

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

Form C-144
June 1, 2004

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

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: PEOPLES ENERGY PRODUCTION-TEXAS, LP Telephone: 713-890-3651 e-mail address: dsumrall@pecorp.com

Address: 909 Fannin Suite 1300 Houston, Tx 77010

Facility or well name: GARDNER C 4A API #: 30-045-32055 U/L or Qtr/Qtr: SE/NW Sec 25 T32N R9W

County: San Juan Latitude 36°57'30" Longitude 107°44'07" NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit

Type: Drilling ☒ Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined ☒ Unlined ☐

Liner type: Synthetic ☒ Thickness 8 mil Clay ☐

Pit Volume 1100 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	(10 points)
100 feet or more X	(0 points)

Vellhead 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 X	(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	(10 points)
1000 feet or more X	(0 points)

Ranking Score (Total Points) 0 Points

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: (check the onsite box if you are burying in place) 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.

Additional Comments:

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

Date: 8/30/04

Printed Name/Title DIANNE SUMRALL / Pres-Bgs Cons Signature Dianne Sumrall

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: DEPUTY OIL & GAS INSPECTOR, DIST. #9

Printed Name/Title

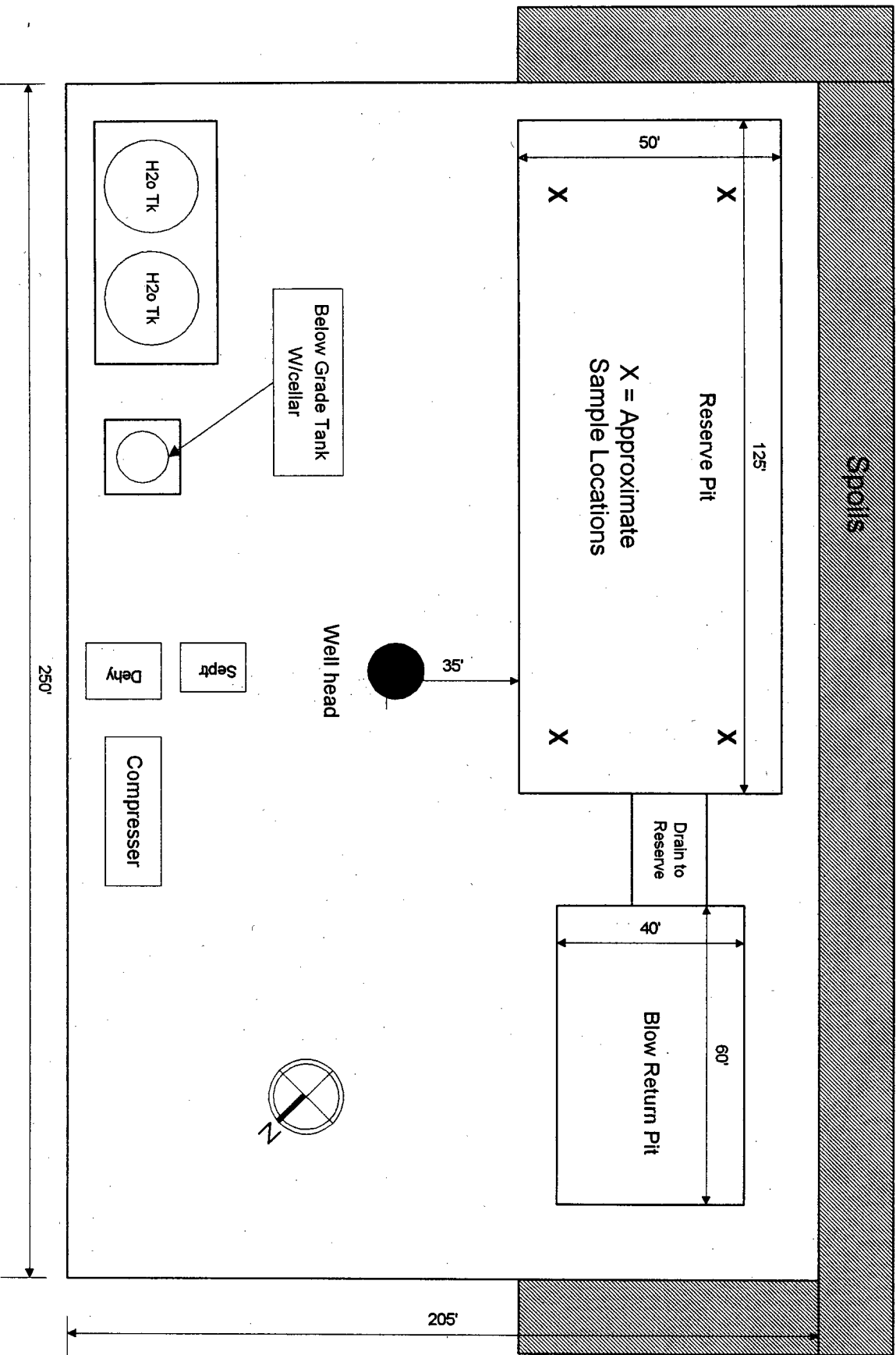
Signature

Denny Felt

Date:

SEP - 2 2004

PEOPLES ENERGY PRODUCTION
GARDNER C 4A
SE/NW S25, T32N, R9W 1625' FNL & 1490' FWL
ELEVATION 6687



Not to Scale

PEOPLES ENERGY PROD. – TX, LP
DISCRIPTION OF REMEDIAL ACTION TO
CLOSE RESERVE PIT.

Well Name: Gardner C 4A

Location of Well: SE/NW S25, T32N, R9W (F) 1625' FNL & 1490' FWL

Lease Serial No.: NM013642

API Well No. 30-045-32055

Remedial Action;

- Sample and analyze reserve pit. (See attached ENVIROTECH lab results.)
- Cut 8 mil liner off at mud line.
- Fill in reserve pit with on site spoils free of trash and other materials.
- Back fill pit in 3' lifts. Walk down each lift with dozer or loader.
- The reserve pit will be backfilled, leveled and contoured so as to prevent any materials from being carried into the watershed. Upon the completion of backfilling, the area will be reseeded with the appropriate seed mixture as specified by the BLM. The seed mix for this project is above 10" of precipitation.
- All trash including pit liner will be hauled away to an approved landfill.

Remediation date: 9/1/04 thru 9/30/04

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

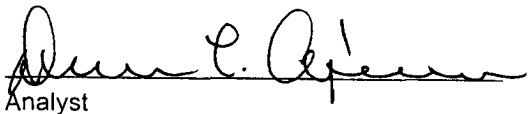
Client:	Peoples Energy	Project #:	04042-002
Sample ID:	Gardner C4A	Date Reported:	08-17-04
Laboratory Number:	30039	Date Sampled:	08-13-04
Chain of Custody No:	12754	Date Received:	08-13-04
Sample Matrix:	Mud	Date Extracted:	08-16-04
Preservative:	Cool	Date Analyzed:	08-17-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	15.3	0.2
Diesel Range (C10 - C28)	122	0.1
Total Petroleum Hydrocarbons	137	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: **Arkansas Loop.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Peoples Energy	Project #:	04042-002
Sample ID:	Gardner C4A	Date Reported:	08-17-04
Laboratory Number:	30039	Date Sampled:	08-13-04
Chain of Custody:	12754	Date Received:	08-13-04
Sample Matrix:	Mud	Date Analyzed:	08-17-04
Preservative:	Cool	Date Extracted:	08-16-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	ND	2.2
o-Xylene	ND	1.0
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

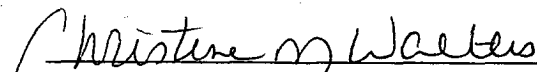
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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: Arkansas Loop.


Analyst


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Client:	Peoples Energy	Project #:	04042-002
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Laboratory Number:	30039	Date Sampled:	08-13-04
Chain of Custody:	12754	Date Received:	08-13-04
Sample Matrix:	Mud	Date Analyzed:	08-17-04
Preservative:	Cool	Date Digested:	08-16-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.003	0.001	5.0
Barium	0.174	0.001	100
Cadmium	ND	0.001	1.0
Chromium	ND	0.001	5.0
Lead	0.001	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.001	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

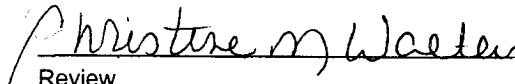
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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: **Arkansas Loop.**


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

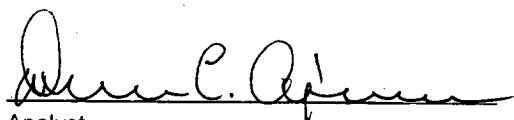
EC, SAR, ESP, Cl Analysis

Client:	Peoples Energy	Project #:	04042-002
Sample ID:	Gardner C4A	Date Reported:	08-17-04
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Chain of Custody:	12754	Date Received:	08-13-04
Sample Matrix:	Mud	Date Extracted:	08-16-04
Preservative:	Cool	Date Analyzed:	08-17-04
Condition:	Cool & Intact		

Parameter	Analytical Result	Units
Conductivity @ 25° C	13.850	mmhos/cm
Calcium	14.4	mg/Kg
Magnesium	<0.01	mg/Kg
Sodium	1,900	mg/Kg
Sodium Absorption Ratio (SAR)	138	ratio
Exchangeable Sodium Percent (ESP)	66.6	percent
Chloride	1,180	mg/Kg

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

Comments: Arkansas Loop.


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