

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: EOG Resources Incorporated Telephone: (432) 686-3714 e-mail address: _____
Address: PO Box 2267 Midland, TX 79702
Facility or well name: Vaca 25 Federal #01 API #: 3002536941 U/L or Qtr/Qtr A-25-25S-33E Sec NENE 25 T 25S R 33E
County: Lea Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit 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 <u>20</u> mil Clay <input type="checkbox"/> Pit Volume <u>1336</u> bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) 0 100 feet or more (0 points)
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) 0 No (0 points)
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) 0 1000 feet or more (0 points)
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:

Depth to Ground Water is 110'.

See attachment for more information.

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: 3/31/2005

Printed Name/Title: Julio C. Martinez/ Consultant

Signature: 

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:

Printed Name/Title: ENVIRONMENTAL ENGINEER

Signature: 

Date: 4-6-05

Attachment to Form C-144

Vaca 25 Federal #01

API# 3002536941

1. Diagram of facility showing the pit's relationship to other equipment and tanks.

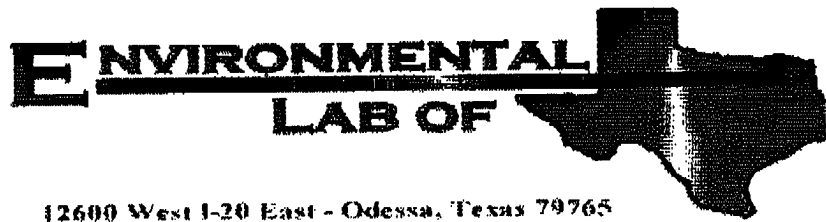
- There is no equipment or tanks on-site. The location is an abandoned and plugged well.

2. Disposal location

- There are no drill cuttings inside the existing pit that require disposal.
- Caliche from the drill pad will be deep-buried in the existing pit.

3. Remedial Action

- As part of the abandonment of the Vaca 25 Federal No 01, we are under order by the BLM to deep bury the existing caliche drill pad on-site in order to bring the site back to natural conditions.
- The existing reserve pit is empty therefore we will utilize it by backfilling the pit with the caliche that is on the drill pad.
- Remediation start date will be 4/9/2005. We expect to complete the reclamation by 4/27/2005.
- We propose to deep bury the existing caliche drill pad per BLM and NMOCD regulations.
 1. We will place all caliche in the existing pit and place at least 3' of top-soil on top.
 2. We will then broadcast native seed to re-vegetate the area and bring back to natural conditions.



Analytical Report

Prepared for:

Julio Martinez

Equis Environmental

P.O. Box 2367

Odessa, TX 79760

Project: Vaca 25 Fed #1

Project Number: None Given

Location: Jal

Lab Order Number: 5D05001

Report Date: 04/06/05

Equis Environmental
P.O. Box 2367
Odessa TX, 79760

Project: Vaca 25 Fed #1
Project Number: None Given
Project Manager: Julio Martinez

Fax: n/a
Reported:
04/06/05 12:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pit Bottoms	SD05001-01	Soil	04/04/05 15:00	04/05/05 09:00
Dirt Pile (Fill)	SD05001-02	Soil	04/04/05 15:00	04/05/05 09:00
Caliche Pile (Fill)	SD05001-03	Soil	04/04/05 15:00	04/05/05 09:00

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P.O. Box 2367
Odessa TX, 79760

Project: Vaca 25 Fed #1
Project Number: None Given
Project Manager: Julio Martinez

Fax: n/a
Reported:
04/06/05 12:05

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Pit Bottoms (SD05001-01) Soil									
Gasoline Range Organics C6-C12	113	10.0	mg/kg dry	1	ED50408	04/05/05	04/05/05	EPA 8015M	
Diesel Range Organics >C12-C35	774	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	887	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		87.8 %		67.6-140	"	"	"	"	
Surrogate: 1-Chlorooctadecane		103 %		70-130	"	"	"	"	
Dirt Pile (Fill) (SD05001-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED50408	04/05/05	04/05/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		88.4 %		67.6-140	"	"	"	"	
Surrogate: 1-Chlorooctadecane		96.4 %		70-130	"	"	"	"	
Caliche Pile (Fill) (SD05001-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	ED50408	04/05/05	04/05/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		93.6 %		67.6-140	"	"	"	"	
Surrogate: 1-Chlorooctadecane		95.8 %		70-130	"	"	"	"	

Environmental Lab of Texas

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Page 2 of 6

Rquis Environmental
P.O. Box 2367
Odessa TX, 79760

Project: Vaca 25 Fed #1
Project Number: None Given
Project Manager: Julio Martinez

Fax: n/a
Reported:
04/06/05 12:05

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Pit Bottoms (SD05001-01) Soil									
Chloride	134	5.00	mg/kg	10	ED50610	04/05/05	04/05/05	EPA 300.0	
% Moisture	0.6	0.1	%	1	ED50601	04/05/05	04/06/05	% calculation	
Dirt Pile (Fill) (SD05001-02) Soil									
Chloride	52.1	5.00	mg/kg	10	ED50610	04/05/05	04/05/05	EPA 300.0	
% Moisture	1.9	0.1	%	1	ED50601	04/05/05	04/05/05	% calculation	
Caliche Pile (Fill) (SD05001-03) Soil									
Chloride	54.3	5.00	mg/kg	10	ED50610	04/05/05	04/05/05	EPA 300.0	
% Moisture	1.1	0.1	%	1	ED50601	04/05/05	04/06/05	% calculation	

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Page 3 of 6

Equis Environmental	Project: Vaca 25 Fed #1	Fax: n/a
P.O. Box 2367	Project Number: None Given	Reported:
Odessa TX, 79760	Project Manager: Julio Martinez	04/06/05 12:05

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED50408 - Solvent Extraction (GC)										
Blank (ED50408-BLK1)				Prepared & Analyzed: 04/04/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	39.7		mg/kg	50.0		79.4	67.6-140			
Surrogate: 1-Chlorooctadecane	35.6		"	50.0		71.2	70-130			
LCS (ED50408-BS1)				Prepared & Analyzed: 04/04/05						
Gasoline Range Organics C6-C12	435	10.0	mg/kg wet	500		87.0	76.3-104			
Diesel Range Organics >C12-C35	454	10.0	"	500		90.8	76.1-118			
Total Hydrocarbon C6-C35	889	10.0	"	1000		88.9	81.8-105			
Surrogate: 1-Chlorooctane	36.0		mg/kg	50.0		72.0	67.6-140			
Surrogate: 1-Chlorooctadecane	35.5		"	50.0		71.0	70-130			
Calibration Check (ED50408-CCV1)				Prepared & Analyzed: 04/04/05						
Gasoline Range Organics C6-C12	499		mg/kg	500		99.8	80-120			
Diesel Range Organics >C12-C35	516		"	500		103	80-120			
Total Hydrocarbon C6-C35	1010		"	1000		101	80-120			
Surrogate: 1-Chlorooctane	48.9		"	50.0		97.8	67.6-140			
Surrogate: 1-Chlorooctadecane	39.4		"	50.0		78.8	70-130			
Matrix Spike (ED50408-MS1)				Source: 5D04006-02 Prepared: 04/04/05 Analyzed: 04/05/05						
Gasoline Range Organics C6-C12	531	10.0	mg/kg dry	591	6.79	88.7	75.9-114			
Diesel Range Organics >C12-C35	728	10.0	"	591	121	103	85.3-122			
Total Hydrocarbon C6-C35	1260	10.0	"	1180	ND	107	84.4-115			
Surrogate: 1-Chlorooctane	45.6		mg/kg	50.0		91.2	67.6-140			
Surrogate: 1-Chlorooctadecane	38.6		"	50.0		77.2	70-130			
Matrix Spike Dup (ED50408-MSD1)				Source: 5D04006-02 Prepared: 04/04/05 Analyzed: 04/05/05						
Gasoline Range Organics C6-C12	550	10.0	mg/kg dry	591	6.79	91.9	75.9-114	3.52	10.4	
Diesel Range Organics >C12-C35	705	10.0	"	591	121	98.8	85.3-122	3.21	10.4	
Total Hydrocarbon C6-C35	1230	10.0	"	1180	ND	106	84.4-115	0.797	7.6	
Surrogate: 1-Chlorooctane	46.5		mg/kg	50.0		93.0	67.6-140			
Surrogate: 1-Chlorooctadecane	38.4		"	50.0		76.8	70-130			

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Page 4 of 6

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Project: Vaca 25 Fed #1
Project Number: None Given
Project Manager: Julio Martinez

Fax: n/a

Reported:
04/06/05 12:05

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED50601 - General Preparation (Prep)										
Blank (ED50601-BLK1)	ND	0.1	%							Prepared: 04/05/05 Analyzed: 04/06/05
% Moisture										
Duplicate (ED50601-DUP1)	0.4	0.1	%			0.6		40.0	20	Prepared: 04/05/05 Analyzed: 04/06/05
% Moisture										
Batch ED50610 - Water Extraction										
Blank (ED50610-BLK1)	ND	0.500	mg/kg							Prepared & Analyzed: 04/05/05
Chloride										
LCS (ED50610-BS1)	10.7		mg/L		10.0		107	80-120		Prepared & Analyzed: 04/05/05
Chloride										
Calibration Check (ED50610-CCV1)	10.7		mg/L		10.0		107	80-120		Prepared & Analyzed: 04/05/05
Chloride										
Duplicate (ED50610-DUP1)	151	5.00	mg/kg		134			11.9	20	Source: 5005001-01 Prepared & Analyzed: 04/05/05
Chloride										

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Page 5 of 6

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Project: Vaca 25 Fed #1
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Project Manager: Julio Martinez

Fax: n/a
Reported:
04/06/05 12:05

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Raland K. Tuttle

Date:

4/6/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

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Page 6 of 6