

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: <u>Bold Energy LP</u> Telephone: <u>432-686-1100</u> e-mail address: _____		
Address: <u>415 W. Wall St. 500</u> <u>Midland Texas 79701</u>		
Facility or well name: <u>Buffalo #4</u>	API #: <u>30-025-01661</u>	U/L or Qtr/Qtr _____ Sec <u>4</u> T <u>19</u> R <u>233E</u>
County: <u>Lea</u>	Latitude: <u>32° 41' -28.9" N</u>	Longitude: <u>103° 39' 41.9" W</u> NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/>
Surface Owner Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
Pit <u>elew 3727</u>		
Type Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type Synthetic <input type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Pit Volume <u>1500</u> bbl		
Below-grade tank		
Volume _____ bbl Type of fluid: _____ Construction material: <u>N/A</u> 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.) <u>285' bgs</u>	Less than 50 feet	(20 points)
	50 feet or more, but less than 100 feet	(10 points)
	100 feet or more	(0 points) <u>0</u>
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) <u>0</u>
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	(0 points) <u>0</u>
Ranking Score (Total Points)		<u>0</u>

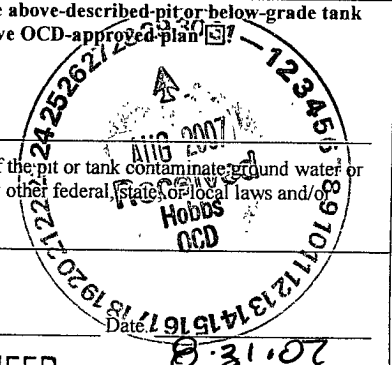
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial 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:
<u>See attached work plan</u>

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: _____	Printed Name/Title: <u>Danny Manley</u> <u>Prod. Supt.</u>	Signature: <u>[Signature]</u>
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:	Signature: <u>[Signature]</u>	
Printed Name/Title: _____	Date: <u>2013.8</u>	

ENVIRONMENTAL ENGINEER





PHOENIX ENVIRONMENTAL LLC

P.O. Box 1856

2113 French Dr.

Hobbs, NM 88241-1856

Office 505-391-9685

Fax 505-391-9687

August 6, 2007

Bold Energy, LP
415 W. Wall, Ste. 500
Midland, Texas 79701

Attn: Mr. Shannon Klier
Operations Engineering Manager

**RE: Work Plan and Cost to Clean Up the Buffalo Fed #4 Located in Sec 4,
T19S and R33E of Lea County, New Mexico**

Dear Mr. Klier:

Phoenix Environmental, LLC (Phoenix) would like to take this time to thank you and Bold Energy, for the opportunity to provide our professional services. Please find attached our work plan and cost for the above listed site.

If you have any questions and/or need more data in regards to projects please call at any time. My cell phone is 505-631-8323.

Sincerely


Reynaldo Garza
Sr. Project Manager
Phoenix Environmental LLC



Summary/Overview

The Buffalo Fed #4 site should be completed and remediated in accordance with the standards of the NMOCD. It is our understanding that any potential contamination from the site was a result of activities associated with the drilling and production of oil and gas.

The potential contaminants of concern are mid to high-level concentrations of old drilling mud, cuttings hydrocarbons and produced water.

The lands primary use is domestic pasture for ranching and the production of oil and gas.

The ground water depth data available for this area showed the depth to ground water to be in the 285' range BGS.

Pursuant to the standards of the NMOCD, the clean up level for this site will be at <5,000ppm of TPH, <50ppm for BTEX and Chlorides less than <250ppm.

The following scope of work was based on data from our site visit with Mr. Jim Amos with the BLM and the requirements of the NMOCD for site clean up.

Scope of Work

NOTE: Phoenix, for the purpose of this work plan, will use the Notice of Written Order from the BLM and the guidelines of the NMOCD for site clean up. (See attached Written Order from the BLM)


1. First Phoenix will call One-Call for line spot clearance before any excavation at the site is started.
2. Phoenix will mobilize to the site located in the Buffalo Fed # 4 area west of the Smith Ranch, equipment and personnel necessary to start and complete the site remediation as required, getting the site back into compliance.
3. The site will be cleared of brush and debris and a staging area set up for site control and safety.

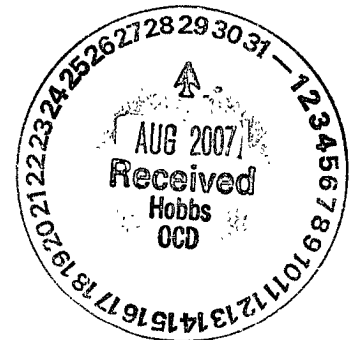


4. Phoenix will start by reducing the size of the old well pad down to ten feet outside the anchors. This material will be used for new berms at the battery and for top cover over the old drilling pit.
5. Phoenix will use some of the sand duns around the site to reconture the old pit area so that there will be three foot of top cover over the old pit area.
6. Based on lab analysis from the area that is just north of the battery, (See lab analysis) the NMOCD is allowing the area to be recontured with three feet of top cover.
7. Phoenix will excavate the small spill area around the load line and stabilize the impacted soils until they are below NMOCD guidelines for site clean up.
8. Once all of the remediation criteria have been met for site closure and compliance, the three sites will be contoured with a slight crown to prevent the ponding of any water and reseeded with BLM #2 seed mix.
9. Once all of the closure criteria have been met, a final closure report will be prepared by Phoenix. This report will include a summary of remediation operations, findings and conclusions, on-site and lab analysis, site maps and project photos.

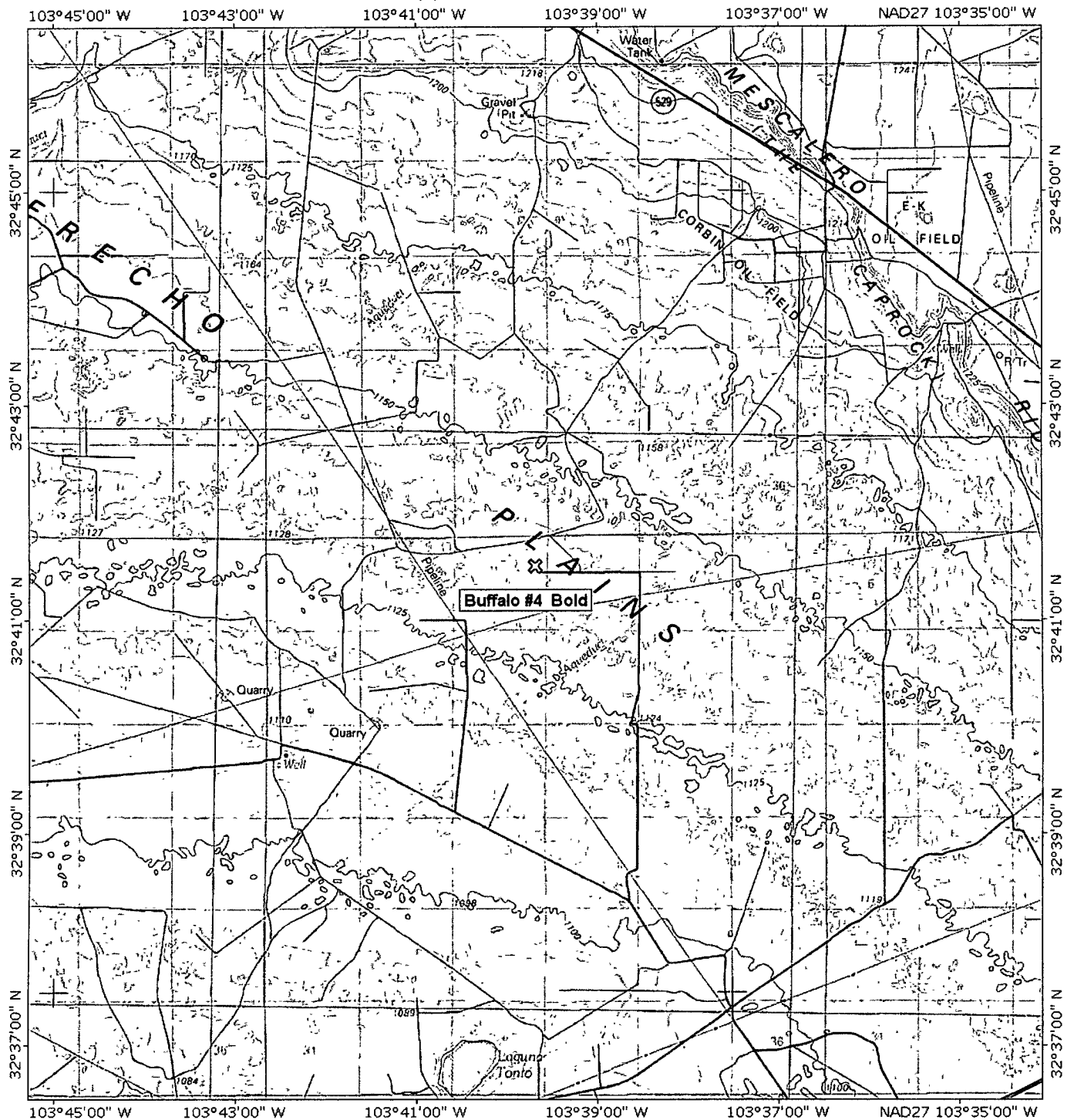
If you have any questions and/or need more data in regards to this project please call 505-631-8323 at any time.

Sincerely,


Reynaldo Garza
Sr. Project Manager
Phoenix Environmental LLC



TOPO! map printed on 08/28/07 from "Untitled.tpo"



TN MN
8 1/2°

00 0.5 1 1.5 2 2.5 3 3.5 miles
0 1 2 3 4 5 km
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