

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: <u>McElvain Oil and Gas</u> Telephone: <u>(505) 327-2679</u> e-mail address: _____		
Address: <u>3001 Northridge Dr., Farmington, New Mexico, 87401</u>		
Facility or well name: <u>Elk Com 10 No. 1B</u>	API #: <u>3003929215</u>	U/L or Qtr/Qtr <u>B</u> Sec <u>10</u> T <u>25N</u> R <u>2W</u>
County: <u>Rio Arriba</u>	Latitude <u>36.417869</u>	Longitude <u>-107.03313</u> NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>		
<b>Pit</b> Type: Drilling <input checked="" type="checkbox"/> Production <input 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"/> Pit Volume <u>10</u> bbl	<b>Below-grade tank</b> 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 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) ( 0 points) 10
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) ( 0 points) 0
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) ( 0 points) 20
<b>Ranking Score (Total Points)</b>		30

**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:
The soils tested clean and no soil remediation was required.

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: 8/5/06

Printed Name/Title Mr. Bob Fielder, Petroleum Engineer Consultant

Signature Robert E. Fielder

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. 3

Printed Name/Title

Signature Bob Fielder

Date: AUG 10 2006

CLIENT: <u>McELWAIN</u>	<b>ENVIROTECH INC.</b> <small>ENVIRONMENTAL SCIENTISTS &amp; ENGINEERS</small> 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	LOCATION NO: _____  C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>Elk Corn 10</u> WELL #: <u>1B</u> PIT: <u>Blow Pit</u> QUAD/UNIT: <u>B</u> SEC: <u>10</u> TWP: <u>25N</u> RNG: <u>2W</u> PM: <u>NM/PM</u> CNTY: <u>Ariz</u> <sup>Rio</sup> <del>Ariz</del> <sup>ST</sup> <del>NM</del> QTR/FOOTAGE: <u>660 FAL</u> <u>1345 FEL</u> CONTRACTOR: _____	DATE STARTED: <u>5/17/06</u> DATE FINISHED: <u>5/17/06</u> ENVIRONMENTAL SPECIALIST: <u>GWC</u>
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EXCAVATION APPROX. <u>0</u> FT. x <u>0</u> FT. x <u>0</u> FT. DEEP.	CUBIC YARDAGE: <u>0</u>	
DISPOSAL FACILITY: <u>N/A</u>	REMEDIALATION METHOD: <u>N/A</u>	
LAND USE: <u>grazing</u>	LEASE: _____	FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 120 FT. 70° FROM WELLHEAD.

DEPTH TO GROUNDWATER: 50-100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: <200

NMOC D RANKING SCORE: 30 NMOC D TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

Two composite samples we collected, one from Blow pit and the other from the interface between the blow pit and reserve pit where a liner problem was identified. Soil from blow pit + interface tested clean, no soil remediation required

CHECK ONE :

☒ PIT ABANDONED

☐ STEEL TANK INSTALLED

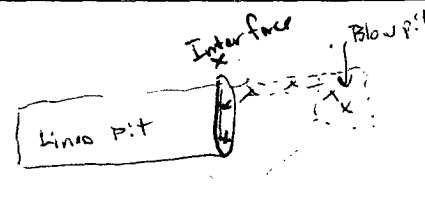
SCALE

0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1457	Composite @ 4' BGS		5.0	20	4	21	84
1515	Interface @ 3' BGS		5.0	20	4	24	24

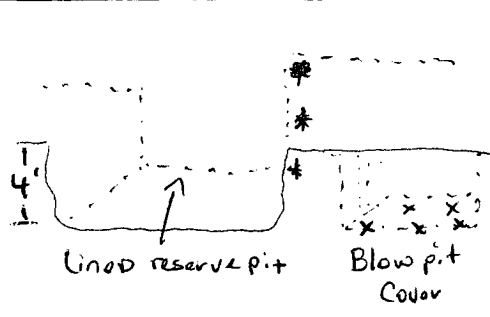
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 Composite	2.0
2 Interface	1.0
3	
4	
5	

PIT PROFILE



LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

x - blow pit sample  
\* - interface sample


TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS


Cal. Date: 17-May-06

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	205
	200	
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

  
Analyst

5/31/06  
Date

  
Review

5/31/06  
Date

**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	McElvain Oil and Gas	Project #:	06039-002-002
Sample No.:	1	Date Reported:	5/31/2006
Sample ID:	Composite sample 4' BGS	Date Sampled:	5/17/2006
Sample Matrix:	Soil	Date Analyzed:	5/17/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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<b>Total Petroleum Hydrocarbons</b>	<b>84</b>	<b>5.0</b>
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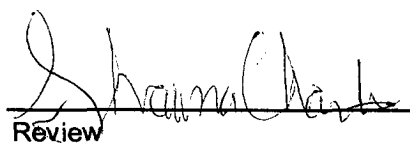
ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of V and Waste, USEPA Storet No. 4551, 1978.

Comments: **Elk Com 10 No. 1B**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

  
Review

**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	McElvain Oil and Gas	Project #:	06039-002-002
Sample No.:	2	Date Reported:	5/31/2006
Sample ID:	Composite sample of Interface	Date Sampled:	5/17/2006
Sample Matrix:	Soil	Date Analyzed:	5/17/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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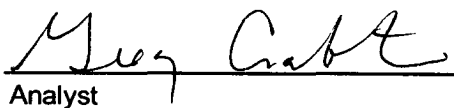
<b>Total Petroleum Hydrocarbons</b>	<b>24</b>	<b>5.0</b>
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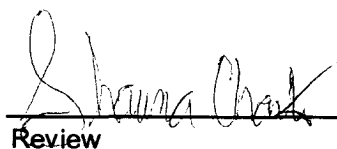
ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of V and Waste, USEPA Storet No. 4551, 1978.

Comments: **Elk Com 10 No. 1B**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

  
Review