

DISTRICT I  
P.O. BOX 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Box DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**  
2040 Pacheco St.  
Santa Fe, NM 87505

Form C-104  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1. OPERATOR NAME AND ADDRESS CONOCO INC. 10 DESTA DR, SUITE 100W MIDLAND, TX 79705		2. OGRID NUMBER 005073
		3. REASON FOR FILING CODE RC
4. API NUMBER 30-039-22359	5. POOL NAME BLANCO MESAVERDE	6. POOL CODE 72319
7. PROPERTY CODE 016608	8. PROPERTY NAME SAN JUAN 28-7 UNIT	9. WELL NUMBER 242#M

II. 10. SURFACE LOCATION

U/I or lot no. M5	Section 07	Township 28N	Range 07W	Lot Idn	Feet from the 900	North/South line SOUTH	Feet from the 800	East/West line WEST	County RIO ARRIBA
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11. BOTTOM HOLE LOCATION

U/I or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12. Lse Code F	13. Producing Method Code	14. Gas Connection Date 11-11-96	15. C-129 Permit Number	16. C-129 Effective Date	17. C-129 Expiration Date				

III. OIL AND GAS TRANSPORTERS

18. Transporter OGRID	19. Transporter Name and Address	20. POD	21. O/G	22. POD ULSTR Location and Description
009018	GIANT REFINERY 60001 HWY 64 BLOOMFIELD, NM 87402	109310	O	M5 07, T28N, R07W PLEASE ASSIGN NEW POD
151618	EL PASO FIELD SERVICES DESTEC TOWER, 2500 CITY WEST BLVD. HOUSTON, TX 77042	109330	G	M5 07, T28N, R07W PLEASE ASSIGN NEW POD

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IV. PRODUCED WATER

23. POD 109350	24. POD ULSTR LOCATION AND DESCRIPTION M5, 07, T28N, R07W PLEASE ASSIGN NEW POD
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OIL CON. DIV.  
DIST. 3

V. WELL COMPLETION DATA

25. SPUD DATE 2-7-81	26. READY DATE 11-11-96	27. TD 7576	28. PBDT 7568	29. PERFORATIONS 4662' - 5634'	30. DHC, DC, MC R-10476
31. HOLE SIZE	32. CASING & TUBING SIZE	33. DEPTH SET	34. SACKS CEMENT		
	9 5/8	251	224		
	7	3390	392		
	4 1/2	7576	648		
	2-3/8" TBG	7350'			

VI. WELL TEST DATA

35. DATE NEW OIL 11-11-96	36. GAS DELIVERY DATE 11-11-96	37. TEST DATE 11-11-96	38. TEST LENGTH 24 HRS	39. TBG. PRESSURE 295	40. CSG. PRESSURE 440
41. CHOKE SIZE OPEN	42. OIL 13	43. WATER 8	44. GAS 732	45. AOF	46. TEST METHOD F

47. I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Debra Bemenderfer*

Printed Name: DEBRA BEMENDERFER

Title: AGENT FOR CONOCO INC.

Date: 1-28-97

Phone: 915-686-5424

OIL CONSERVATION DIVISION

Approved by:

Printed Name: SUPERVISOR DISTRICT #3

Title:

Approval Date: MAR 17 1997

48. If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
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INSPECTOR

REC 29 1997

*Approved*

Meter Number: 93797

Location Name: SAN JUAN 28-7 UNIT #242E

Location: TN-28 RG-07

SC-07 UL-E M

2 - Federal

NMOCD Zone: OUTSIDE

Hazard Ranking Score: 00

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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: 93797 Location: San Juan 28-7 Unit 242E  
 Operator #: 0203 Operator Name: Ameco P/L District: Blanco  
 Coordinates: Letter: E Section 7 Township: 28 Range: 7  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Pit Type: Dehydrator ☒ Location Drip: \_\_\_\_\_ Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
 Site Assessment Date: 6/9/94 Area: 13 Run: 71

**SITE ASSESSMENT**

**NMOCD Zone:**

(From NMOCD  
Maps)

Inside  
Outside

**Land Type:**

☐ (1)  
☒ (2)

BLM ☒ (1)  
State ☐ (2)  
Fee ☐ (3)  
Indian \_\_\_\_\_

**Depth to Groundwater**

Less Than 50 Feet (20 points) ☐ (1)  
 50 Ft to 99 Ft (10 points) ☐ (2)  
 Greater Than 100 Ft (0 points) ☒ (3)

**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? ☐ (1) YES (20 points) ☒ (2) NO (0 points)

**Horizontal Distance to Surface Water Body**

Less Than 200 Ft (20 points) ☐ (1)  
 200 Ft to 1000 Ft (10 points) ☐ (2)  
 Greater Than 1000 Ft (0 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:** 0 **POINTS**

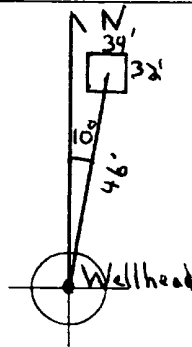
**REMARKS**

Remarks : Redlined Vuln - Outside  
3 pits. Will close 1. Pit Dry

PUSH IN

### ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 10° Footage from Wellhead 46'  
b) Length : 39' Width : 32' Depth : 4'



### REMARKS :

Pictures @ 0955 (6-9)  
End Dump

Completed By:

Cory Chase  
Signature

6/9/94  
Date

# FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>93797</u> Location: <u>San Juan 28-7 Unit 242 E</u></p> <p>Coordinates: Letter: <u>E</u> Section <u>7</u> Township: <u>28</u> Range: <u>7</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>8-31-94</u> Run: <u>13</u> <u>71</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>VW237</u></p> <p>Sample Depth: <u>9'</u> Feet</p> <p>Final PID Reading <u>187</u> PID Reading Depth <u>9'</u> Feet</p> <p>Groundwater Encountered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Approximate Depth _____ Feet</p>
CLOSURE	<p>Remediation Method :</p> <p>Excavation <input type="checkbox"/> Approx. Cubic Yards _____</p> <p>Onsite Bioremediation <input type="checkbox"/></p> <p>Backfill Pit Without Excavation <input checked="" type="checkbox"/></p> <p>Soil Disposition:</p> <p>Envirotech <input type="checkbox"/> Tierra <input type="checkbox"/></p> <p>Other Facility <input type="checkbox"/> Name: _____</p> <p>Pit Closure Date: <u>8-31-94</u> Pit Closed By: <u>BEZ</u></p>
REMARKS	<p>Remarks : <u>9' sandstone</u> <u>2 loads dirt</u></p>
	<p>Signature of Specialist: <u>Vak Wilson</u></p>



FIELD SERVICES LABORATORY  
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW 237	946044
MTR CODE   SITE NAME:	93797	N/A
SAMPLE DATE   TIME (Hrs):	8-31-94	1350
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	9-1-94	9/1/94
DATE OF BTEX EXT.   ANAL.:	N/A	N/A
TYPE   DESCRIPTION:	VG	Brown/gray Sand & Sandstone -

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
TPH (418.1)	468	MG/KG			2.06	28
HEADSPACE PID	187	PPM				
PERCENT SOLIDS	93.2	%				

-- TPH is by EPA Method 418.1 --

Narrative:

DF = Dilution Factor Used

Approved By:

Date:

9/30/94

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

24/09/01 13:49

Sample identification  
 246044

Initial mass of sample, g  
 1.060

Volume of sample after extraction, ml  
 18.000

Petroleum hydrocarbons, ppm  
 168.124

Net absorbance of hydrocarbons (2930  $\text{cm}^{-1}$ )  
 0.069

