

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

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.  
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

2436 Pit, Closed-Loop System, Below-Grade Tank, or  
Proposed Alternative Method Permit or Closure Plan Application

Type of action: ☐ Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method  
☒ Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request

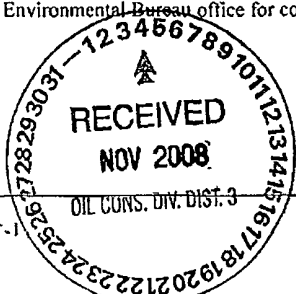
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

Operator: McElvain Oil & Gas Properties, Inc. OGRID #: 22044  
Address: 1050 17<sup>th</sup> Street, Suite 1800  
Facility or well name: Reya #1S Pit permit Approved 5/2/2008 to extend pit to 11/27/2008  
API Number: 30-045-32846 OCD Permit Number:  
U/L or Qtr/Qtr D Section 20 Township 30N Range 13W County: San Juan  
Center of Proposed Design: Latitude 36.80374 N Longitude -108.23437W NAD: ☐ 1927 ☒ 1983  
Surface Owner: ☐ Federal ☒ State ☐ Private ☐ Tribal Trust or Indian Allotment

<input checked="" type="checkbox"/> <b>Pit:</b> Subsection F or G of 19.15.17.11 NMAC Temporary: <input checked="" type="checkbox"/> Drilling <input type="checkbox"/> Workover <input type="checkbox"/> Permanent <input type="checkbox"/> Emergency <input type="checkbox"/> Cavitation <input type="checkbox"/> Steel Pit <input checked="" type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type: Thickness 12 mil <input type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input checked="" type="checkbox"/> Other Woven CD12WB <input type="checkbox"/> String-Reinforced Seams: <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Factory <input type="checkbox"/> Other Volume: 2850 bbl Dimensions: L 80 x W 25 x D 8	<input type="checkbox"/> <b>Closed-loop System:</b> Subsection H of 19.15.17.11 NMAC <input type="checkbox"/> Drying Pad <input type="checkbox"/> Tanks <input type="checkbox"/> Haul-off Bins <input type="checkbox"/> Other <input type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type: Thickness mil <input type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other Seams: <input type="checkbox"/> Welded <input type="checkbox"/> Factory <input type="checkbox"/> Other Volume: bbl yd <sup>3</sup> Dimensions: Length x Width
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<input type="checkbox"/> <b>Below-grade tank:</b> Subsection I of 19.15.17.11 NMAC Volume: bbl Type of fluid: Tank Construction material: <input type="checkbox"/> Secondary containment with leak detection <input type="checkbox"/> Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off <input type="checkbox"/> Visible sidewalls and liner <input type="checkbox"/> Visible sidewalls only <input type="checkbox"/> Other Liner type: Thickness mil <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> <b>Fencing:</b> Subsection D of 19.15.17.11 NMAC <input type="checkbox"/> Chain link, six feet in height, two strands of barbed wire at top <input type="checkbox"/> Four foot height, four strands of barbed wire evenly spaced between one and four feet Four Feet -Hog wire- 1 Strand Barbed Wire - top <input checked="" type="checkbox"/> <b>Netting:</b> Subsection E of 19.15.17.11 NMAC <input type="checkbox"/> Screen <input type="checkbox"/> Netting <input type="checkbox"/> Other <input type="checkbox"/> Monthly inspections <input checked="" type="checkbox"/> <b>Signs:</b> Subsection C of 19.15.17.11 NMAC <input checked="" type="checkbox"/> 12"x24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers <input type="checkbox"/> Signed in compliance with 19.15.3.103 NMAC
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<input type="checkbox"/> <b>Alternative Method:</b> Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	<input checked="" type="checkbox"/> <b>Administrative Approvals and Exceptions:</b> Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: <input type="checkbox"/> Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval. <input type="checkbox"/> Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
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**Siting Criteria (regarding permitting): 19.15.17.10 NMAC**

**Instructions:** The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☒ No

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

(Applies to temporary, emergency, or cavitation pits and below-grade tanks)

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☒ No

☐ NA

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

(Applies to permanent pits)

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☒ No

☐ NA

Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

- Written confirmation or verification from the municipality; Written approval obtained from the municipality

☐ Yes ☒ No

Within 500 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within the area overlying a subsurface mine.

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☒ No

Within an unstable area.

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☒ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☒ No

**Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC**

**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- ☒ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☒ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_ or Permit Number: \_\_\_\_\_

**Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC**

**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Geologic and Hydrogeologic Data (required for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations (required for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

NMAC

☐ Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_

**Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC

**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H<sub>2</sub>S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

**Proposed Closure:** 19.15.17.13 NMAC

Type: ☒ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ Permanent Pit ☐ Below-grade Tank ☐ Closed-loop System ☐ Alternative

Proposed Closure Method: ☒ Waste Excavation and Removal  
☐ Waste Removal (Closed-loop systems only)  
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)  
    ☐ In-place Burial ☐ On-site Trench Burial  
☐ Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

**Siting Criteria (regarding on-site closure methods only):** 19.15.17.10 NMAC

**Instructions:** Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

REYA #15

<b>Waste Excavation and Removal Closure Plan Checklist:</b> (19.15.17.13 NMAG) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.	
<input checked="" type="checkbox"/> Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAG <input checked="" type="checkbox"/> Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection P of 19.15.17.13 NMAG <input checked="" type="checkbox"/> Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) <input checked="" type="checkbox"/> Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAG <input checked="" type="checkbox"/> Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAG <input checked="" type="checkbox"/> Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAG	
<b>Waste Removal Closure For Closed-loop Systems That Utilize Inert-off Blows Only:</b> (19.15.17.13.D NMAG) Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings.	
Disposal Facility Name: <u>JPL Land Farm</u> Disposal Facility Permit Number: <u>NM1-10-B</u>	
<b>On-Site Closure Plan Checklist:</b> (19.15.17.13 NMAG) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.	
<input checked="" type="checkbox"/> Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAG <input checked="" type="checkbox"/> Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAG <input checked="" type="checkbox"/> Construction and Design of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAG <input checked="" type="checkbox"/> Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAG <input checked="" type="checkbox"/> Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection P of 19.15.17.13 NMAG <input checked="" type="checkbox"/> Waste Material Sampling Plan - based upon the appropriate requirements of Subsection P of 19.15.17.13 NMAG <input checked="" type="checkbox"/> Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved) <input checked="" type="checkbox"/> Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAG <input checked="" type="checkbox"/> Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAG <input checked="" type="checkbox"/> Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAG	
<b>Operator Application Certification:</b> I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.	
Name (Print): <u>Deborah K Powell</u> Title: <u>Engineering Tech Supervisor</u>	
Signature: <u>[Signature]</u> Date: <u>7/15/2008</u> re-10/31/2008	
e-mail address: <u>DebbyP@McElvain.com</u> Telephone: <u>303-893-0933</u>	
OCD Approval: <input type="checkbox"/> Permit Application (including closure plan) <input checked="" type="checkbox"/> Closure (non-combustible) <u>[Signature]</u> Approval Date: <u>11-10-08</u>	
OCD Representative Signature: <u>[Signature]</u> Title: <u>Compliance Officer</u>	
Title: <u>Enviro Spec</u> OCD Permit Number: <u>                    </u>	
<b>Closure Report (required within 60 days of closure completion):</b> Subsection K of 19.15.17.13 NMAG	
<input checked="" type="checkbox"/> Closure Completion Date: <u>12-2-08</u>	
<b>Closure Method:</b> <input checked="" type="checkbox"/> Waste Excavation and Removal <input type="checkbox"/> On-Site Closure Method <input type="checkbox"/> Alternative Closure Method <input type="checkbox"/> If different from approved plan, please explain.	
<b>Closure Report Attachment Checklist:</b> Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.	
<input checked="" type="checkbox"/> Proof of Closure Notice <input checked="" type="checkbox"/> Proof of Deed Notice (if applicable) <input checked="" type="checkbox"/> Plot Plan <input checked="" type="checkbox"/> Confirmation Sampling Analytical Results <input checked="" type="checkbox"/> Waste Material Sampling Analytical Results <input checked="" type="checkbox"/> Disposal Facility Name and Permit Number <input checked="" type="checkbox"/> Soil Backfilling and Cover Installation <input checked="" type="checkbox"/> Re-vegetation Application Rates and Seeding Technique <input checked="" type="checkbox"/> Site Reclamation (Photo Documentation) On-site Closure Location: Latitude <u>36.80386</u> Longitude <u>-108.23503</u> NAD: <input type="checkbox"/> 1927 <input checked="" type="checkbox"/> 1983	
<b>Operator Closure Certification:</b> I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.	
Name (Print): <u>Deborah Powell</u> Title: <u>Eng Tech Supervisor</u>	
Signature: <u>[Signature]</u> Date: <u>1-29-09</u>	
e-mail address: <u>DebbyP@McElvain.com</u> Telephone: <u>303-893-0933</u>	

**McELVAIN OIL & GAS PROPERTIES, INC.**

1050 17th Street, Suite 1800  
Denver, CO 80265

October 30, 2008

**VIA CERTIFIED MAIL- RETURN RECEIPT REQUESTED**  
**7000-1670-0008-8577-2411**

City of Farmington  
800 Municipal Drive  
Farmington, NM 87401

Attn: Community Development Dept.

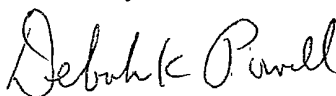
RE: Reya #1S  
NWNW Sec 20 T30N R13W  
San Juan County, New Mexico

Dear Landowner,

Pursuant to paragraph 1 (b) of subsection F of 19.15.17.13 NMAC, an operator shall provide the surface owner of the operator's proposal to close the temporary pit on-site in compliance with the dig and haul closure methods specified in the same subsection of the NMAC. In compliance of this requirement, please consider this notification of McElvain's intent to close the temporary pit on the above referenced location.

If you have any questions please contact Ron Millet @ 303-893-0933  
ex 375.

Sincerely



Deborah Powell  
Engineering Tech Supervi

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to

City of Farmington  
800 Municipal Drive  
Farmington, NM 87401-2663

2. Article Number

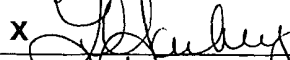
(Transfer from service label)

7000 1670 0008 8577 2411

PS Form 3811, February 2004

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X 

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1?

If YES, enter delivery address below

☐ Yes

☐ No

3. Service Type

☐ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

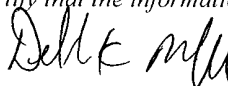
☐ C O D

4. Restricted Delivery? (Extra Fee)

☐ Yes

Domestic Return Receipt

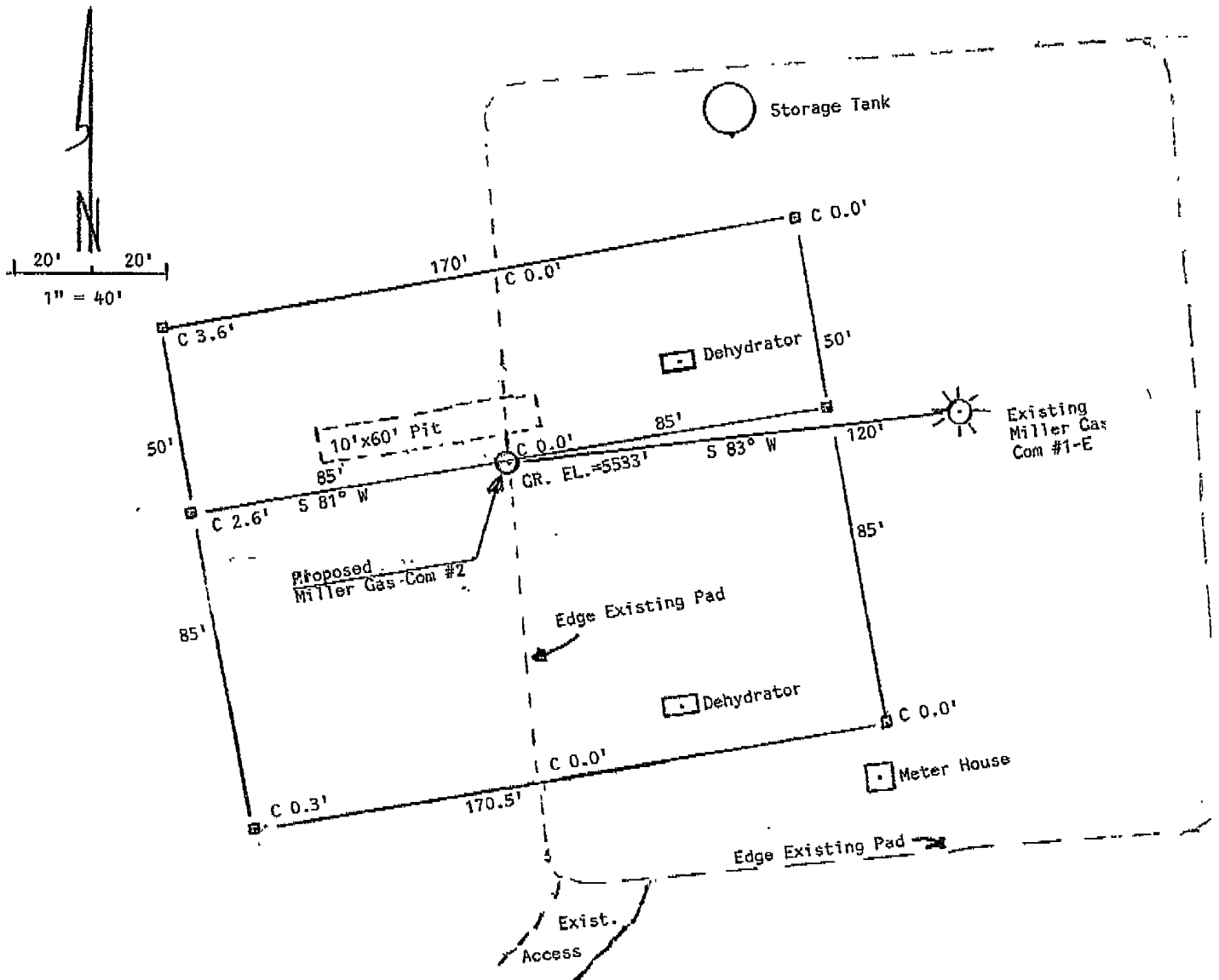
102595-02-M-15A

Submit To Appropriate District Office Two Copies <b>District I</b> 1625 N. French Dr. Hobbs NM 88240 <b>District II</b> 1301 W. Grand Avenue, Artesia NM 88210 <b>District III</b> 1000 Rio Brazos Rd., Aztec NM 87410 <b>District IV</b> 1220 S. St. Francis Dr., Santa Fe, NM 87505		<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b>  <b>Oil Conservation Division</b> <b>1220 South St. Francis Dr.</b> <b>Santa Fe, NM 87505</b>			<b>Form C-105</b> July 17, 2008		
		1 WELL API NO 30-045-33846					
		2 Type of Lease <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> FFD/INDIAN					
		3 State Oil & Gas Lease No					
<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>							
4 Reason for filing  <input type="checkbox"/> <b>COMPLETION REPORT</b> (Fill in boxes #1 through #31 for State and Fee wells only)  <input checked="" type="checkbox"/> <b>C-144 CLOSURE ATTACHMENT</b> (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33, attach this and the plat to the C-144 closure report in accordance with 19 15 17 13 K NMAC)				5 Lease Name or Unit Agreement Name Reya  6 Well Number 1S			
7 Type of Completion <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DFFPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER							
8 Name of Operator McElvain Oil & Gas Properties, Inc				9 OGRID 22044			
10 Address of Operator 1050 17 <sup>th</sup> Street, Suite 1800, Denver, Co 80265				11 Pool name or Wildcat Fulcher Kutz Pictured Cliffs			
12 Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	
Surface:							
BH:							
13 Date Spudded	14 Date T D Reached	15 Date Rig Released 11/27/2007		16 Date Completed (Ready to Produce)		17 Elevations (D <sub>1</sub> and RKB R1, GR, etc )	
18 Total Measured Depth of Well		19 Plug Back Measured Depth		20 Was Directional Survey Made?		21 Type Electric and Other Logs Run	
22 Producing Interval(s) of this completion - Top Bottom, Name							
<b>23 CASING RECORD (Report all strings set in well)</b>							
CASING SIZE		WEIGHT LB /FT		DEPTH SET		AMOUNT PULLED	
<b>24 LINER RECORD</b>				<b>25 TUBING RECORD</b>			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	
26 Perforation record (interval, size and number)				27 ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC DEPTH INTERVAL    AMOUNT AND KIND MATERIAL USED			
<b>28 PRODUCTION</b>							
Date First Production		Production Method (Flow mg, gas lift, pumping - Size and type pump)			Well Status (Prod or Shut-in)		
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl	
Flow Tubing Press	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - (Corr)	
29 Disposition of Gas (Sold, used for fuel, vented, etc)					30 Test Witnessed By		
31 List Attachments							
32 If a temporary pit was used at the well, attach a plat with the location of the temporary pit Attached							
33 If an on-site burial was used at the well, report the exact location of the on-site burial							
		Latitude		Longitude		NAD 1927 1983	
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief							
Signature 		Printed Name		Title		Date	
E-mail Address DebbyP@McElvain.com		Deborah K Powell		Eng Tech Supervisor		1/28/2009	

# REYA 15

840' F/NL 720' F/WL  
Section 20, T-30-N, R-13-W, N.M.P.M.  
San Juan County, New Mexico

December 27, 2004



Envirotech  
5796 US Hwy 64  
Farmington, NM 87401  
Phone: 505-632-0615  
Fax: 505-632-1865

# ENVIROTECH INC.

**RECEIVED**

**NOV 05 2008**

**McELVAIN OIL & GAS  
PROPERTIES INC.**

To:  
McElvain Oil & Gas Prop Inc.  
PO Box 5610  
Farmington, NM 87499-5610

## Invoice

Invoice Number: 21927  
Job: 06039-0015  
DATE: October 20, 2008

Reya #1S- Drill Pit sampling

Ordered by Mr. Art Merrick

Project Manager: Kyle Kerr

<u>Employee</u>	<u>Staff Type</u>	<u>Description</u>	<u>Units</u>		<u>Rate</u>	<u>Total</u>
<b>09/04/2008</b>						
<b>Labor</b>						
James McDaniel	Staff Engineer/Scientst	Prepare for Reya	0.25	Hrs	59.50	14.88
<b>Labor Total:</b>			<b>0.25</b>			<b>14.88</b>
<b>09/04/2008 Total:</b>			<b>0.25</b>			<b>14.88</b>
<b>09/05/2008</b>						
<b>Labor</b>						
James McDaniel	Staff Engineer/Scientist	Sampling	1.00	Hrs	59.50	59.50
<b>Labor Total:</b>			<b>1.00</b>			<b>59.50</b>
<b>Equipment</b>						
(941) : Support Vehicle		J. McDaniel-Sampling	1.00	Hours	15.00	15.00
<b>Equipment Total:</b>			<b>1.00</b>			<b>15.00</b>
<b>Material &amp; Supplies</b>						
		Ballor	1.00	day	15.00	15.00
		GPS - Global Positioning Sat	1.00	day	25.00	25.00
		Environmental Field Supplies	1.00	ea	25.00	25.00
<b>Material &amp; Supplies Total:</b>			<b>3.00</b>			<b>65.00</b>
<b>09/05/2008 Total:</b>			<b>5.00</b>			<b>139.50</b>
<b>09/15/2008</b>						
<b>Lab</b>						
		COC 5227	1.00	ea	15.00	15.00
Total Chloride Analysis		COC 5227	1.00	ea	74.00	74.00
USEPA 418.1 TPH		COC 5227	1.00	ea	80.00	80.00



Invoice # 21927 Job # 06039-0015

<u>Employee</u>	<u>Staff Type</u>	<u>Description</u>	<u>Units</u>	<u>Rate</u>	<u>Total</u>
USEPA 8015 TPH		COC 5227	1.00 ea	80.00	80.00
USEPA 8021 BTEX					
<b>Lab Total:</b>			<b>4.00</b>		<b>249.00</b>
<b>2008-09-15 Total:</b>			<b>4.00</b>		<b>249.00</b>

09/18/2008

**Labor**

Roxana Pringle	Administrator	Drill Pit Sampling Report	0.75 Hrs	55.00	41.25
<b>Labor Total:</b>			<b>0.75</b>		<b>41.25</b>
<b>09/18/2008 Total:</b>			<b>0.75</b>		<b>41.25</b>

09/19/2008

**Labor**

Greg Crabtree	Project Engineer/Scientist	Review Drill Sampling Rpt	0.25 Hrs	69.00	17.25
<b>Labor Total:</b>			<b>0.25</b>		<b>17.25</b>
<b>09/19/2008 Total:</b>			<b>0.25</b>		<b>17.25</b>

10/07/2008

**Labor**

Kyle Kerr	Sr. Engineer/Scientist	Review & approve report	0.25 Hrs	89.00	22.25
<b>Labor Total:</b>			<b>0.25</b>		<b>22.25</b>
<b>10/07/2008 Total:</b>			<b>0.25</b>		<b>22.25</b>

10/08/2008

**Labor**

Roxana Pringle	Administrator	Proof,edit,copy report	0.25 Hrs	55.00	13.75
<b>Labor Total:</b>			<b>0.25</b>		<b>13.75</b>
<b>10/08/2008 Total:</b>			<b>0.25</b>		<b>13.75</b>

Equipment Fuel Surcharge (22%)

3.30

**RECEIVED**

NOV 05 2008

GELVAIN OIL & GAS  
PROPERTIES INC.

Invoice Sub-total

Sales Tax

Code: 5610

OCT 28 2008

Approved: WAM

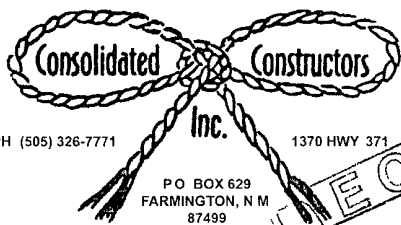
501.18

31.01

**\$532.19**

*All invoices are due upon receipt. A late charge of 1.5% will be added to any unpaid balance after 30 days.*

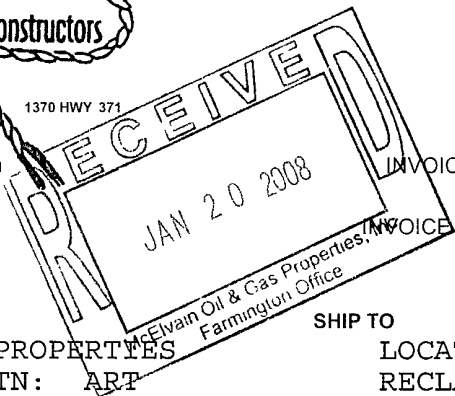
*This may not be the final bill - if charges are received after this invoice has been mailed, you will receive a separate invoice for those costs.*



# invoice

**RECEIVED**

**JAN 28 2009**



INVOICE NO

34127

INVOICE DATE

12/31/08

Acct #: 004966

PAGE

1

**SOLD TO**

MCELVAIN OIL & GAS PROPERTIES  
INC.  
P.O. BOX 5610  
FARMINGTON NM 87499-5610

**SHIP TO**

LOCATION: REYALS RESERVE PITS  
RECLAIM PIT  
CCI JOB NO. 012004-18048

P.O. #:  
JOB #: 012004

Terms: NET 30

Shipped by: CCI TRUCKS

ITEM	ORDER	SHIP	DESCRIPTION	PRICE	AMOUNT
			LOCATION: REYALS RESERVE PITS		
	1.00	1.00	LS - MOBILIZE EQUIPMENT TO LOCATION	2372.5000	2372.50
			DIG OUT RESERVE PIT, HAULED TO LAND		
			FARM. DISPOSE OF PIT LINER WHEN PIT		
			PASSES TEST AND COVER PIT		
<p>Code: 5015</p> <p>JAN 26 2009</p> <p>Approved: WAM</p>					

\* - Denotes items which are not taxed.

Subtotal 2372.50

Tax 146.80

=====

Total Due 2519.30

YOU MAY NOW PAY THIS INVOICE BY CREDIT CARD - PLEASE CALL (505) 326-7771

Term: Due Upon Receipt Interest of 1 1/2% / Month may be applied.



January 21, 2009

Project No. 06039-0020

Mr. Art Merrick  
McElvain Oil & Gas Properties, Inc.  
P.O. Box 5610  
Farmington, New Mexico 87499

Phone: (505) 327-2679

**RE: REYA #1S DRILL PIT CLOSURE SAMPLING RESULTS**

Dear Mr. Merrick,

Enclosed please find the field notes and laboratory analyses for the drill pit closure activities performed at the Reya #1S well site located in Section 20, Township 30N, Range 13W, San Juan County, New Mexico. Prior to Envirotech's arrival, the drill pit had been excavated to approximately 74' x 17' x 9.5' deep. A five-point composite sample was collected from the bottom of the drill pit. The five-point composite sample was analyzed in the field for total petroleum hydrocarbons (TPH) via USEPA Method 418.1 and for chlorides. Additionally, the five-point composite sample was collected into a four (4) ounce glass jar, capped headspace free, and transported on ice under chain of custody to Envirotech's laboratory to be analyzed for total chlorides via USEPA Method 4500, for benzene and BTEX via USEPA Method 8021, and GRO/DRO via USEPA Method 8015, see enclosed *Analytical Results*. The sample returned results below the New Mexico Oil Conservation Division (NMOCD) regulatory standards determined for this site at 83.9 ppm TPH, 165 ppm chlorides, 0.0014 ppm benzene, 0.0265 ppm total BTEX, and 2.2 ppm DRO/GRO. Envirotech, Inc. recommends no further action is required.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,  
**ENVIROTECH, INC.**

Greg Crabtree  
Environmental Engineer  
[gcrabtree@envirotech-inc.com](mailto:gcrabtree@envirotech-inc.com)

Enclosure: Field Notes  
Analytical Results

Cc: Client File No. 06039

PAGE NO: <u>1</u> OF <u>1</u>	<b>ENVIROTECH INC</b> ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	ENVIRONMENTAL SPECIALIST: <u>SPUT</u> LAT: <u>36.80374°</u> LONG: <u>108.23437</u>
DATE STARTED: <u>12/3/08</u>		
DATE FINISHED: <u>12/3/08</u>		

### FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION: NAME: <u>R-110</u>	WELL #: <u>15</u>	TEMP PIT: <u>X</u>	PERMANENT PIT: <u></u>	BGT: <u>L</u>
LEGAL ADD: UNIT: <u></u>	SEC: <u>20</u>	TWP: <u>30N</u>	RNG: <u>13W</u>	PM: <u>NM PM</u>
QTR/FOOTAGE: <u>820' FNL + 720' FNL</u>	CNTY: <u>SAN JUAN</u>	ST: <u>NM</u>		
EXCAVATION APPROX: <u>74'</u> FT. X <u>17'</u> FT. X <u>9.5'</u> FT. DEEP	CUBIC YARDAGE: <u></u>			
DISPOSAL FACILITY: <u></u>	REMEDIAL METHOD: <u></u>			
LAND OWNER: <u></u>	APE: <u>30046.328410</u>		BGT / PIT VOLUME: <u>74' X 17' X 9.5'</u>	
CONSTRUCTION MATERIAL: <u></u>	DOUBLE-WALLED, WITH LEAK DETECTION: <u></u>			
LOCATION APPROXIMATELY: <u>93'</u> FT. <u>20'</u>	FROM WELLHEAD			
DEPTH TO GROUNDWATER: <u>50-100</u>				

☒ TEMPORARY PIT - GROUNDWATER 50-100 FEET DEEP

BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 500 mg/kg

☐ TEMPORARY PIT - GROUNDWATER ≥ 100 FEET DEEP

BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 1000 mg/kg

☐ PERMANENT PIT OR BGT

BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, TPH (418.1) ≤ 100 mg/kg, CHLORIDES ≤ 250 mg/kg

#### FIELD 418.1 ANALYSIS

TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (mg/kg)
<u>8:55</u>	<u>200 STD</u>					<u>244</u>	
<u>9:08</u>	<u>5pt Comp</u>	<u>1</u>	<u>5</u>	<u>30</u>	<u>14</u>	<u>4</u>	<u>160</u>
		<u>2</u>					
		<u>3</u>					
		<u>4</u>					
		<u>5</u>					
		<u>6</u>					

#### PERIMETER

#### FIELD CHLORIDES RESULTS

#### PROFILE

	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th><th>READING</th><th>CALC. (mg/kg)</th></tr> </thead> <tbody> <tr> <td><u>5pt Comp</u></td><td></td><td><u>160</u></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> </tbody> </table>	SAMPLE ID	READING	CALC. (mg/kg)	<u>5pt Comp</u>		<u>160</u>																						<p style="font-size: 1.5em; font-weight: bold;">74' X 17' X 9.5'</p>
SAMPLE ID	READING	CALC. (mg/kg)																											
<u>5pt Comp</u>		<u>160</u>																											
<b>PID RESULTS</b>																													
SAMPLE ID	RESULTS (mg/kg)																												
<u>5pt Comp</u>	<u>0.4</u>																												

#### LAB SAMPLES

SAMPLE ID	ANALYSIS	RESULTS
	BENZENE	<u>0.0013</u>
	BTEX	<u>0.020</u>
	GRO & DRO	<u>2.2</u>
	CHLORIDES	<u>165</u>

#### NOTES:

WORKORDER #

WHO ORDERED:



**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client: McElvain Oil & Gas  
Sample No.: 1  
Sample ID: 5 pt comp  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

Project #: 06039-0020  
Date Reported: 12/8/2008  
Date Sampled: 12/3/2008  
Date Analyzed: 12/3/2008  
Analysis Needed: TPH-418.1

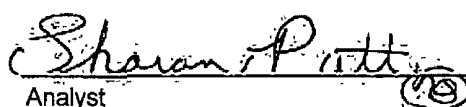
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	16	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: **Reya #1S**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

Sharon Putt  
Printed

  
Review

Sherry Auckland  
Printed



CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Cal. Date: 3-Dec-09

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	244
	200	
	500	
	1000	

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

Sharon Putt  
Analyst (19)

1/13/09  
Date

Sharon Putt  
Print Name

Sherry Auckland  
Review

01/13/09  
Date

Sherry Auckland  
Print Name



## Field Chloride

Client:	McElvain Oil & Gas	Project #:	06039-0020
Sample No.:	1	Date Reported:	12/16/2008
Sample ID:	Composite	Date Sampled:	12/3/2008
Sample Matrix:	Soil	Date Analyzed:	12/3/2008
Preservative:	Cool	Analysis Needed:	Chloride
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Field Chloride	106	27.0

ND = Parameter not detected at the stated detection limit.

References: "Standard Methods for the Examination of Water and Wastewater", 18th ed., 1992  
Hach Company Quantab Titrators for Chloride

Comments: **Reya #1S**

  
Analyst

Sharron Putt  
Printed

  
Review

Sherry Auckland  
Printed



# envirotech

Analytical Laboratory

**EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons**

Client:	McElvain Oil & Gas	Project #:	06039-0020
Sample ID:	5pt Composite	Date Reported:	12-09-08
Laboratory Number:	48367	Date Sampled:	12-03-08
Chain of Custody No:	5847	Date Received:	12-03-08
Sample Matrix:	Soil	Date Extracted:	12-05-08
Preservative:	Cool	Date Analyzed:	12-08-08
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	2.2	0.1
Total Petroleum Hydrocarbons	2.2	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: **Reya #1S.**

Analyst

Review





# envirotech

## Analytical Laboratory

EPA Method 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons

### Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-08-08 QA/QC	Date Reported:	12-09-08
Laboratory Number:	48367	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-08-08
Condition:	N/A	Analysis Requested:	TPH

	Cal Date	Cal RF	Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	9.9611E+002	9.9651E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0111E+003	1.0115E+003	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	2.2	2.1	4.5%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	246	98.4%	75 - 125%
Diesel Range C10 - C28	2.2	250	250	99.2%	75 - 125%

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: QA/QC for Samples 48367 - 48370.

Analyst

Review



# envirotech

## Analytical Laboratory

EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	McElvain Oil & Gas	Project #:	06039-0020
Sample ID:	5pt Composite	Date Reported:	12-09-08
Laboratory Number:	48367	Date Sampled:	12-03-08
Chain of Custody:	5847	Date Received:	12-03-08
Sample Matrix:	Soil	Date Analyzed:	12-08-08
Preservative:	Cool	Date Extracted:	12-05-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1.4	0.9
Toluene	6.8	1.0
Ethylbenzene	2.1	1.0
p,m-Xylene	9.4	1.2
o-Xylene	6.8	0.9
Total BTEX	26.5	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Reya #1S

Analyst

Review



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	12-08-BT QA/QC	Date Reported:	12-09-08
Laboratory Number:	48367	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-08-08
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	H-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
Accept Range 0-15%					
Benzene	1.5966E+006	1.5998E+006	0.2%	ND	0.1
Toluene	1.4872E+006	1.4902E+006	0.2%	ND	0.1
Ethylbenzene	1.4050E+006	1.4078E+006	0.2%	ND	0.1
p,m-Xylene	3.4461E+006	3.4530E+006	0.2%	ND	0.1
o-Xylene	1.4647E+006	1.4677E+006	0.2%	ND	0.1

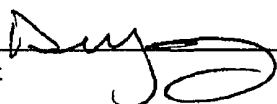
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	1.4	1.3	7.1%	0 - 30%	0.9
Toluene	6.8	6.6	2.9%	0 - 30%	1.0
Ethylbenzene	2.1	1.9	9.5%	0 - 30%	1.0
p,m-Xylene	9.4	9.0	4.3%	0 - 30%	1.2
o-Xylene	6.8	6.6	2.9%	0 - 30%	0.9

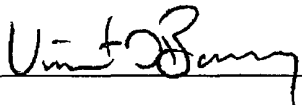
Spike conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	1.4	50.0	49.4	96.1%	39 - 150
Toluene	6.8	50.0	55.5	97.7%	46 - 148
Ethylbenzene	2.1	50.0	50.1	96.2%	32 - 160
p,m-Xylene	9.4	100	104	95.3%	46 - 148
o-Xylene	6.8	50.0	58.8	104%	46 - 148

ND - Parameter not detected at the stated detection limit

References      Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.  
                          Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996

Comments:      QA/QC for Samples 48367 - 48370 and 48392 - 48397.

Analyst 

Review 



**envirotech**  
Analytical Laboratory

**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	McElvain Oil & Gas	Project #:	06039-0020
Sample ID:	5 pt Composite	Date Reported:	12-05-08
Laboratory Number:	48367	Date Sampled:	12-03-08
Chain of Custody No:	5847	Date Received:	12-03-08
Sample Matrix:	Soil	Date Extracted:	12-05-08
Preservative:	Cool	Date Analyzed:	12-05-08
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	83.9	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: **Reya #1S.**

Analyst

Review



**envirotech**  
Analytical Laboratory

**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS  
QUALITY ASSURANCE REPORT**

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	12-09-08
Laboratory Number:	12-05-TPH.QA/QC 48392	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	12-05-08
Preservative:	N/A	Date Extracted:	12-05-08
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	12-03-08	12-05-08	1,590	1,520	4.4%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	31.8

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	83.9	89.0	6.1%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
TPH	83.9	2,000	1,970	94.5%	80 - 120%

ND = Parameter not detected at the stated detection limit.

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

Comments: QA/QC for Samples 48367, 48369 - 48374 and 48392.

Analyst

Review



# envirotech

Analytical Laboratory

Chloride

Client:	McElvain Oil & Gas	Project #:	06039-0020
Sample ID:	5 pt Composite	Date Reported:	12-09-08
Lab ID#:	48367	Date Sampled:	12-03-08
Sample Matrix:	Soil	Date Received:	12-03-08
Preservative:	Cool	Date Analyzed:	12-05-08
Condition:	Intact	Chain of Custody:	5847

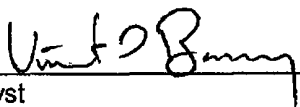
Parameter	Concentration (mg/Kg)
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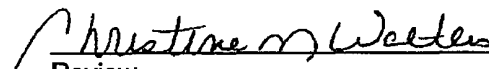
Total Chloride

165

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.  
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Reya #1S.**

  
Analyst

  
Review

# CHAIN OF CUSTODY RECORD

5847

Client: <i>McElvain Oil Gas</i>			Project Name / Location: <i>Reya # 1S</i>				ANALYSIS / PARAMETERS														
Client Address:			Sampler Name: <i>Spitt</i>				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	FCl	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
Client Phone No.:			Client No.: <i>060391-0020</i>																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative HgCl <sub>2</sub> HCl DOO															
<i>Sp. Composite</i>	<i>12/3/08</i>	<i>9:08</i>	<i>48367</i>	<i>(Soil) Solid</i> Sludge Aqueous	<i>1 4oz</i>			<i>X</i>	<i>X</i>	<i>X</i>						<i>X</i>	<i>X</i>			<i>✓</i>	<i>✓</i>
				Soil Solid	Sludge Aqueous																
				Soil Solid	Sludge Aqueous																
				Soil Solid	Sludge Aqueous																
				Soil Solid	Sludge Aqueous																
				Soil Solid	Sludge Aqueous																
				Soil Solid	Sludge Aqueous																
				Soil Solid	Sludge Aqueous																
				Soil Solid	Sludge Aqueous																
				Soil Solid	Sludge Aqueous																
				Soil Solid	Sludge Aqueous																
				Soil Solid	Sludge Aqueous																
Relinquished by: (Signature) <i>Sharon Pratt</i>				Date <i>12/3/08</i>	Time <i>10:45</i>	Received by: (Signature) <i>[Signature]</i>				Date <i>12/3/08</i>	Time <i>1045</i>										
Relinquished by: (Signature)						Received by: (Signature)															
Relinquished by: (Signature)						Received by: (Signature)															

**ENVIROTECH INC.**

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615



Industrial Ecosystems Inc.  
P.O. Box 1202  
Flora Vista, NM 87415  
PH: (505) 632-1782 Fax: (505) 632-1876  
TAX I.D. #94-3200034

RECEIVED

DEC 15 2008

McELVAIN OIL & GAS  
PROPERTIES INC.

Invoice Number: 10557  
Invoice Date: Dec 11, 2008  
Page: 1

PLEASE REMIT PAYMENT TO:  
Industrial Ecosystems, Inc.  
PO Box 1202  
Flora Vista, NM 87415

Sold To: MCELVAIN OIL AND GAS  
1050 17TH ST STE 1800  
DENVER, CO 80265

Location: ART  
REYA #1S

Permit # NB01-00103

Contact	Payment Terms	Due Date	Customer PO
ART	Net 30 Days	1/10/09	

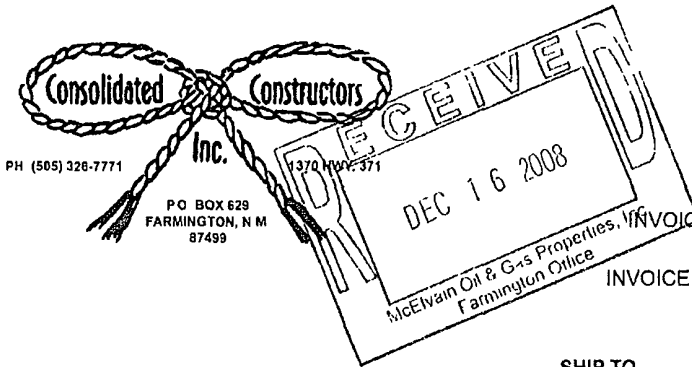
Quantity	Description	Unit Price	Extension												
	DATE OF SERVICE; 12/02/08														
	IEI WO #8374														
	MATERIAL TRANSPORTED BY CONSOLIDATED CONSTRUCT, 1/3/5														
1.00	DISPOSED OF CONTAMINATED SOIL	15.00	15.00												
162.00	CHLORIDE TEST	20.00	3,240.00												
	DISPOSAL PER YARD														
<table><tr><td>Batch</td><td>1208106</td><td>Code</td><td>4015</td></tr><tr><td>Date</td><td>12/17</td><td></td><td>DEC 17 2008</td></tr><tr><td>By</td><td>JP</td><td>Approved:</td><td>RLM</td></tr></table>				Batch	1208106	Code	4015	Date	12/17		DEC 17 2008	By	JP	Approved:	RLM
Batch	1208106	Code	4015												
Date	12/17		DEC 17 2008												
By	JP	Approved:	RLM												

FOR BILLING INQUIRIES PLEASE CALL  
(505) 632-1782

ACCOUNTS ARE DUE NET 30 DAYS. PURCHASER AGREES TO PAY  
FINANCE CHARGES OF 1.5% PER MONTH (ANNUAL PERCENTAGE RATE  
OF 18%) OR A MINIMUM CHARGE OF .50 PER MONTH. ACCOUNTS THAT  
HAVE BEEN PLACED FOR COLLECTION WILL BE CHARGED A \$100.00  
COLLECTION FEE IN ADDITION TO REASONABLE ATTORNEY FEES AND  
COLLECTION CHARGES.

Subtotal	3,255.00
Sales Tax	
Total Invoice Amount	3,255.00
<b>TOTAL</b>	<b>3,255.00</b>





# invoice

PH (505) 326-7771

P.O. BOX 629  
FARMINGTON, N.M.  
87499

INVOICE NO. 33726

INVOICE DATE: 12/10/08

Acct #: 004966

PAGE: 1

**RECEIVED**

**DEC 29 2008**

**SOLD TO**

MCELVAIN OIL & GAS PROPERTIES  
INC.  
P.O. BOX 5610  
FARMINGTON NM 87499-5610

**SHIP TO**

FILL DIRT  
P/U AT CCI PLANT  
12/03/08  
CCI JOB NO. 070078-40048

MCELVAIN OIL & GAS  
PROPERTIES INC.

P.O. #:  
JOB #: 070078

Terms: NET 30

Shipped by: TRUCK #RT

ITEM	ORDER	SHIP	DESCRIPTION	PRICE	AMOUNT
LOCATION: RAYA #19 JAMES					
TICKET NO. 49217	12.46	12.46	TN - FILL DIRT	3.0000	37.38
<p>Code: <u>5015</u></p> <p>DEC 18 2008</p> <p>Approved: WAM</p>					

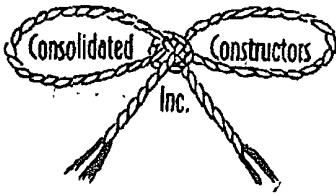
\* - Denotes items which are not taxed.

Subtotal: 37.38

Tax: 2.31

Total Due: 39.69

YOU MAY NOW PAY THIS INVOICE BY CREDIT CARD - PLEASE CALL (505) 326-7771  
Term: Due Upon Receipt Interest of 1 1/2% / Month may be applied.



P.O. BOX 629  
FARMINGTON, N.M. 87499  
PH (505) 326-7771

SOLD TO:

H  
Macavain D.L.

JOB NO.	TRUCK NO.	TONS REQ.	PROD. NO.	PRODUCT DESCRIPTION
	RT		S01	Fill Dirt

PD

Date Time Scale  
Out: 12/03/2000 10:40 1

Transaction No. 49217  
Gross: 47540 lb  
Tare: 32620 lb (H)  
Net: 24920 lb 12.46 ton ACCUMULATED TONS PER JOB

Comments: Poya #15 Tires  
Operator: 1

Charge by Weight

RECEIVED BY:

**McElvain Energy, Inc.**  
1050 – 17<sup>TH</sup> STREET, SUITE 2500  
DENVER, COLORADO 80265

TELEPHONE 303-893-0933 EXT.379  
FAX 303-893-0914  
e-mail [jimm@mcclvain.com](mailto:jimm@mcclvain.com)

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December 30, 2011

RCVD JAN 9 '12

Jonathon D. Kelly  
Compliance Officer  
Oil Conservation Division  
Energy, Minerals & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410

OIL CONS. DIV.  
DIST. 3

Re: McElvain Energy, Inc. C-144 Corrections

Jonathan, in response to your email dated November 03, 2011, Subject: C-144 Corrections, please find appropriate corrections to the following McElvain Energy, Inc. C-144 Applications.

Permit	Well Name	API	Type
1045	Ora #8	30-039-29702	P-BGT
2435	Dewy #1	30-045-34323	C-Temp Pit
2436	Reya #1S	30-045-32846	C-Temp Pit
2437	Reya #2	30-045-34472	C-Temp Pit
4527	Ora #5	30-039-24252	P-BGT

The following summarizes the corrections included in the enclosed documents:

**ORA #8**; Permit #: 1045; 30-039-29702; **(1)** I have signed the C-144. **(2)** Our Hydrogeological Report (included) indicates depth to groundwater at >75' based upon two water well locations: One in the NE/4 of section 22, measured depth to water at 850', ground elevation 7,400'. The second in the SE/4 of section 23, depth to water 75', ground elevation 7,220'. No water well records were located in section 15. Topography accounts for this range of depths to water. The Ora #8 location is at a ground elevation of 7,306', an elevation between that of the two water wells. **(3)** Siting Criteria has been amended to include 19.15.17.10.A.1 citations. **(4)** Lat/Lon is now in decimal format and taken from NMOCD web site. **(5)** The Benzene Test in bullet 7 of closure requirement is now included.

**Dewy #1**; Permit #: 2435; 30-045-34323; **(1)** I have downloaded the approved C-144 with the number 2435 written on it from the NMOCD web site. It does have a signature and **(2)** does include a C-102. I hope this suffices for items **(1)** and **(2)**. **(3)** I have included 2 pictures of the steel pit marker. **(4)** In error we notified Brandon Powell of the NMOCD verbally but now realize that written notification by email 72 hours prior to commencing closure operations is the requirement.

**Reya #1S**; Permit #: 2436; 30-045-32846; **(1)** I have downloaded the approved C-144 with the number 2436 written on it from the NMOCD web site. It does have a signature and **(2)** does include a C-102. I hope this is sufficient for items **(1)** and **(2)**. **(3)** I have included 2 pictures of the steel pit marker. **(4)** In error we notified Brandon Powell of the NMOCD verbally and discussed sampling requirements but now realize that written notification by email 72 hours prior to commencing closure operations is the requirement.

**Reya #2**; Permit #: 2437; 30-045-34472; **(1)** I have downloaded the approved C-144 with the number 2437 written on it from the NMOCD web site. It does have a signature and **(2)** does include a C-102. I hope this suffices for items **(1)** and **(2)**. **(3)** I have included 2 pictures of the steel pit marker. **(4)** In error we notified Brandon Powell of the NMOCD verbally but now realize that written notification by email 72 hours prior to commencing closure operations is the requirement.

**Ora #5**; Permit #: 4527; 30-039-24252; **I want to make it clear that our intention is to permit the existing BGT and not to remove it.** **(1)** I have signed the C-144. **(2)** Our Hydrogeological Report (included) indicates depth to groundwater at >100' based upon two water well locations: One in the NE/4 of section 22, measured depth to water at 850', ground elevation 7,400'. The second in the NE/4 of section 27, depth to water 650', ground elevation 7,370'. No water well records were located in section 21. Topography accounts for this range of depths to water. The Ora #5 location is at a ground elevation of 7,340', an elevation between that of the two water wells. **(3)** Siting Criteria has been amended to include 19.15.17.10.A.1 citations. **(4)** The Benzene Test in bullet 7 of closure requirement is now included. **(5) *You indicated a missing C-141 (Release Notification and Corrective Action Form). We have never had a release of any type on the Ora #5 location.***

Please contact me if you require any further changes to these applications.

Sincerely,

Jim McKinney  
Operations Engineer  
(303) 893-0933, X379  
(720) 227-4550 (Mobile)  
(303) 355-1989 (Home)

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-045-32846	<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name Basin Fruitland Coal
<sup>4</sup> Property Code 36593	<sup>5</sup> Property Name Reya	<sup>6</sup> Well Number IS
<sup>7</sup> OGRID No. 22044	<sup>8</sup> Operator Name McElvain Oil & Gas Properties, Inc.	<sup>9</sup> Elevation 5533

<sup>10</sup> Surface Location

UL or lot no. D	Section 20	Township 30N	Range 13W	Lot Idn	Feet from the 840	North/South line North	Feet from the 720	East/West line West	County San Juan
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<sup>11</sup> Bottom Hole Location If Different From Surface

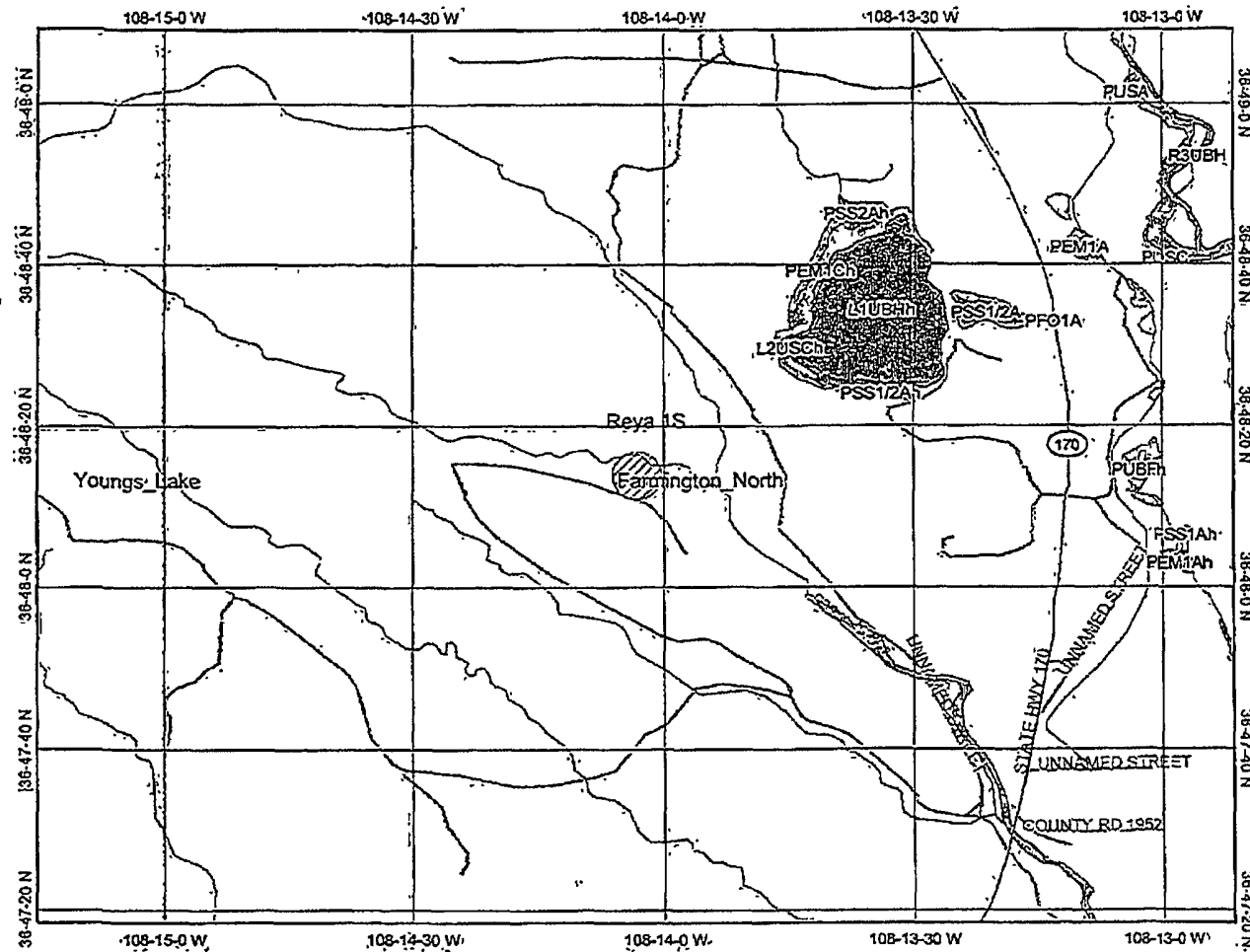
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 320									<sup>13</sup> Joint or Infill Y
<sup>14</sup> Consolidation Code									<sup>15</sup> Order No.
OIL CONS. DIV.									

DIST. 3

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<sup>10</sup>	NMNM09867	FEE	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or released mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  Signature Date 3-11-08 John D. Steuble Printed Name
			<sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 12-27-04 Date of Survey Signature and Seal of Professional Surveyor Original signed by Edgar Risenhoover 5979 Certificate Number

# Reya #1S: NWNW Sec 20, T30N, R13W



## Legend

- Interstate
- Major Roads
- Other Road
- Interstate
- State highway
- US highway
- Roads
- Cities
- USGS Quad Index 24K
- Lower 48 Wetland Polygons
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine
- NHD Streams
- Counties 100K
- South America
- North America



Scale: 1:24,000

Map center: 36° 48' 14" N; 108° 14' 3" W

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Notes: Wetlands data acquired from U.S. Fish and Wildlife - 300 ft radius circle.

