

El Paso Field Services
DEPUTY OIL & GAS INSPECTOR
PRODUCTION PIT CLOSURE

DEC 21 1998

Approved

JAQUEZ GAS COM A #4
Meter/Line ID - 87535

RECEIVED
JUL 2 1999

SITE DETAILS

Legals - Twn: 29

Rng: 09

Sec: 05

Unit: B

NMOCD Hazard Ranking: 20

Land Type: 4 - Fee

Operator: AMOCO PRODUCTION COMPANY

Pit Closure Date: 05/06/94

RATIONALE FOR RISK-BASED CLOSURE:

The above mentioned production pit was assessed and ranked according to the criteria in the New Mexico Conservation Division's Unlined Surface Impoundment Closure Guidelines.

The primary source, discharge to the pit, has been removed. There has been no discharge to the production pit for at least five years and the pit has been closed for at least three years.

The production pit has been remediated to the practical extent of the trackhoe or to the top of bedrock. Initial laboratory analysis has indicated that the soil remaining at the bottom of the excavation is above standards based on the hazard ranking score. Contaminated soil was removed and transported to an approved landfarm for disposal. The initial excavation was backfilled with clean soil and graded in a manner to divert precipitation away from the excavated area. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching any residual hydrocarbons remaining in the soil. Therefore, further mobility of residual hydrocarbons is unlikely.

Since the soil samples from the initial excavation were above standards, a test boring was drilled and a sample was collected to evaluate the vertical extent of impact to soils. Test boring sample results indicated soils below standards beneath the original excavation.

El Paso Field Services Company (EPFS) requests closure of the above mentioned production pit location for the following reasons:

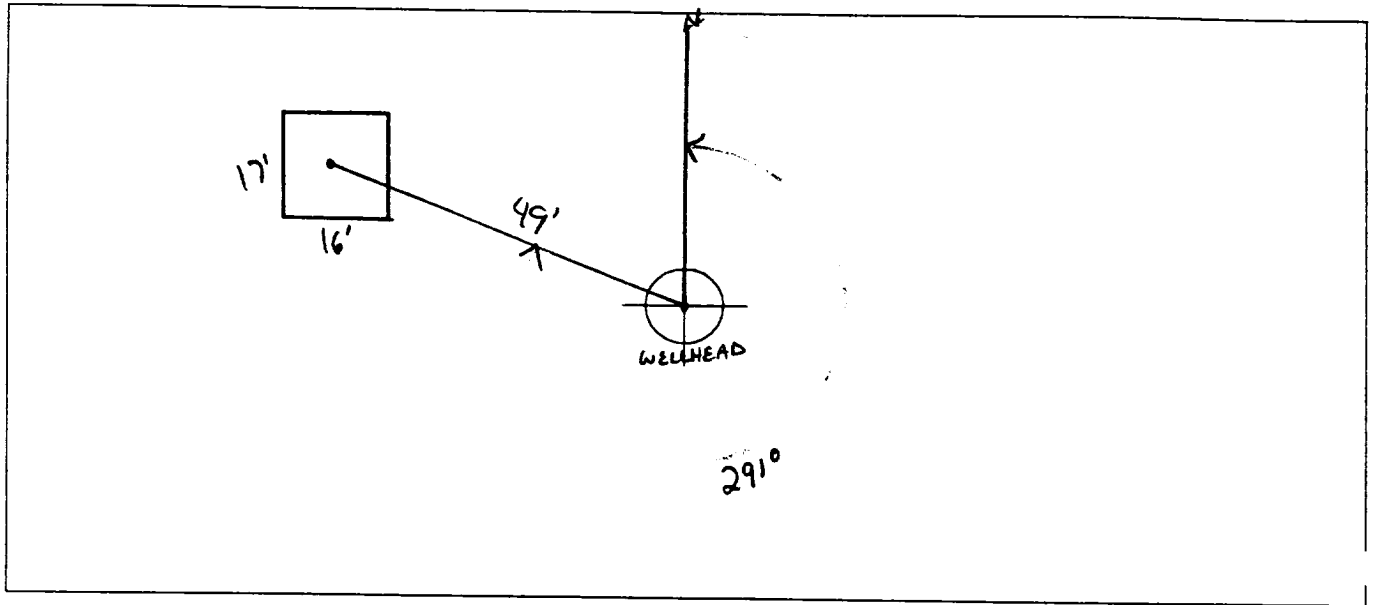
- Discharge to the pit has not occurred in over five years and the pit has been closed for over three years.
- The bulk of the impacted soil was removed during the initial excavation.
- The excavation was backfilled with clean soil and graded to divert precipitation away from the excavation area.
- All source material has been removed from the ground surface, eliminating potential direct contact with livestock and the general public.
- Groundwater was not encountered in the initial excavation or test boring; therefore, impact to groundwater is unlikely.
- Soil samples collected beneath the initial excavation were below standards.
- No potential receptors are within 1,000 feet of the site.
- Residual hydrocarbons remaining in the soil at the bottom of the initial excavation will naturally degrade in time with minimal risk to the environment.

FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p>Meter: <u>87535</u> Location: <u>JAUQUEZ GAS COM A #4</u> Operator #: <u>0203</u> Operator Name: <u>AMOCO</u> P/L District: <u>BLOOMFIELD</u> Coordinates: Letter: <u>B</u> Section <u>5</u> Township: <u>29</u> Range: <u>9</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____ Site Assessment Date: <u>4-18-94</u> Area: <u>10</u> Run: <u>43</u></p>
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps) Inside <input checked="" type="checkbox"/> (1) Outside <input type="checkbox"/> (2)</p> <p>Land Type: BLM <input type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input checked="" type="checkbox"/> (3) Indian _____</p> <p>Depth to Groundwater Less Than 50 Feet (20 points) <input checked="" type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Wellhead Protection Area : Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? <input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points)</p> <p>Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) <input type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/> (3)</p> <p>Name of Surface Water Body _____ (Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100'</p> <p>TOTAL HAZARD RANKING SCORE: <u>20</u> POINTS</p>
REMARKS	<p>Remarks : <u>ONLY PIT ON LOCATION. PIT IS DRY.</u></p>

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 291° Footage from Wellhead 49'
b) Length : 17' Width : 16' Depth : 3'



REMARKS :

STARTED TAKING PICTURES AT 10:21 A.M.

END DUMP

Completed By:

Robert Thompson

Signature

4.13.94

Date

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 87535 Location: Jaquez Gas Com #4
 Coordinates: Letter: B Section 5 Township: 29 Range: 9
 Or Latitude _____ Longitude _____
 Date Started : 5-6-94 Area: 10 Run: 43

OBSERVATIONS

Sample Number(s): 945091
KD42
 Sample Depth: 12' Feet
 Final PID Reading 636 ppm PID Reading Depth 12' Feet
 Yes No
 Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth _____ Feet

CLOSURE

Remediation Method :
 Excavation ☒ (1) Approx. Cubic Yards 45
 Onsite Bioremediation ☐ (2)
 Backfill Pit Without Excavation ☐ (3)
 Soil Disposition:
 Envirotech ☐ (1) ☒ (3) Tierra
 Other Facility ☐ (2) Name: _____
 Pit Closure Date: 5-6-94 Pit Closed By: BEI

REMARKS

Remarks : Pit was highly contaminated to 12', Excavated to 12' TOOK Sample Closed pit.

Signature of Specialist: _____

[Handwritten Signature]



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD42	945091
MTR CODE SITE NAME:	87535	N/A
SAMPLE DATE TIME (Hrs):	5/6/94	1150
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	5/10/94	5/10/94
DATE OF BTEX EXT. ANAL.:	5/13/94	5/15/94
TYPE DESCRIPTION:	VC	Coarse Grey / Brown Sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	LO.50	MG/KG				
TOLUENE	LO.50	MG/KG				
ETHYL BENZENE	6.8	MG/KG				
TOTAL XYLENES	73	MG/KG				
TOTAL BTEX	81	MG/KG				
TPH (418.1)	2710	MG/KG			2.31	28
HEADSPACE PID	636	PPM				
PERCENT SOLIDS	92.6	%				

— TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 —

The Surrogate Recovery was at 220 % for this sample All QA/QC was acceptable.

Narrative:

Surrogate recovery was outside ATI QC limit due to matrix interference. ATI results attached

DF = Dilution Factor Used

Approved By:

John Faldi

Date:

6/15/94

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1 Test Method for
2 Oil and Grease and Petroleum Hydrocarbons
3 in Water and Soil
4
5 Perkin-Elmer Model 1600 FT-IR
6 Analysis Report
7 *****

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74/03/10 13:40

1 Sample identification

049091

2 Initial mass of sample, g

0.310

3 Volume of sample after extraction, ml

03.000

4 Petroleum hydrocarbons, ppm

2713.975

5 Net absorbance of hydrocarbons (2930 cm⁻¹)

0.362

6

7

8 Petroleum hydrocarbons spectrum

13:40

