

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: Roddy Production Company, Inc. Telephone: 505 325-5750 e-mail address: _____
Address: P.O. Box 2221, Farmington, New Mexico 87499
Facility or well name: Lucerne Federal #6 API #: 30-045-29282 U/L or Qtr/Qtr K Sec 21 T 28N R 11W
County: San Juan County Latitude 36.64545 Longitude 108.01244 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 Lucerne Federal #6 Work over pit.

Lucerne Federal #6 Sample location map for the work over pit

Lucerne Federal #6 Lab analysis for work over pit.

Lucerne Federal #6 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

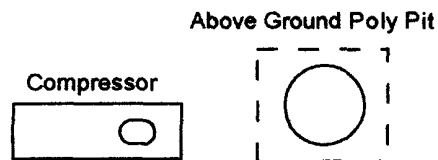
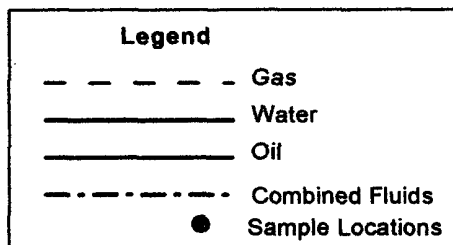
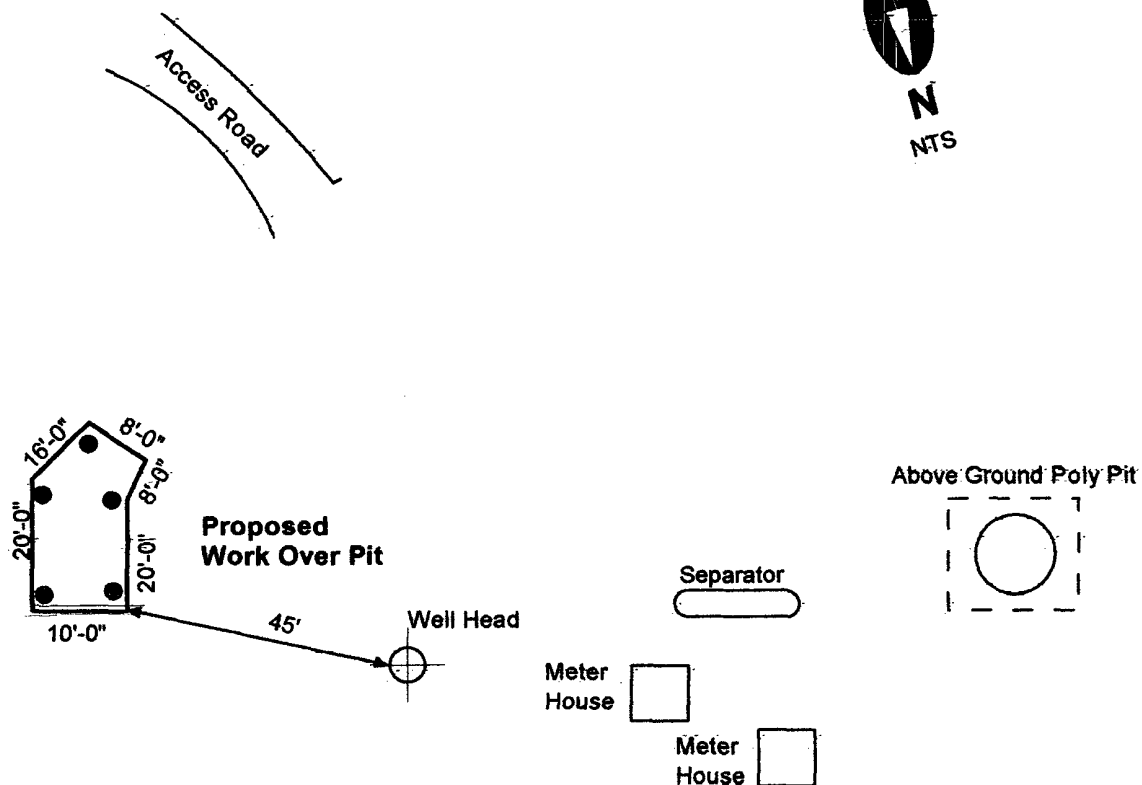
Printed Name/ Title: Robert R. Griffie, Operations Manager Signature *Robert R. Griffie*

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. #6

Printed Name/Title: _____ Signature *Denny Faint*

OCT 14 2004
Date: _____



Roddy Production Company, Inc.
P.O. Box 2221 Farmington, New Mexico 87499
Telephone: (505) 325 5750 (505) 325 5866

**Pit Closure Sample
location Map**
Lucerne Federal # 6
1815' FSL 1500' FWL
Sec 21, T28N, R11W
San Juan County, NM
Prepared by cds 09/08/04

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: Lucern #6 Workover Pit

Order No.: 0408027

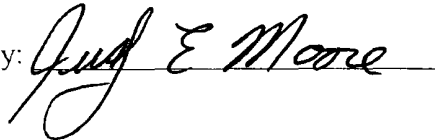
Dear Craig Starkey (ext. 14):

iiná bá received 1 sample on 8/26/2004 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.

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

iina' ba'

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

iina' ba'

Date: 06-Oct-04

CLIENT: D.J. Simmons Company
Project: Lucern #6 Workover Pit
Lab Order: 0408027

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.

The selenium tests were performed three (3) times. All three (3) times, the Laboratory Control Standard (LCS) failed. Therefore, the batch results were not accepted. The samples have now exceeded their preparation hold time.

8015 Diesel samples were extracted by iina' ba'. Extract sample analyses were analyzed by subcontractor Hall Environmental Analysis Laboratory. The Hall Environmental Analysis Laboratory results were reported in iina' ba' analytical reports. The Hall Environmental Analysis Laboratory QA and QC reports are included.

Conductivity: 84.70 mmhos/cm (see Note 1)
Sodium adsorption ratio: 65.5 Calculated
Exchangeable sodium percentage: 48.8 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.

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iiná bá

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Off: (505) 368-4065



Date: 06-Oct-04

CLIENT: D.J. Simmons Company
Lab Order: 0408027
Project: Lucern #6 Workover Pit
Lab ID: 0408027-001B

Client Sample ID: Lucern #6
Tag Number: Lucern #6 Workover Pit
Collection Date: 8/25/2004 4:45:00 PM
Matrix: SOIL

COC#: 4300

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: SUB
T/R Hydrocarbons: C10-C28	250	25.0		mg/Kg	1	9/22/2004
GASOLINE RANGE ORGANICS		SW8015B				Analyst: JEM
T/R Hydrocarbons: C6-C10	ND	4.50		mg/Kg	25	9/2/2004
Surr: Trifluorotoluene	85.1	84-149		%REC	25	9/2/2004
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: JEM
Benzene	ND	25		µg/Kg	25	9/1/2004
Ethylbenzene	ND	25		µg/Kg	25	9/1/2004
m,p-Xylene	ND	50		µg/Kg	25	9/1/2004
Methyl tert-Butyl Ether	ND	250		µg/Kg	25	9/1/2004
o-Xylene	ND	25		µg/Kg	25	9/1/2004
Toluene	ND	50		µg/Kg	25	9/1/2004
Surr: 1,4-Difluorobenzene	81.5	75-110		%REC	25	9/1/2004
Surr: 4-Bromochlorobenzene	86.4	40-135		%REC	25	9/1/2004
Surr: Fluorobenzene	73.7	69-110		%REC	25	9/1/2004
TRACE METALS IN SOIL		SW6010B				Analyst: JEM
Arsenic	0.86	0.049		mg/Kg	1.04	10/5/2004
Barium	190	0.019		mg/Kg	1.04	10/5/2004
Cadmium	ND	0.015		mg/Kg	1.04	10/4/2004
Chromium	5.6	0.026		mg/Kg	1.04	10/4/2004
Lead	190	0.034		mg/Kg	1.04	10/4/2004
Selenium	ND	0.046		mg/Kg	1.04	10/6/2004
Silver	ND	0.0042		mg/Kg	1.04	10/4/2004
ANIONS BY ION CHROMATOGRAPHY		E300				Analyst: JEM
Chloride	29300	200		ppm	2000	9/27/2004

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank

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

* - Value exceeds Maximum Contaminant Level

MAINTAINING HARMONY BETWEEN MAN AND HIS ENVIRONMENT



Report Number
04-247-2134

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

www.midwestlabs.com

REPORT OF ANALYSIS

For: (6833) IINA BA
(505)325-5667

Mail to: IINA BA
JUDY MOORE
612 MURRAY DRIVE
FARMINGTON NM 87401-

Date Reported: 09/03/04
Date Received: 08/27/04
Date Sampled: 08/25/04

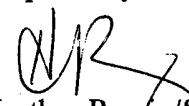
SOIL ANALYSIS

Lab number: 1006009 Sample ID: 0408027-001A

LUCERNE #6
WORKOVER PIT

Analysis	Level Found	Units	Detection Limit	Method	Analyst- Date
Sodium Adsorption Ratio	65.5			CALCULATED	jpt-08/27
Sodium (water soluble)	17,750	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-08/31
Magnesium (water soluble)	844	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-08/31
Calcium (water soluble)	4,150	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-08/31
Conductance	84.70	mS/cm	0.002	EPA 120.1	dmg-09/02
Exchangeable sodium percentage	48.8	%	0.1	CALC.	jpt-08/27

Respectfully Submitted


Heather Ramig/Sue Ann Seitz/Rob Ferris
Client Services

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

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