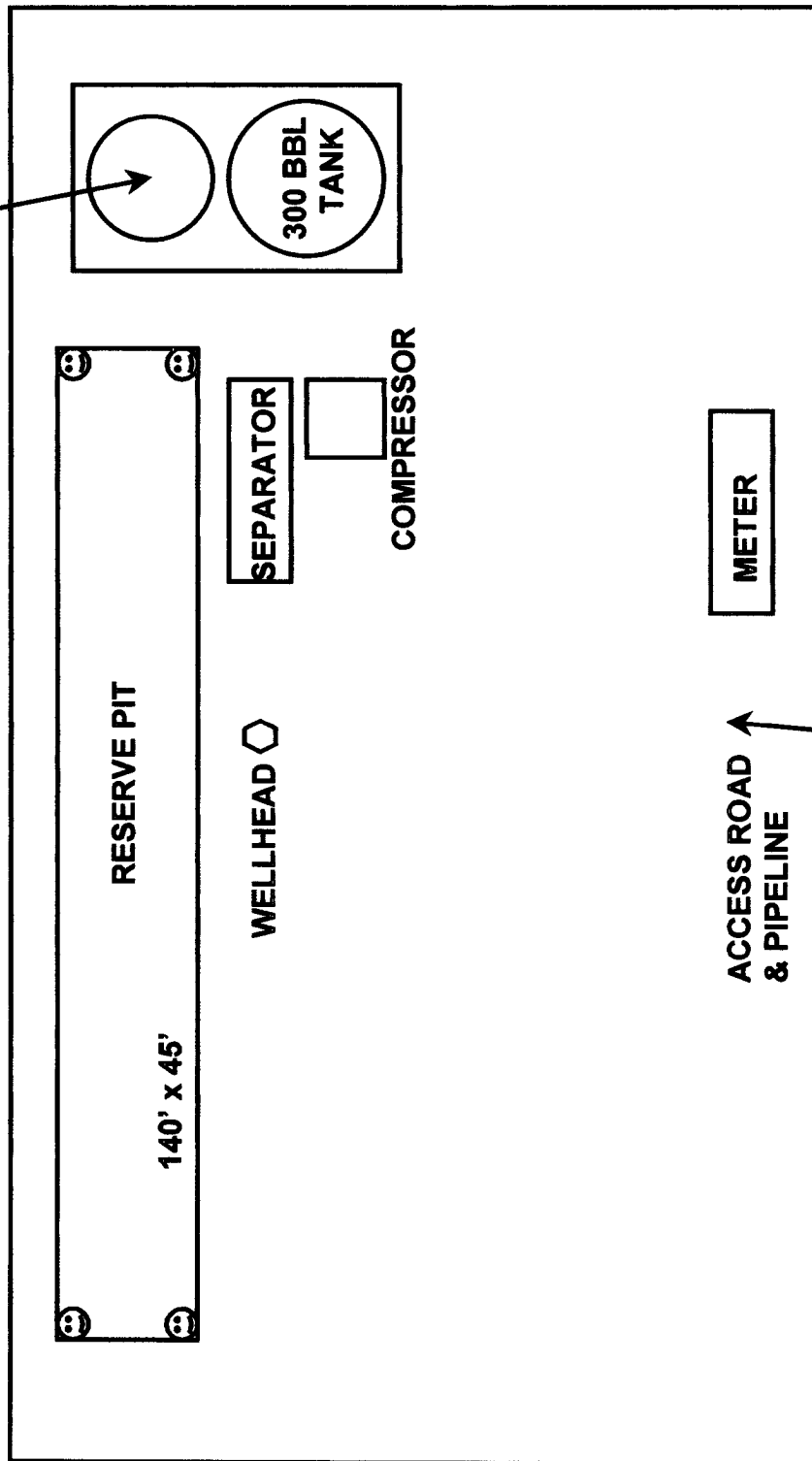
DEPUTY OIL & GAS INSPECTOR, DIST. 

M&G DRILLING
MARRON #23-3 MV/DK
C SEC. 23 T27N R8W
SAN JUAN COUNTY, NM



8/5/04 P.M. PIPPIN

95 BBL STEEL
SUB-GRADE PIT



METER

ACCESS ROAD
& PIPELINE

☺ SAMPLE LOCATIONS

M & G DRILLING COMPANY
c/o Mike Pippin LLC
3104 N. Sullivan
Farmington, NM 87401
(505) 327-4573

8/5/04

GENERAL DESCRIPTION OF DRILL PIT CLOSING
Marron 23 #3 MV C 23 27 8

1. Take samples of mud/cuttings from the 4 corners of pit. 6/8/04
2. Obtain chemical analysis of pit cuttings. 6/15/04
3. Remove the fencing around the drilling pit.
at direction of BLM personnel onsite 8/5/04
4. Cut liner off at mud level and haul off to disposal facility.
5. Using track-hoe, mix mud in pit with dry soil & lightly cover pit with soil.
6. Re-fence pit & let set for 2 to 3 days.
7. Remove the fencing around the drilling pit.
8. Using track-hoe, mix any soft spots & cover pit with dry soil.
9. Lay back slopes & all disturbed areas.
10. Disc area & re-seed with BLM mix.
11. Complete on 7/29/04.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	M & G Drilling	Project #:	04033-001
Sample ID:	Marron 23 #3	Date Reported:	06-10-04
Laboratory Number:	28988	Date Sampled:	06-08-04
Chain of Custody:	12262	Date Received:	06-09-04
Sample Matrix:	Soil	Date Analyzed:	06-10-04
Preservative:	Cool	Date Digested:	06-09-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.015	0.001	5.0
Barium	0.761	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.001	0.001	5.0
Lead	0.001	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.006	0.001	1.0
Silver	ND	0.001	5.0

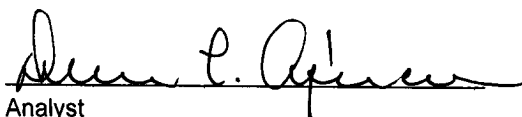
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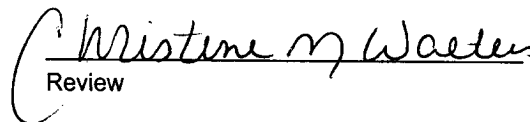
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, August 24, 1998.

Comments: **Reserve Pits.**


Analyst


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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	M & G Drilling	Project #:	04033-001
Sample ID:	Marron 23 #3	Date Reported:	06-10-04
Laboratory Number:	28988	Date Sampled:	06-08-04
Chain of Custody:	12262	Date Received:	06-09-04
Sample Matrix:	Soil	Date Analyzed:	06-09-04
Preservative:	Cool	Date Extracted:	06-09-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	3.1	1.8
Toluene	5.2	1.7
Ethylbenzene	26.8	1.5
p,m-Xylene	11.9	2.2
o-Xylene	12.1	1.0
Total BTEX	59.1	

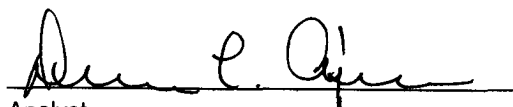
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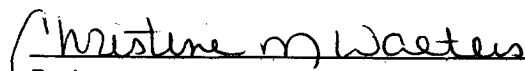
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Reserve Pit.


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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

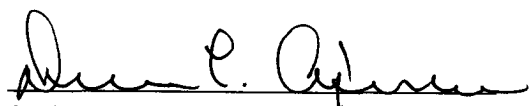
Client:	M & G Drilling	Project #:	04033-001
Sample ID:	Marron 23 #3	Date Reported:	06-10-04
Laboratory Number:	28988	Date Sampled:	06-08-04
Chain of Custody No:	12262	Date Received:	06-09-04
Sample Matrix:	Soil	Date Extracted:	06-09-04
Preservative:	Cool	Date Analyzed:	06-09-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

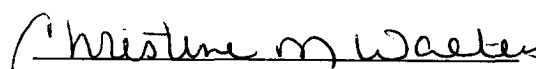
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Reserve Pits.**


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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

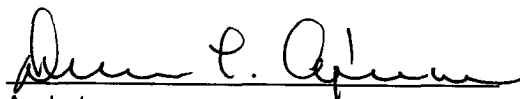
EC, SAR, ESP, CI Analysis

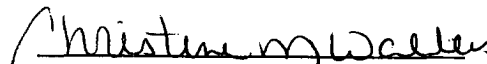
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Sample ID:	Marron 23 #3	Date Reported:	06-10-04
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Chain of Custody:	12262	Date Received:	06-09-04
Sample Matrix:	Soil	Date Extracted:	06-09-04
Preservative:	Cool	Date Analyzed:	06-10-04
Condition:	Cool & Intact		

Parameter	Analytical Result	Units
Conductivity @ 25° C	15.9	mmhos/cm
Calcium	1,210	mg/Kg
Magnesium	<0.01	mg/Kg
Sodium	2,140	mg/Kg
Sodium Absorption Ratio (SAR)	24.0	ratio
Exchangeable Sodium Percent (ESP)	25.3	percent
Chloride	5,160	mg/Kg

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.

Comments: **Reserve Pits.**


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