

District I  
PO Box 1900, Hobbs, NM 88241-1900  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Bravo Rd., Aztec, NM 87410  
District IV  
2047 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-21584		2 Pool Code 96425		3 Pool Name WILDCAT 24N07W2E-DAKOTA (C)	
4 Property Code 6666		5 Property Name MILLER B			6 Well Number 6
7 OGRID No. 22044		8 Operator Name M'ELVAIN OIL & GAS PROPERTIES, INC.			9 Elevation 6806

10 Surface Location

UL or lot no. G	Section 12	Township 24N	Range 07W	Lot Ida	Feet from the 1460	North/South line NORTH	Feet from the 2285	East/West line EAST	County RA
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No. N.S.P.-1293
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16						17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Anna M. Griego Printed Name Expl. & Prod. Administrator Title 1/9/96 Date
						18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  Date of Survey Signature and Seal of Professional Surveyer:  Certificate Number

RECEIVED  
JAN 1 1996  
OIL CON. DIV.  
DIST. 3

*Dennis E. Faust*  
DEPUTY OIL & GAS INSPECTOR

DEC 29 1997

*Approved*

Meter Number:03501  
Location Name:MILLER B #6  
Location:TN-24 RG-07  
SC-12 UL-G  
2 - Federal  
NMOCD Zone:OUTSIDE  
Hazard Ranking Score:00

RECEIVED  
APR 14 1997

OIL CON. DIV.  
DIST. 3

**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.

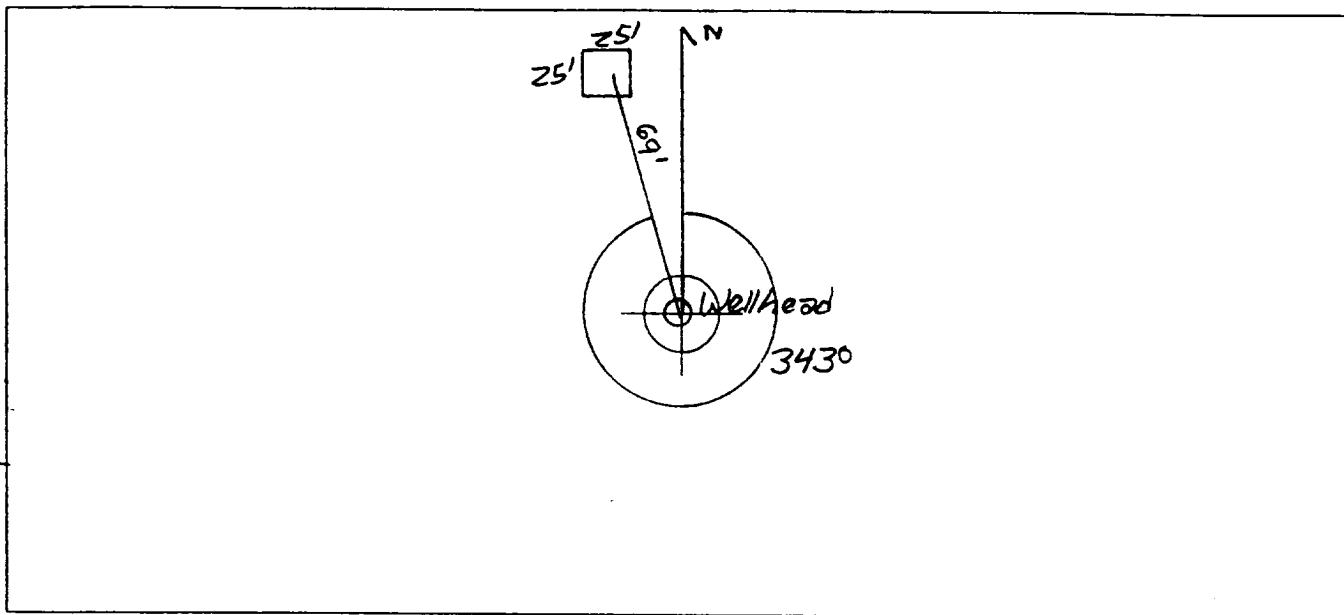
Based on the above information, it is highly unlikely that any source material will impact groundwater or ever find an exposure pathway to affect human health and therefore El Paso Field Services Company (EPFS) requests closure of this pit location.

**FIELD PIT SITE ASSESSMENT FORM**

GENERAL	Meter: <u>03-50</u> Location: <u>Miller "B" #6</u> Operator #: <u>5935</u> Operator Name: <u>McElvain T.H.</u> P/L District: <u>Ballard</u> Coordinates: Letter: <u>G</u> Section <u>12</u> Township: <u>24</u> Range: <u>7</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: <input checked="" type="checkbox"/> Line Drip: _____ Other: _____ Site Assessment Date: <u>07/06/94</u> Area: <u>07</u> Run: <u>62</u>	
SITE ASSESSMENT	<b>NMOCD Zone:</b> (From NMOCD Maps)	
	Inside <input type="checkbox"/> (1) Outside <input checked="" type="checkbox"/> (2)	<b>Land Type:</b> BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____
	<b>Depth to Groundwater</b> 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)	
	<b>Wellhead Protection Area :</b> 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)	
	<b>Horizontal Distance to Surface Water Body</b> 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)	
REMARKS	Name of Surface Water Body <u>Rockhouse Canyon</u> (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' <b>TOTAL HAZARD RANKING SCORE:</b> <u>0</u> POINTS	
	Remarks : <u>Redline Book (see back) Outside Vulnerable Zone Type - Outside</u> <u>Three pits, location drip pit is dry, will close one pit.</u> <div style="text-align: right;"><u>Pine &amp; Jm</u></div>	

# ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 343° Footage from Wellhead 69'  
 b) Length : 25' Width : 25' Depth : 5'



## REMARKS :

Pictures @ 13:38 (9-12, Roll 2)

Dump Truck

This meter isn't shown in the redline book.

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Completed By:

Sarah Kelly  
 Signature

7/6/94  
 Date

# FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 0350' Location: Miller "B" #6

Coordinates: Letter: 6 Section 12 Township: 24 Range: 7

Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Date Started : 8-26-94 Area: 07 Run: 62

FIELD OBSERVATIONS

Sample Number(s): MK295

Sample Depth: 5' Feet

Final PID Reading 124 PID Reading Depth 5' Feet

Yes No

Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth \_\_\_\_\_ Feet

CLOSURE

Remediation Method :

Excavation ☐ (1) Approx. Cubic Yards \_\_\_\_\_

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☒ (3)

Soil Disposition:

Envirotech ☐ (1) ☐ (3) Tierra

Other Facility ☐ (2) Name: \_\_\_\_\_

Pit Closure Date: 8-26-94 Pit Closed By: BEI

REMARKS

Remarks : FRNG lines marked soil gray slight Hydrocarbon  
odor hit sandstones'

Signature of Specialist: Morgan Xillia



**FIELD SERVICES LABORATORY  
ANALYTICAL REPORT**

**PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone**

**SAMPLE IDENTIFICATION**

	Field ID	Lab ID
SAMPLE NUMBER:	mk 295	946021
MTR CODE   SITE NAME:	03501	N/A
SAMPLE DATE   TIME (Hrs):	8/24/94	1125
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	8-30-94	8/30/94
DATE OF BTEX EXT.   ANAL.:	N/A	N/A
TYPE   DESCRIPTION:	VG	Brown / green Sand & Sandstone

REMARKS:

**RESULTS**

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	3510	MG/KG			2.05	28
HEADSPACE PID	124	PPM				
PERCENT SOLIDS	70.8	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

*JD*

Date:

*9/2/94*

Yorkin-Rimer Model 1600 RT-IR  
Serial No. 24004