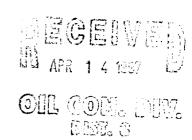
DESCRIPTION & GAS INSPECTOR

DEC 2 9 1997

DEC & 9 1991

Meter Number:75733 75733-2
Location Name:HODGES #14 (Pit #2)
Location:TN-26 RG-08
SC-21 UL-O
2 - Federal
NMOCD Zone:OUTSIDE
Hazard Ranking Score:00



RATIONALE FOR RISK-BASED CLOSURE OF PRODUCTION PITS LOCATED OUTSIDE OF THE VULNERABLE ZONE IN THE SAN JUAN BASIN

This production pit location was ranked according to the criteria in the New Mexico Oil Conservation Division's Unlined Surface Impoundment Closure Guidelines and received a ranking score of zero. The estimated depth to groundwater is greater than 100-feet beneath ground surface (bgs), the pit is not in a well head protection area, and there are no surface water bodies within 1,000 horizontal feet of the pit location.

The primary source, discharge to the pit has been removed. There has been no discharge to the pits for at least 4 years and the pits have been closed for at least one year.

Each pit was backfilled with clean soil and graded in a manner to divert precipitation away from the excavated area. Minimal infiltration of rainfall is expected. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching the residual hydrocarbons.

There is no source material at the ground surface, so direct contact of hydrocarbons with livestock and the populous is not likely.

In general, outside of the vulnerable area and alluvial valleys, bedrock material is generally encountered within 20 feet of the ground surface. Bedrock material in the San Juan Basin consists of interbedded sandstones, shales and clays. According to Freeze and Cherry, 1979, the hydraulic conductivity of the bedrock material are as follows:

Sandstone 10^{-9} to 10^{-13} cm/sec Shale 10^{-12} to 10^{-16} cm/sec Clay 10^{-12} to 10^{-15} cm/sec

Based on this information, the residual hydrocarbons should not migrate to groundwater.

Natural process (bioremediation) are degrading the residual hydrocarbon to carbon dioxide and water and will continue until the source is gone, therefore minimizing any impact to the environment.

Based on the above information, it is highly unlikely that any source material will impact groundwater or ever find an exposure pathway to affect human health and therefore El Paso Field Services Company (EPFS) requests closure of this pit location.



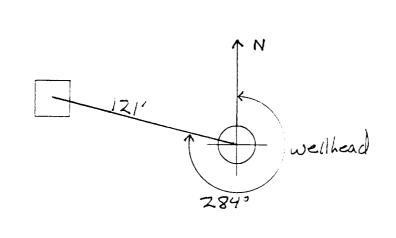
FIELD PIT SITE ASSESSMENT FORM

	V. Ł 2
GENERAL	Meter: 75733 Location: Hodges #14 Operator #: 0177 Operator Name: Ment Energy / L District: Ballard Coordinates: Letter: O Section Z L Township: 26 Range: 8W Or Latitude Longitude 6-27-94 Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 6-27-94 Area: 11 Run: Z/
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside (2) Depth to Groundwater Less Than 50 Feet (20 points) Greater Than 100 Ft (0 points) Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction?, or; ls it less than 200 ft from a private domestic water source? Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) (3) Horizontal Distance to Surface Water Body Coreater Than 1000 Ft (10 points) (3) Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) (3) Name of Surface Water Body (Surface Water Body: Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) Distance to Nearest Ephemeral Stream (1) < 100'(Navajo Pits Only) (2) > 100' TOTAL HAZARD RANKING SCORE:
REMARKS	Remarks: The pits on location. Drippit is dry deby pit to be closed also - see other assessment Outside 1/7 a. Outline & T.

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 284 Footage from Wellhead 121

b) Length : 16 Width : 15 Depth : 3



	Remarks:
	Bobtail
REMARKS	
REN	

Completed By:

Signature

6-27-94

Date

FIELD PIT REMEDIATION/CLOSURE FORM

	^
GENERAL	Meter: 75733 Location: Hodges #14 Coordinates: Letter: O Section 21 Township: 26 Range: 8 Or Latitude Longitude Longitude Date Started: 9:28-94 Run: 11 21
FIELD OBSERVATIONS	Sample Number(s): 12' Feet Final PID Reading PID Reading Depth Feet Yes No Groundwater Encountered
CLOSURE	Remediation Method: Excavation
REMARKS	Remarks: Some Line markers. Soil Clean
	Signature of Specialist: Kelly Padella

(SP3191) 03/16/94

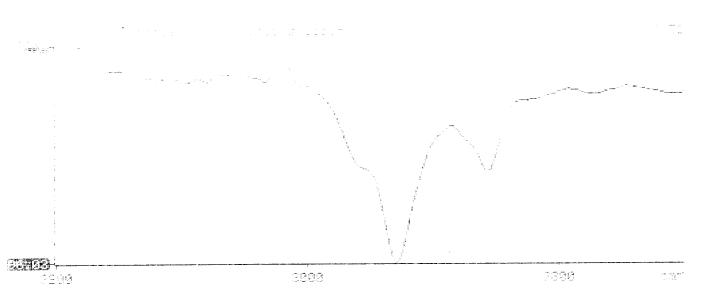
Netural Gas Company

FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	- 94 2	9-29-	N/A ·	and telan	
75733 9-28-9 2-29-1 10-3 VG-	N/	15) (A	N/A ·	and tala	
75733 9-28-9 2-29-1 10-3 VG-	N/	4-29- /0-	6-94 0	and telan	
2-28-9 2-29-1 10-3 VG	- 94 97 7	4-29- /0-	arl 6-94	and telan	
, o - 3 √G-	- 94 - 94	g-29-	6-94	and telan	
, o - 3 √G-	- 94	10-	6-94	and tday	
√ G- F				and tolan	
F		Jughet Dion	M the 5	and Tagg	
	RESULTS				
01117					
SULT	UNITS	QUALIFIERS			
		DF	<u> </u>	[M(g)]	V(ml
.025	MG/KG	(
. cas	MG/KG				
. c as	MG/KG	1			
, 625	MG/KG				
0.10	MG/KG				
3 48.0	MG/KG			2.03	28
3	PPM				
12.7	%				
	% for this samp	ie All QA/QC	was accep	ptable.	
	. C25 . C25 . C25 . C25 . C25 . C25 . C25	MG/KG PPM MG/KG PPM MG/KG MG/KG PPM MG/KG MG/KG PPM MG/KG PPM MG/KG MG/KG PPM MG/KG MG/KG PPM MG/KG MG/KG PPM MG/KG PPM MG/KG MG/KG PPM MG/KG MG/KG MG/KG PPM MG/KG MG/KG MG/KG PPM MG/KG MG/KG MG/KG PPM MG/KG MG/KG MG/KG MG/KG PPM MG/KG	MG/KG All QA/QC More and the control of the	MG/KG MG	DF Q M(g)





GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)

CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 409445

PROJECT #

: 24324

PROJECT NAME : PIT CLOSURE

SAMPLE ID. # CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
10 946248	NON-AQ	09/28/94	10/03/94	10/06/94	1
PARAMETER		UNITS	10		
BENZENE		MG/KG	<0.025		
TOLUENE		MG/KG	<0.025		
ETHYLBENZENE		MG/KG	<0.025		
TOTAL XYLENES		MG/KG	<0.025		

SURROGATE:

BROMOFLUOROBENZENE (%)

96



ATI I.D. 409445

October 13, 1994

El Paso Natural Gas Co. P.O. Box 4990 Farmington, NM 87499

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 09/30/94, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze non-aqueous samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.

Project Manager

MR:jt

Enclosure

H. Mitchell Rubenstein, Ph.D. Laboratory Manager