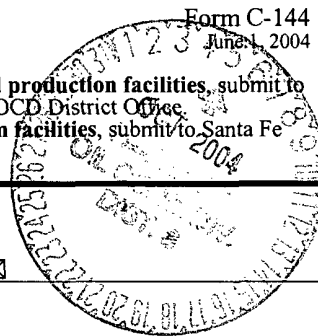


District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-144
June 1, 2004
For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office.



Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Roddy Production Company Telephone: 505 325-5750 e-mail address: _____
Address: P.O. Box 2221, Farmington, NM 87499 Facility or well name: OWEN 2E API #: 30-045-32005 U/L or Qtr/Qtr E Sec 19 T 31N R 12W
County: San Juan Latitude N36.88'708" Longitude W108.14'308" NAD: 1927 ☒ 1983 ☐ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank
Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness 12 mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Volume: <u>N/A</u> bbl Type of fluid: <u>N/A</u> Construction material: <u>N/A</u> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: <u>N/A</u>
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
Vellhead 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 N/A. (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: Enclosed are the following documents.

Closure 2 pits

Owen 2E sample location map for the Reserve Pit and Blow Pit

Owen 2E Lab Analysis from the Reserve Pit and Blow Pit

Owen 2E Location is outside the define area of rule 50

Note. Blow Pit unlined. Lined Drilling Pit

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 5, 2004

Printed Name/Title: Robert R. Griffie

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. #1

Printed Name/Title _____

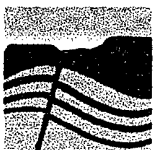
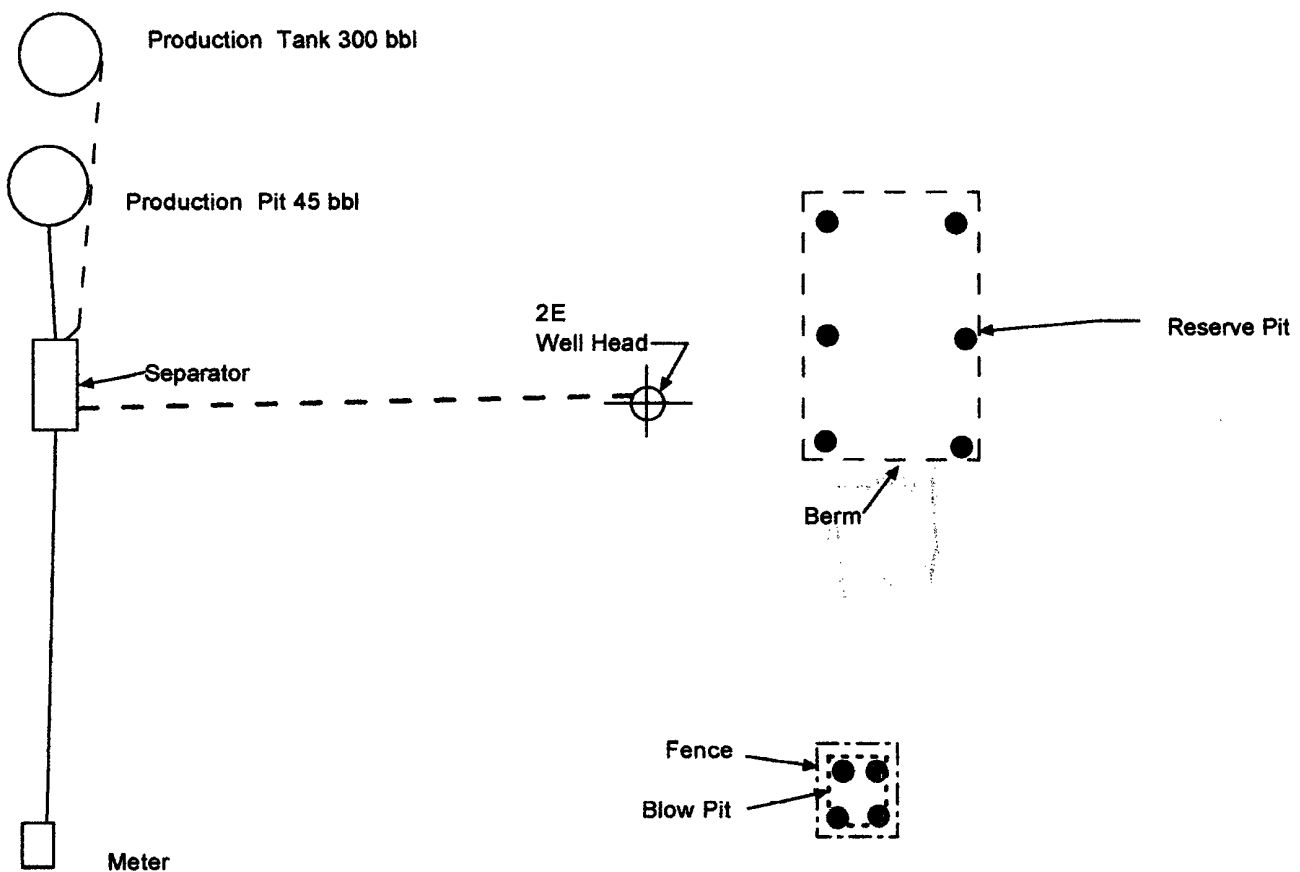
Signature Denny Fount

Date: OCT - 5 2004



LEGEND

Sample Locations ●



DJ SIMMONS, INC.

DJ SIMMONS, INC.

1009 Ridgeway Place, Ste.200
Farmington, NM 87401
PH. 505 326 3753
FAX. 505 327 4659

Reviewed: KM
Approved: RRG
Drawn: CDS
Date: 08/14/04

**Pit Closure Sample
Location Map
OWEN 2E
Sec 19, T31N, R12W
1860' FNL x 864 FWL
SAN JUAN, NM**

612 E. Murray Drive
Farmington, NM 87499

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

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

iiná bá

Date: 04-Oct-04

CLIENT: D.J. Simmons Company

Project: Roddy Productions

Lab Order: 0407003

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: 180 mmhos/cm (see Note 1)

Sodium absorption ration: 59.8 Calculated

Exchangeable sodium percentage: 46.5 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.

Hall Environmental Analysis Laboratory

Date: 23-Jul-04

CLIENT: iina ba, Ltd **Client Sample ID:** 0407003-002A
Lab Order: 0407029 **Collection Date:** 6/30/2004 7:15:00 AM
Project: 0407003 **BLOWPIT #2 E**
Lab ID: 0407029-01 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 9056A: ANIONS Analyst: MAP						
Chloride	16000	60		mg/Kg	200	7/22/2004 5:25:50 PM
EPA METHOD 8015B: DIESEL RANGE Analyst: JMP						
Diesel Range Organics (DRO)	250	10		mg/Kg	1	7/14/2004 5:43:48 AM
Motor Oil Range Organics (MRO)	79	50		mg/Kg	1	7/14/2004 5:43:46 AM
Surr: DNOP	99.8	60-124		%REC	1	7/14/2004 5:43:46 AM
EPA METHOD 8015B: GASOLINE RANGE Analyst: NSB						
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/12/2004 1:30:52 PM
Surr: BFB	102	74-118		%REC	1	7/12/2004 1:30:52 PM
EPA METHOD 8021B: VOLATILES Analyst: NSB						
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	7/12/2004 1:30:52 PM
Benzene	ND	0.025		mg/Kg	1	7/12/2004 1:30:52 PM
Toluene	ND	0.025		mg/Kg	1	7/12/2004 1:30:52 PM
Ethylbenzene	ND	0.025		mg/Kg	1	7/12/2004 1:30:52 PM
Xylenes, Total	0.028	0.025		mg/Kg	1	7/12/2004 1:30:52 PM
Surr: 4-Bromofluorobenzene	103	74-118		%REC	1	7/12/2004 1:30:52 PM
EPA METHOD 7471: MERCURY Analyst: IC						
Mercury	ND	0.033		mg/Kg	1	7/13/2004
EPA METHOD 6010C: SOIL METALS Analyst: NMO						
Arsenic	ND	2.5		mg/Kg	1	7/9/2004 11:43:53 AM
Barium	110	0.50		mg/Kg	5	7/9/2004 2:48:14 PM
Cadmium	ND	0.10		mg/Kg	1	7/9/2004 11:43:53 AM
Chromium	3.7	0.30		mg/Kg	1	7/9/2004 11:43:53 AM
Lead	84	1.3		mg/Kg	5	7/9/2004 2:46:14 PM
Selenium	ND	2.5		mg/Kg	1	7/9/2004 11:43:53 AM
Silver	ND	0.25		mg/Kg	1	7/9/2004 11:43:53 AM

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



Report Number
04-191-2124

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

www.midwestlabs.com

REPORT OF ANALYSIS

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

Date Reported: 07/09/04

Date Received: 07/02/04

Date Sampled: 06/30/04

Mail to:

IANA' BA' INC
JUDY MOORE
PO BOX 2606
FARMINGTON NM 87499-2606

PO/Proj. #: ???

SOIL ANALYSIS

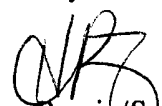
Lab number: 988693 SAMPLE ID: 0407003-001A OWEN 2E BLOWPIT

Analysis	Level Found	Units	Detection Limit	Method	Analyst-Date
Sodium Adsorption Ratio	59.8			CALCULATED	jpt-07/02
Sodium (water soluble)	11,510	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Magnesium (water soluble)	249	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Calcium (water soluble)	2,385	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Conductivity	180	mS/cm	0.01	SATURATED PASTE EXTRACT	dmg-07/09

ESP=

46.51

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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612 E. Murray Drive
Farmington, NM 87499

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

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

iiná bá

Date: 04-Oct-04

CLIENT: D.J. Simmons Company

Project: Roddy Prod. Owen 2E

Lab Order: 0406064

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: 78.3 mmhos/cm (see Note 1)

SAR: 65.5 Calculated

ESP: 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.

Hall Environmental Analysis Laboratory

Date: 24-Jul-04

CLIENT:	iina ba, Ltd	Client Sample ID:	0406064-002A
Lab Order:	0407065	Tag Number:	
Project:	0406064	Collection Date:	6/28/2004 4:30:00 PM
Lab ID:	0407065-01A	Matrix:	SOIL

OWEN 2E
RODDY PRODUCTION

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 9056A: ANIONS						
Chloride	11000	150		mg/Kg	500	Analyst: MAP 7/20/2004 10:13:49 PM
EPA METHOD 7471: MERCURY						
Mercury	ND	0.033		mg/Kg	1	Analyst: IC 7/20/2004
EPA METHOD 6010C: SOIL METALS						
Arsenic	2.6	2.5		mg/Kg	1	Analyst: NMO 7/13/2004 1:42:19 PM
Barium	2100	10		mg/Kg	100	7/13/2004 3:31:22 PM
Cadmium	ND	0.10		mg/Kg	1	7/13/2004 1:42:19 PM
Chromium	7.8	0.30		mg/Kg	1	7/13/2004 1:42:19 PM
Lead	33	0.25		mg/Kg	1	7/13/2004 1:42:19 PM
Selenium	ND	2.5		mg/Kg	1	7/13/2004 1:42:19 PM
Silver	ND	0.25		mg/Kg	1	7/13/2004 1:42:19 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



Report Number
04-191-2126

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

www.midwestlabs.com

REPORT OF ANALYSIS

Mail to:

IINA BA LTD
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: 06/24/04

PO/Proj. #: ???
SOIL ANALYSIS

Lab number: 988695

Sample ID: 0406064-001A

RODDY PRODUCTION OWEN 2E

Analysis	Level Found	Units	Detection Limit	Method	Analyst-Date
Sodium Adsorption Ratio	65.5			CALCULATED	jpt-07/02
Sodium (water soluble)	8,997	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Magnesium (water soluble)	6.0	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Calcium (water soluble)	1,417	mg/L	1.0	SATURATED PASTE EXTRACT	jpt-07/09
Conductivity	78.3	mS/cm	0.01	SATURATED PASTE EXTRACT	dmg-07/09

Respectfully Submitted

Heather Ramig/Sue Ann Seitz/Rob Ferris
Client Services

$$\begin{aligned} ESP &= \frac{100(-0.0126 + 0.01475(SAR))}{1 + (-0.0126 + 0.01475(SAR))} \\ ESP &= \frac{100(-0.0126 + 0.01475(65.5))}{1 + (-0.0126 + 0.01475(65.5))} \\ ESP &= \frac{95.3525}{1.9535} = 48.8111 \end{aligned}$$

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

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