

Remond Fort
DEPUTY CHIEF OF BUREAU

DEC 29 1997

Approved

Meter Number: 75586
Location Name: STOREY C #1
Location: TN-28 RG-09
SC-34 UL-J
2 - Federal
NMOCD Zone: OUTSIDE
Hazard Ranking Score: 00

RECEIVED
APR 14 1997

OIL CON. DIV.
DIST. 8

**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

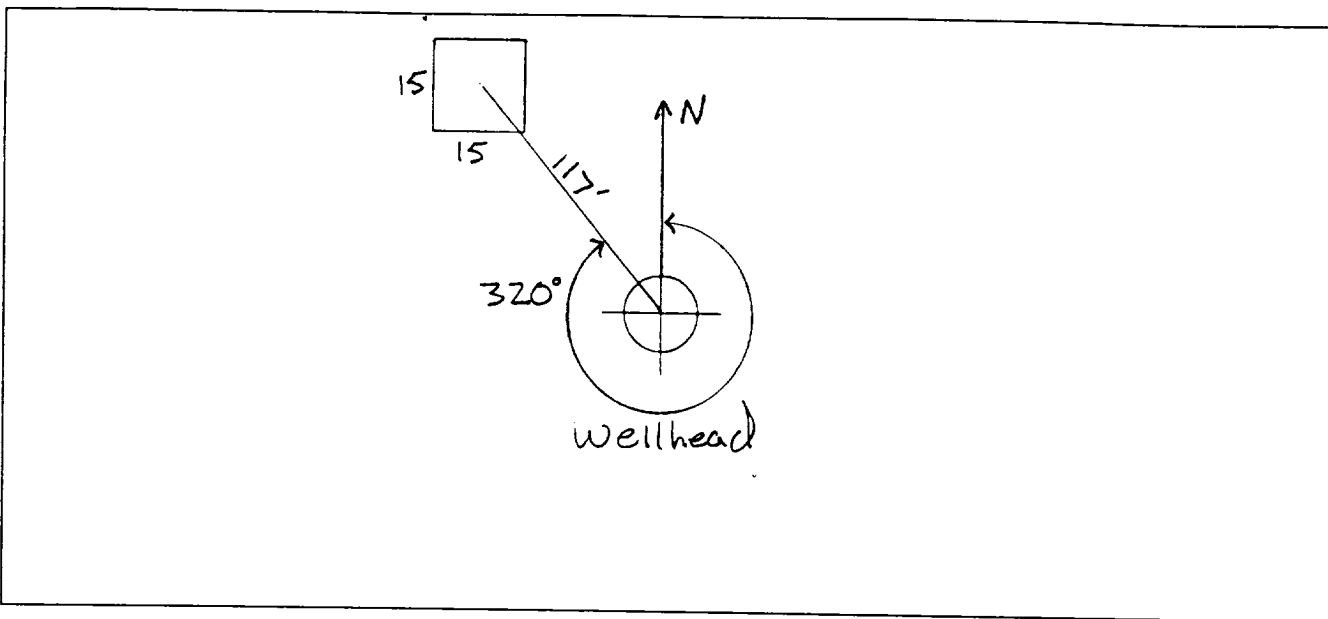
GENERAL	<p>Meter: <u>75586</u> Location: <u>Storey C No. 1</u> Operator #: <u>0203</u> Operator Name: <u>AMOCO</u> P/L District: <u>Ballard</u> Coordinates: Letter: <u>I</u> Section <u>34</u> Township: <u>28</u> Range: <u>9W</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____ Site Assessment Date: <u>6-9-94</u> Area: <u>11</u> Run: <u>92</u></p>
	<p>NMOCD Zone: (From NMOCD Maps) Inside <input type="checkbox"/> (1) Outside <input checked="" type="checkbox"/> (2)</p> <p>Land Type: BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____</p> <p>Depth to Groundwater Less Than 50 Feet (20 points) <input type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input checked="" 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>6</u> POINTS</p>
REMARKS	<p>Remarks : <u>Three pits. Dehy 'pit' is at grade (no pit) with a fence around it. Just pull fencing outside V.Z. on Red Line & Topo</u></p>

PUSH IN

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 320 Footage from Wellhead 117
b) Length : 15 Width : 15 -Depth : 0



REMARKS

Remarks :

Photos @ 1414

Completed By:

[Signature]

Signature

6-9-94

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: <u>75586</u> Location: <u>Storey C.#1</u> Coordinates: Letter: <u>J</u> Section <u>34</u> Township: <u>28</u> Range: <u>9W</u> Or Latitude _____ Longitude _____ Date Started : <u>9-12-94</u> Run: <u>11</u> <u>92</u>
FIELD OBSERVATIONS	Sample Number(s): <u>VW269</u> <u>VW270</u> <u>VW271</u> Sample Depth: <u>5'</u> Feet Final PID Reading <u>244</u> PID Reading Depth <u>5'</u> Feet <div style="text-align: center;">Yes No</div> Groundwater Encountered <input type="checkbox"/> <input checked="" type="checkbox"/> Approximate Depth _____ Feet
CLOSURE	Remediation Method : <div style="display: flex; justify-content: space-between;"> <div> Excavation Onsite Bioremediation Backfill Pit Without Excavation </div> <div style="text-align: right;"> <input type="checkbox"/> Approx. Cubic Yards _____ <input type="checkbox"/> <input checked="" type="checkbox"/> </div> </div> Soil Disposition: <div style="display: flex; justify-content: space-between;"> <div> Envirotech <input type="checkbox"/> Other Facility <input type="checkbox"/> </div> <div> <input type="checkbox"/> Tierra Name: _____ </div> </div> Pit Closure Date: <u>9-12-94</u> Pit Closed By: <u>BEI</u>
REMARKS	Remarks : <u>5' sandstone</u> _____ _____
	Signature of Specialist: <u>Vale Wilson</u>

HAZARDOUS SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW 269	946102
MTR CODE SITE NAME:	75586	N/A
SAMPLE DATE TIME (Hrs):	9-12-94	1400
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	9-13-94	9-13-94
DATE OF BTEX EXT. ANAL.:	N/A	N/A
TYPE DESCRIPTION:	VG	Lt. Brown Coarse Sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	271.2 Inv 9/14/94	MG/KG			2.12	28
HEADSPACE PID	244	PPM				
PERCENT SOLIDS	93.8	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

[Signature]

Date:

9/30/94

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*****
Test Method for
Oil and Grease and Petroleum Hydrocarbons
in Water and Soil
*****
Perkin-Elmer Model 1600 FT-IR
Analysis Report
*****

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94/09/13 15:24

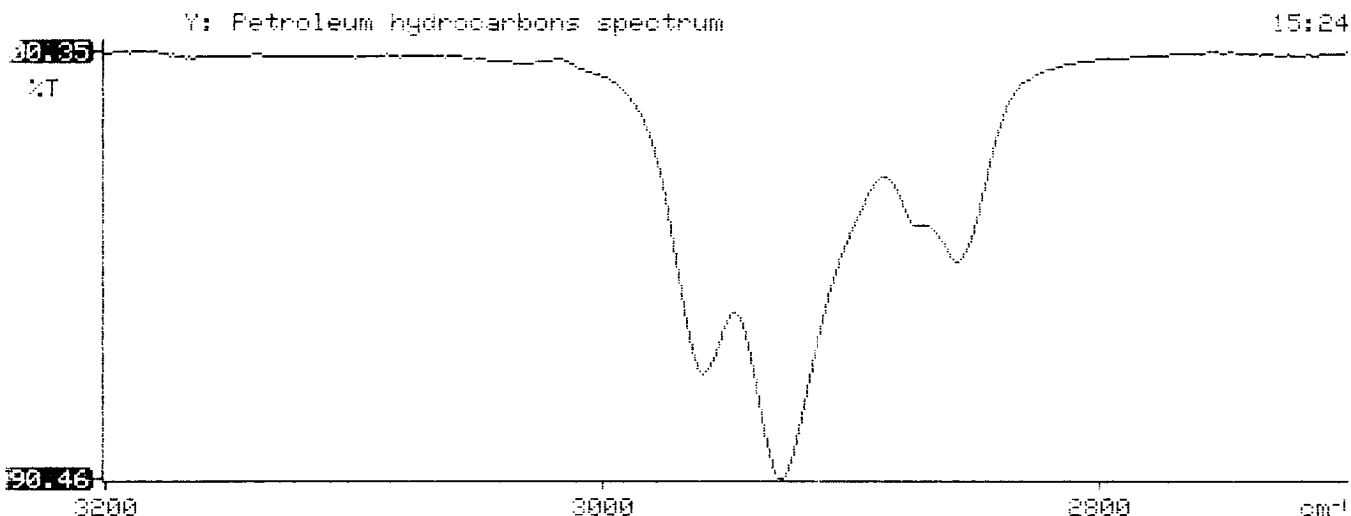
Sample identification
946102

Initial mass of sample, g
2.120

Volume of sample after extraction, ml
28.000

Petroleum hydrocarbons, ppm
271.206

Net absorbance of hydrocarbons (2930 cm^{-1})
0.045



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

COPY

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals		5. LEASE DESIGNATION AND SERIAL NO. SF 077111
SUBMIT IN TRIPLICATE		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. IF UNIT OR CA, AGREEMENT DESIGNATION STOREY C	
2. NAME OF OPERATOR CONOCO INC.	8. WELL NAME AND NO. #1	
3. ADDRESS AND TELEPHONE NO. 10 Desta Drive, Suite. 100W Midland, Texas 79705-4500 (915) 686-5424	9. API WELL NO. 30-045-11895	
4. LOCATION OF WELL (Footage, Sec., T., R., M., or Survey Description) 1515' FSL & 1765' FEL, UNIT LETTER 'J', SEC. 34, T28N, R09W	10. FIELD AND POOL, OR EXPLORATORY AREA BASIN DAKOTA	
11. COUNTY OR PARISH, STATE SAN JUAN COUNTY, NM		
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice		<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other: <u>Tubing repairs</u> <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)		
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) 04/03/98 MIRU, 450# csg, 310# tbg. Bled down & killed tbg w/30 bbls 1% KCl. Could not release tbg hanger locking screws. Called ERC for service. Could not repair. Chisel cut locking screws out. NUBOP. POOH w/ 2-3/8" EUE tbg, standing back. PU 4-1/2" Hali. R4 pkr. RIH 1 stand & set. Changed out WH. POOH w/ tbg, LD pkr. Start back in hole w/ 2-3/8" EUE tbg., press testing & checking drift. 04/06/98 Csg 380#. Bled down well; killed w/15 bbls 1% KCl. RIH w/ prod sting; press testing & checking drift. Load 8 jts 2-3/8" EUE, 4.7#, 213 jts 2-3/8" EUE, 4.7#, 8RD, J-55 tbg. EOT @ 6763' KB. NDBOP. NUWH. RU to swab. 04/07/98 Made 10 runs to recover 20 bbls load H2O. Well started flowing. RDMO.		
14. I hereby certify that the foregoing is true and correct		
SIGNED _____		TITLE SYLVIA JOHNSON, As Agent for Conoco Inc. DATE 05/07/98
(This space for Federal or State office use)		
APPROVED BY _____		TITLE _____ DATE MAY 11 1998
Conditions of approval, if any:		
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		

* See Instruction on Reverse Side

NMOCO

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MAY 13 1998
OIL CON. DIV.
DIST. 3

ACCEPTED FOR RECORD