

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: Four Corners Exploration Co. c/o D.J. Simmons, Inc. Telephone: 505 326-3753 e-mail address: rgriffee@djsimmonsinc.com

Address: 1009 Ridgeway Pl. Suite 200, Farmington, New Mexico 87401

Facility or well name: Lybrook #4 API #: 30-039-24022 U/L or Qtr/Qtr K Sec 3 T 23N R 7 W

County: Rio Arriba Latitude 36.25145 Longitude 107.56349 NAD: 1927 ☒ 1983 ☐ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

**Pit**

Type: Drilling ☐ Production ☐ Disposal ☐

Workover ☒ Emergency ☐

Lined ☐ Unlined ☒

Liner type: Synthetic ☐ Thickness        mil Clay ☐

Pit Volume N/A 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

( 0 points) (0)

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) (0)

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) (0)

**Ranking Score (Total Points)**

**(0)**

**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: **One Pit** Lybrook #4 Work over pit.

Lybrook #4 Sample location map for the work over pit

Lybrook #4 Lab analysis for work over pit.

Lybrook #4 Location is outside the define area

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: Oct 13, 2004

Printed Name/ Title: Robert R. Griffiee, Operations Manager Signature Robert R. Griffiee

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:

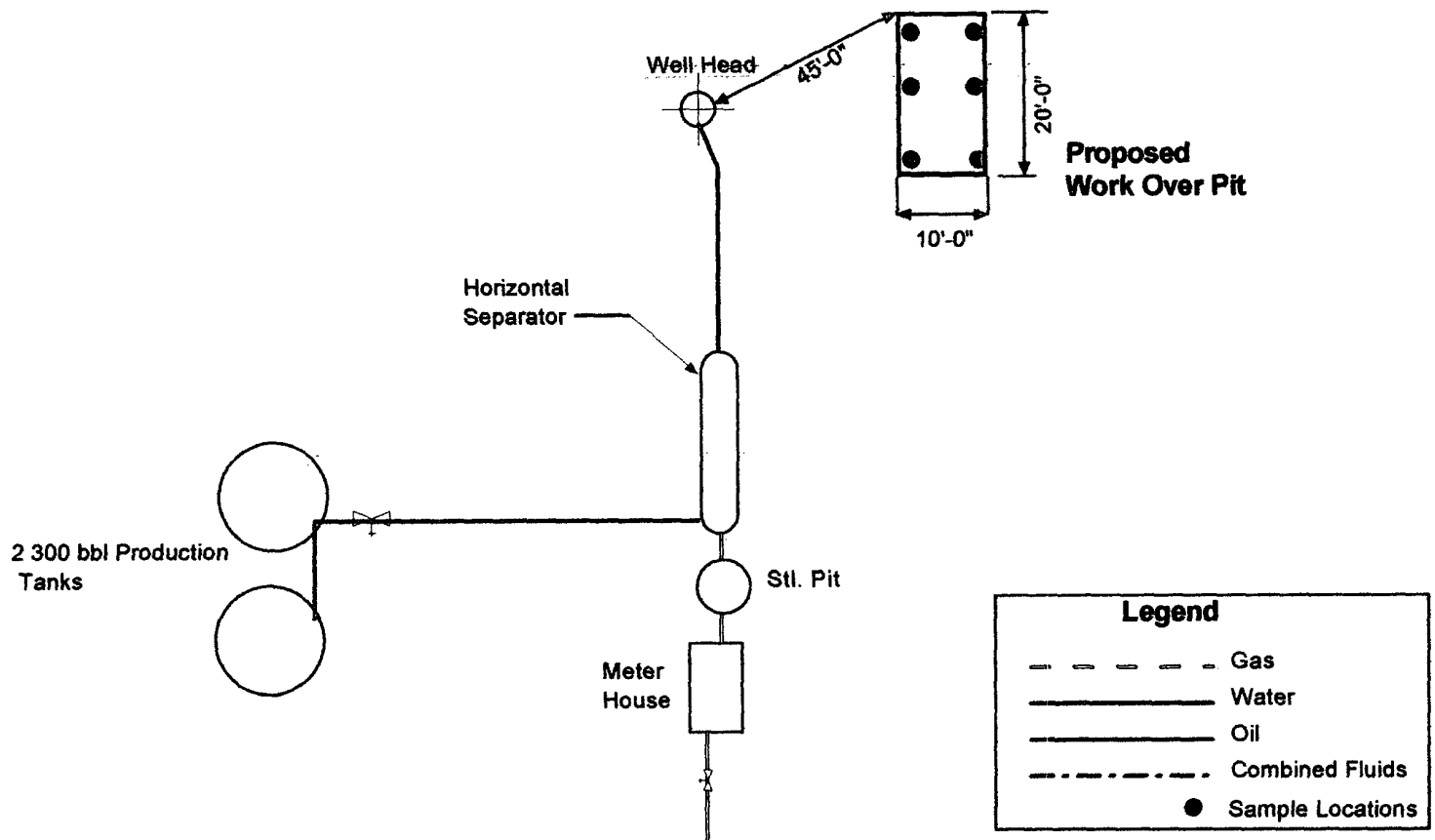
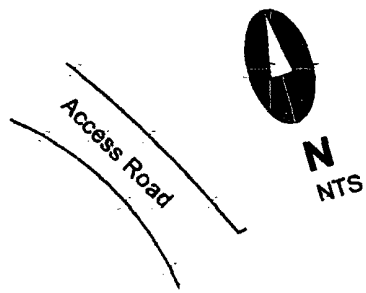
DEPUTY OIL & GAS INSPECTOR, DIST. #8

Printed Name/Title

Signature

Denny Zouf

OCT 14 2004  
Date:



**Four Corners Exploration Co. c/o D.J. Simmons, Inc.**  
 1009 Ridgeway Place, Suite 200, Farmington, New Mexico 87401  
 Telephone 505 326 3753 Fax 505 327 4659

**Pit Closure sample  
 Location Map  
 Lybrook #4**  
 1570' FSL x 2390' FWL  
 Sec 3, T23N, R7W  
 Rio Arriba County, NM  
 Prepared by cds 09/8/04

612 E. Murray Drive  
Farmington, NM 87401

Off: (505) 327-1072  
Fax: (505) 327-1496

*iiná bá*

P.O. Box 3788  
Shiprock, NM 87420

Off: (505) 368-4065

October 06, 2004

Craig Starkey (ext. 14)  
D.J. Simmons Company  
1009 Ridgeway Pl. Suite 200  
Farmington, NM 87401

TEL: (505) 326-3753  
FAX (505) 327-4659

RE: Lybrook #4

Order No.: 0407004

Dear Craig Starkey (ext. 14):

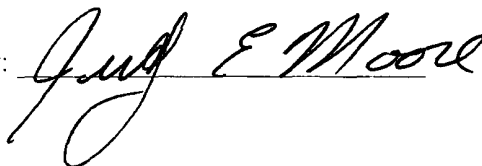
iiná bá received 2 samples on 6/30/2004 for the analyses presented in the following report.

This certificate of analysis includes the Analytical Report(s) for the sample(s) received by the laboratory. A Quality Control Summary Report, the Sample Receipt Checklist and an executed Chain of Custody are included as an addendum to this report.

This is a revised report (for report dated August 05, 2004) to amend conductivity units.

Should you have any questions regarding this certificate of analysis, please contact the laboratory at your convenience.

Report Approved By:



Judy Moore  
Laboratory Director

Edwina Aspaas  
Quality Assurance Officer

This certificate of analysis and respective material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the person responsible for delivering this to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify the laboratory immediately at 505-327-1072.



MAINTAINING HARMONY BETWEEN MAN AND HIS ENVIRONMENT

612 E. Murray Drive  
Farmington, NM 87499

Off: (505) 327-1072  
FAX: (505) 327-1496



P.O. Box 3788  
Shiprock, NM 87420

Off: (505) 368-4065

**iiná bá**

**Date:** 06-Oct-04

**CLIENT:** D.J. Simmons Company

**Project:** Lybrook #4

**Lab Order:** 0407004

## **CASE NARRATIVE**

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s), the quality control summary report(s) or the sample receipt checklist.

Conductivity: 65.5 mmhos/cm (see Note 1)

Sodium absorption ratio: 9.5 Calculated

Exchangeable sodium percentage: 11.3 Calculated

Note 1: Midwest Laboratories, Inc. reported conductivity units as mS/cm. By definition S = mho. Therefore, mS/cm = mmhos/cm. The Midwest Laboratories, Inc. results are shown here as mmhos/cm.



Report Number  
04-191-2121

13611 "B" Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121  
www.midwestlabs.com

### REPORT OF ANALYSIS

Mail to: **IANA' BA' INC )**  
**JUDY MOORE**  
**PO BOX 2606**  
**FARMINGTON NM 87499-2606**

For: ( 6833) ON SITE TECHNOLOGIES LTD  
(505)325-5667

Date Reported: 07/09/04  
Date Received: 07/02/04  
Date Sampled: 06/30/04

PO/Proj. #: ???  
SOIL ANALYSIS

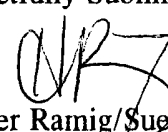
Lab number: 988690      Sample ID: 0407004-001A      LYBROOK #4  
WORKOVER PIT

Analysis	Level Found	Units	Detection Limit	Method	Analyst-Date
Sodium Adsorption Ratio	9.5			CALCULATED	jpt-07/02
Sodium (water soluble)	2,442	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Magnesium (water soluble)	787	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Calcium (water soluble)	3,710	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Conductivity	65.5	mS/cm	0.01	SATURATED PASTE EXTRACT	dmg-07/09

ESP

11.31 calculated

Respectfully Submitted

  
Heather Ramig/Sue Ann Seitz/Rob Ferris  
Client Services

The above analytical results apply only to the sample(s) submitted.

Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.



## COVER LETTER

July 23, 2004

Judy Moore  
iina ba, Ltd  
612 E. Murray Drive  
Farmington, NM 87401  
TEL: (505) 327-1072  
FAX (505) 327-1496

RE: 0407004

Order No.: 0407030

Dear Judy Moore:


Hall Environmental Analysis Laboratory received 1 sample on 7/6/2004 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,



Andy Freeman, Business Manager  
Nancy McDuffie, Laboratory Manager



4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109  
505.345.3975 ■ Fax 505.345.4107  
[www.hallenvironmental.com](http://www.hallenvironmental.com)

# Hall Environmental Analysis Laboratory

Date: 23-Jul-04

CLIENT: iina ba, Ltd  
Lab Order: 0407030  
Project: 0407004  
Lab ID: 0407030-01

LYBROOK #4  
WORKOVER PIT

Client Sample ID: 0407004-002A  
Collection Date: 6/30/2004  
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 9056A: ANIONS</b>						
Chloride	9200	150		mg/Kg	500	Analyst: MAP 7/20/2004 9:40:13 PM
<b>EPA METHOD 8015B: DIESEL RANGE</b>						
Diesel Range Organics (DRO)	560	10		mg/Kg	1	Analyst: JMP 7/14/2004 6:14:12 AM
Motor Oil Range Organics (MRO)	260	50		mg/Kg	1	7/14/2004 6:14:12 AM
Surr: DNOP	108	60-124		%REC	1	7/14/2004 6:14:12 AM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	Analyst: NSB 7/12/2004 3:10:43 PM
Surr: BFB	98.0	74-118		%REC	1	7/12/2004 3:10:43 PM
<b>EPA METHOD 8021B: VOLATILES</b>						
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	Analyst: NSB 7/12/2004 3:10:43 PM
Benzene	ND	0.025		mg/Kg	1	7/12/2004 3:10:43 PM
Toluene	ND	0.025		mg/Kg	1	7/12/2004 3:10:43 PM
Ethylbenzene	ND	0.025		mg/Kg	1	7/12/2004 3:10:43 PM
Xylenes, Total	ND	0.025		mg/Kg	1	7/12/2004 3:10:43 PM
Surr: 4-Bromofluorobenzene	99.1	74-118		%REC	1	7/12/2004 3:10:43 PM
<b>EPA METHOD 7471: MERCURY</b>						
Mercury	0.035	0.033		mg/Kg	1	Analyst: IC 7/13/2004
<b>EPA METHOD 6010C: SOIL METALS</b>						
Arsenic	ND	13		mg/Kg	5	Analyst: NMO 7/9/2004 4:15:05 PM
Barium	69	0.50		mg/Kg	5	7/9/2004 4:15:05 PM
Cadmium	ND	0.50		mg/Kg	5	7/9/2004 4:15:05 PM
Chromium	8.6	1.5		mg/Kg	5	7/9/2004 4:15:05 PM
Lead	7.9	1.3		mg/Kg	5	7/9/2004 4:15:05 PM
Selenium	ND	13		mg/Kg	5	7/9/2004 4:15:05 PM
Silver	ND	1.3		mg/Kg	5	7/9/2004 4:15:05 PM

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range