PARKER ENERGY SUPPORT SERVICES, INC.
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NMOCD ARTESIA

Range Operating

South Culebra Bluff 2-B Flowline Release

January 23, 2013

Environmental Technician: Jacob Melancon

Proposal To Backfill Site

On January 2, 2013 environmental supervisor Jacob Melancon with Parker Energy was notified of a release for Range Operating on the South Culebra Bluff 2-B flow line that caused 20-30 bbls to release in pasture area just northwest of the Reid Wells #1 location. Technician arrived on site and did initial C-141, site mapping and photos also Mike Bratcher with OCD in Artesia was notified via voicemail at his office of Release.

I returned back to site on January 7th 2013 with backhoe to attempt to vertically delineate spill area. Backhoe could only dig to a depth of 1-2ft. before a hard rock cap was encountered. Backhoe was unable to break through solid rock cap. The initial samples that where ran on site for chlorides all came back above 4000. At this time BDS whose equipment was being used rented a trackhoe to dig trench samples and excavate site.

Trackhoe was on site January 10th 2013 along with a hammer hoe to help breakthrough rock cap. As trackhoe began digging trench sample #1 within 30 minutes 2 teeth had broken on bucket causing us to stop trenching for the day and the teeth had to be welded back onto bucket. Samples were taken at 1ft. and 2 ft. and both samples where high in chlorides above 4000.

On January 11th I returned back to site and trench sample #1 was dug down to a depth of 5-6ft. and chlorides decreased significantly at this depth from 4000+ to right around 800. Trackhoe then broke three teeth and we had to shut down for the day, crew ordered new bucket with rock teeth and it was put on during the weekend. Land Owner Johnny Reed showed up to asses site and said he would be fine with excavating down to solid rock cap and then hauling in clean backfill for site.

January 14th 2013 crew was back on site to finish with trench sample #1. At this time Jacob Melancon with Parker Energy notified Mike Bratcher with OCD and explained how hard and difficult digging was at site. Mr. Bratcher then informed Jacob to grab sample at the depth trench sample #1 was at and to take sample to lab for analytical analysis to see if site would require a plastic liner.

Mike Bratcher then instructed technician to remove all visible contamination at site and to excavate release area down to the hard rock cap approximately 2-3ft. down.

I went back to site on January 23, 2013 and crew had excavated release area down to hard rock cap and no visible contamination was present. Crew hauled approximately 2450 yards of contaminated soil to R-360 for disposal. Analytical data from Cardinal Labs in Hobbs NM showed no signs of B-Tex or Tph and Chlorides came back at 288. At this time I would like to propose to backfill excavated area hauling in clean backfill from landowner Johnny Reed.

If you have any questions or comments feel free to reach Jacob Melancon with Parker Energy at 575-602-2984.

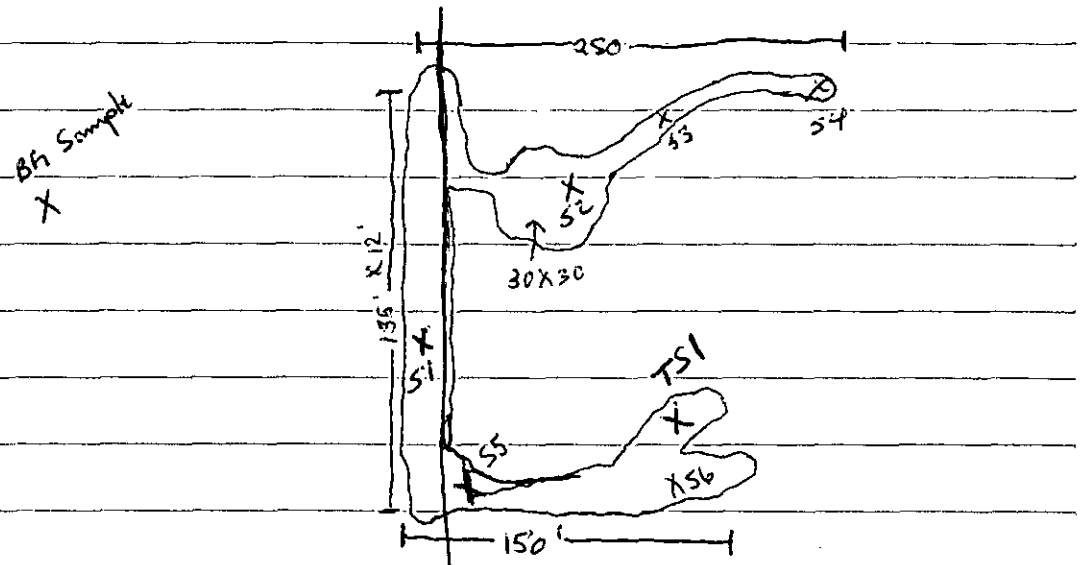
Environmental Supervisor

Jacob Melancon

Range operating 1.2.2013

South Culebra Bluff Flowline Release

20-30 BBL release in pasture



Lease Road

Range Operating

Reid Wells #1

Centurion pipeline

H-1

Samples

Background - 2X20 = 40

S1 2-2.5' - 200# X20 = 4000#

S2 2-2.5' - 200# X20 = 4000#

S3 1' - 200# X20 = 4000#

S4 1' - 200# X20 = 4000#

S5 1' - 200# X20 = 4000#

S6 8"-1' - 200# X20 = 4000#

FIELD MEASUREMENT/ OBSERVATION LOG

Parker Energy Support Svcs Inc.
PO Box 1957
Eunice, NM 88231
(575)394-0444

Company: Range Operating | Date: 1.7.2013
Project Name: South Cubelora Wolff 2-B lease | Project Number:
Project Manager: Jacob Mclemore | Field Technician: Jacob Mclemore

SAMPLE ID	SAMPLE DEPTH (FT)	COLLECTION TIME	PID ANALYSIS TIME	PID READING (PPM)	CHLORIDE ANALYSIS					Soil Description
							Titration Tube Reading		mg/kg	
TS1	1-2'	2:10			2gms of soil	40ml of H20	200+	x 20 =	4000+	Brown Soil / Rock
	2-3'	3:05			2gms of soil	40ml of H20	200+	x 20 =	400+	" "
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
TS2	1-2'	2:15			2gms of soil	40ml of H20	28	x 20 =	560	Brown Soil
	2-3	2:45			2gms of soil	40ml of H20	12	x 20 =	240	Caliche
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
TS3	2-3'	2:21			2gms of soil	40ml of H20	200+	x 20 =	4000+	Brown Soil
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
TS4	2-3'	2:24			2gms of soil	40ml of H20	200+	x 20 =	4000+	Brown Soil
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		

PID CALIBRATION

Time	Fresh Air	Span Gas	Time	Fresh Air	Span Gas

WEATHER

Time	Temp	Misc.

FIELD MEASUREMENT/ OBSERVATION LOG

Parker Energy Support Svcs Inc.
PO Box 1957
Eunice, NM 88231
(575)394-0444

Company: Range Operating

Date: 1.11.2013

Project Name: South Cubebra Bluff 2 B

Project Number:

Project Manager: Jacob M Lemon

Field Technician: Jacob Nelson

SAMPLE ID	SAMPLE DEPTH (FT)	COLLECTION TIME	PID ANALYSIS TIME	PID READING (PPM)	CHLORIDE ANALYSIS		Titration Tube Reading		mg/kg	Soil Description
TS1	4-5'	10:10			2gms of soil	40ml of H20	80	x 20 =	1600	Rock/caliche
	5'2"	11:30			2gms of soil	40ml of H20	80	x 20 =	1600	
	5'6"	12:20			2gms of soil	40ml of H20	40	x 20 =	800	
	5'10"	1:30			2gms of soil	40ml of H20	40	x 20 =	800	
	6	1:48			2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
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					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		
					2gms of soil	40ml of H20		x 20 =		

PID CALIBRATION						WEATHER		
Time	Fresh Air	Span Gas	Time	Fresh Air	Span Gas	Time	Temp	Misc.