Highlander Environmental Corp.

Pit Closure Sampling Report

Job Number: 2713

Client: Parallel Petroleum Corp

Well Name Personality 1525-33 #1

API# 30-005-63852

Depth of Pit 8 11-14-07

Depth to Groundwater **Orientation of pit** **N S (E) W**

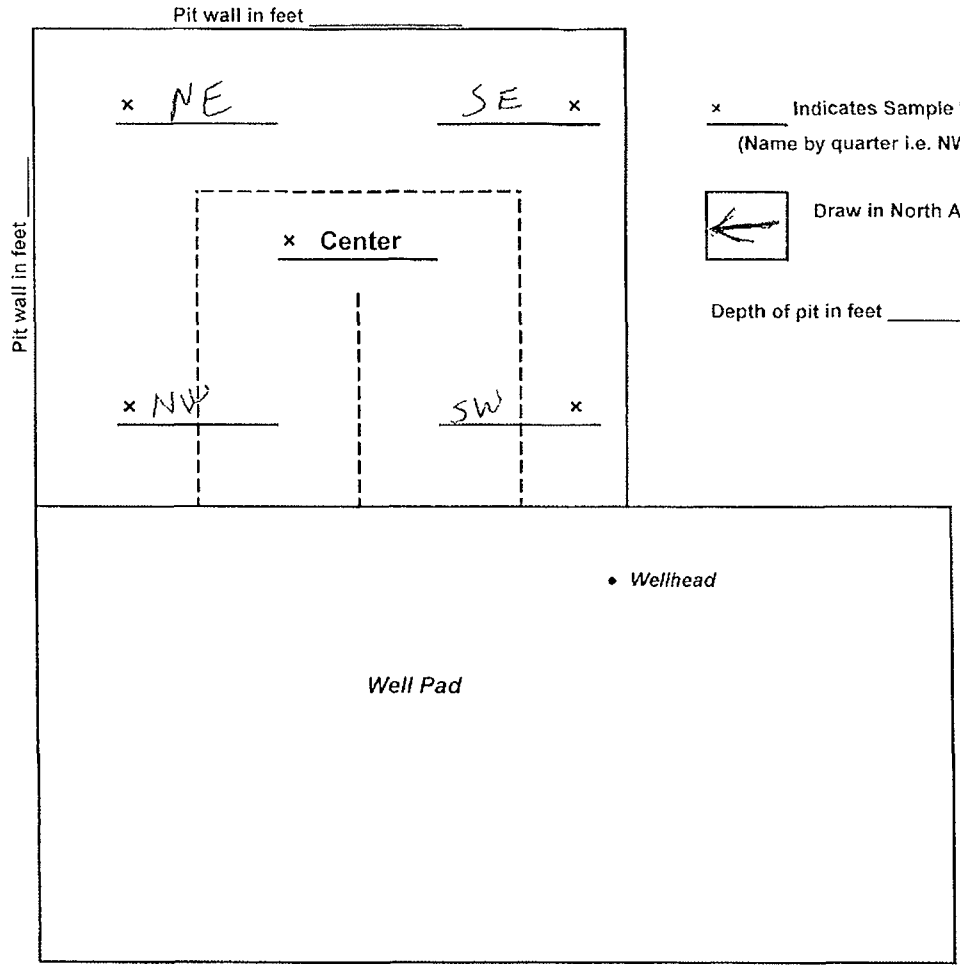
All pit sample depths are *below pit bottom* (BPB)

Sample Location	Depth (BPB)	Field Chloride Results (mg/Kg)	Lab Chloride Results (mg/Kg)
NE	2	240	<100
NW	2	720	
	5	400	
	10	440	
	15	240	<100
SE	2	160	<100
SW	2	240	<100
Center	2	3680	
	5	4000	
	10	3440	
	15	3440	
	20	1920	2230
	22	150	<100

Dig out Center To 250mg/l NW To 250 mg/l
Take To disposal. Make Bio taken 11-20-07
Resampled Center @ 22', Mike Bio Taker
approved closure on 11-29-07

DNR- Did not run at lab.
BGS- Below Ground Surface
BPB- Below Pit Bottom

Highlander Environmental Corp.
Pit Sample Location Plat



× Indicates Sample Location
(Name by quarter i.e. NW, NE etc)

Draw in North Arrow

Depth of pit in feet _____

Client: Parallel Petroleum Corp

Well Name: Personally 1525-33 #1

API#: 30-005-63852

Summary Report

Gary Miller
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: November 21, 2007

Work Order: 7111927

Project Location: Chaves County, NM
Project Name: Parallel/Personally 1525-33 #1
Project Number: 2713

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
143356	NE-2'	soil	2007-11-14	00:00	2007-11-19
143357	NW-15'	soil	2007-11-14	00:00	2007-11-19
143358	SE-2'	soil	2007-11-14	00:00	2007-11-19
143359	SW-2'	soil	2007-11-14	00:00	2007-11-19
143360	Center-20'	soil	2007-11-14	00:00	2007-11-19

Sample: 143356 - NE-2'

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

Sample: 143357 - NW-15'

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

Sample: 143358 - SE-2'

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

Sample: 143359 - SW-2'

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

Sample: 143360 - Center-20'

Param	Flag	Result	Units	RL
Chloride		**2230**	mg/Kg	2.00

Summary Report

Gary Miller
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: November 30, 2007

Work Order 7113021

Project Location: Chaves County, NM
Project Name: Parallel/Personally 1525-33 #1
Project Number 2713

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
144100	Center 22.0'	soil	2007-11-29	00:00	2007-11-30

Sample: 144100 - Center 22.0'

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

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 **Parallel Petroleum Corporation** Telephone: **432-684-3905** e-mail address **ddurham@parallel-petro.com**
Address **1004 N. Big Spring Street, Suite 400, Midland, Texas 79701**
Facility or well name **Personally 1525-33 #1** API #: **30-005-63852** U/L or Qtr/Qtr **D** Sec **33** T **15S** R **25E**
County **Chaves** Latitude **32°58'36.66"N** Longitude **104°27'18.63"W** NAD: 1927 X 1983 ☐
Surface Owner Federal ☐ State ☐ Private X Indian ☐

Pit	Below-grade tank	
Type Drilling X Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined X Unlined ☐ Liner type Synthetic X Thickness 12 mil Clay ☐ Pit Volume 20,000 bbl	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) 60'	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) 10 (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 X Within 1000' of a water well, irrigation No	(20 points) 20 (0 points)
Distance to surface water (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) 0
	Ranking Score (Total Points)	30

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 your are burying in place) onsite ☐ offsite X If offsite, name of facility Gandy Marley, inc (3) Attach a general description of remedial action taken including remediation start date and end date (4) Groundwater encountered No X 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:
This well location is in an active irrigated field. All of the pit contents including drilling mud, pit plastic etc. will be removed and taken to an NMOCD approved disposal facility. The site will then be backfilled and re-contoured.

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 X, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date 9-25-07
Printed Name/Title Gary Miller, agent, Phone 432-682-4559 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
_____ Signature Signed By Mike Bratcher Date OCT 10 2007

NOTIFY OCD 24 HOURS PRIOR to beginning closure and 24 HOURS PRIOR to obtaining samples. Samples are to be obtained from pit area and analyses submitted to OCD prior to back-filling.