District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 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-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	[2] OGRID Number
ENERGEN RESOURCES CORPORATION 2198 Bloomfield Hwy Farmington NM 87401	162928
	[3] Reason for Filing Code CH 10-1-98

[4] API Number	[5] Pool Name	[6] Pool Code
30-0 30-045-25311	BASIN DAKOTA	71599
[7] Property Code	**[8] Property Name**	**[9] Well Number**
22885	CHARLEY HOSH	1E

II. [10] Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	12	27N	13W		1850	S	1540	E	SJ

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
F					

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description

RECEIVED
SEP 22 1998
OIL CON. DIV.
DIST. 3

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations	[30] DHC, DC, MC

[31] Hole Sie	[32] Casing & Tubing Size	[33] Depth Set	[34] Sacks Cement

VI. Well Test Data

[35] Date New Oil	[36] Gas Delivery Date	[37] Test Date	[38] Test Length	[39] Tbg. Pressure	[40] Csg. Pressure

[41] Choke Size	[42] Oil	[43] Water	[44] Gas	[45] AOF	[46] Test Method

[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:

Printed name: Original signed by Joe Niederhofer

Title: General Manager

Date: 17-Sep-98 Phone: 505-325-6800

OIL CONSERVATION DIVISION

Approved by:

Title: SUPERVISOR DISTRICT #3

Approval Date: OCT 1 1998

[47] 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
	Taurus Exploration U.S.A., Inc. #162928		1-Oct-98

Risk-bedrock

EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE Dehy

Charlie Hosh #1E
Meter/Line ID – 94561

SITE DETAILS

Legals - Twn: 27N **Rng: 13W** **Sec: 12** **Unit: J**
NMOCD Hazard Ranking: 0 **Land Type: Navajo**
Operator: M. R. Schalk **Pit Closure Date: 11/17/95**

RATIONALE FOR RISK-BASED CLOSURE

The pit noted above was assessed and ranked according to the criteria in the New Mexico Oil Conservation Division's (NMOCD) Unlined Surface Impoundment Closure Guidelines.

A test pit was excavated to 5' where sandstone was encountered. The excavation was terminated at 5' and a soil sample was collected for field headspace analysis and laboratory analysis for TPH and BTEX. Groundwater was not encountered in the test pit. The pit was backfilled and graded in a manner to direct surface runoff away from the pit area. Headspace analysis indicated an organic vapor content of 234 ppm; laboratory analysis indicated a TPH concentration of 1740 mg/kg and total BTEX of 115 mg/kg.

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

- The primary source, discharge to the pit, has been removed for over four years.
- Bedrock was encountered in the test excavation at five feet below ground surface making remediation impractical.
- The test pit was backfilled with clean soil and the former pit area graded to direct surface runoff away from the former pit.
- Source material has been removed from the ground surface, eliminating potential direct contact with livestock and the public.
- Groundwater was not encountered in the test excavation. In addition, the estimated depth to groundwater is greater than 100 feet; therefore, impact to groundwater is unlikely.
- There are no water supply wells or potential surface water receptors within 1,000 feet of the site.
- Residual hydrocarbons in the soil will degrade by natural attenuation with minimal risk to the environment.

ATTACHMENT

Revised Field Pit Assessment Form
Field Pit Remediation/Closure Form
Field Pit Assessment Form
Laboratory Analytical Results

REVISED
FIELD PIT SITE ASSESSMENT FORM

✓

GENERAL

Meter: 94561 Location: CHARLES HOSH #1E
Operator #: _____ Operator Name: M.R. SCHALK P/L District: _____
Coordinates: Letter: J Section 12 Township: 27 Range: 13
Or Latitude _____ Longitude _____
Pit Type: Dehydrator X Location Drip: _____ Line Drip: _____ Other: _____
Site Assessment Date: 5·18·98 Area: _____ Run: _____

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps)
Inside ☐ (1)
Outside ☒ (2)

Land Type:
BLM ☐ (1)
State ☐ (2)
Fee ☐ (3)
Indian NAVAJO

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, 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 : Site has been re-assessed, due to initial assessment including washes as a Surface Water Body. LOCATION IS IN A REMOTE AREA ON A MESA NORTH OF CHARLIE WASH.

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 94561 Location: Charlie Hosh #1E
Operator #: 0203 Operator Name: ~~SCHALK~~ Amoco P/L District: Angel Peak
cmc 1/25/95
Coordinates: Letter: J Section 12 Township: 27 Range: 13
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ✓ Location Drip: ___ Line Drip: ___ Other: _____
Site Assessment Date: 1/23/95 Area: 01 Run: 33

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps)
Inside ☐ (1)
Outside ☒ (2)

Land Type:
BLM ☐ (1)
State ☐ (2)
Fee ☐ (3)
Indian Navajo

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) cmc 1/25/95 ☒ (1)
200 Ft to 1000 Ft (10 points) ☒ (2)
Greater Than 1000 Ft (0 points) ☐ (3)
Name of Surface Water Body Charlie Wash
(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: cmc 1/25/95 ~~40~~ 30 **POINTS**

REMARKS

Remarks : Redline Book: Inside Vulnerable Zone Topo: Outside
2 pits. Closed.

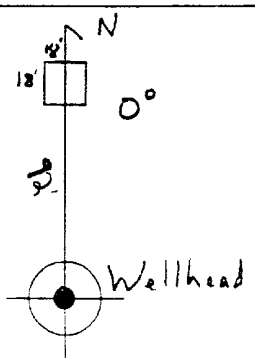
PUSH-IN

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 0° Footage from Wellhead 92'

b) Length : 18' Width : 18' Depth : 4'



REMARKS

Remarks :

Pictures @ 1215 hr 5 - 8 roll 1

Completed By:

Cory Clouse
Signature

1/22/94
Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 94561 Location: Charlie Hash #1E

Coordinates: Letter: J Section 12 Township: 22 Range: 13

Or Latitude _____ Longitude _____

Date Started : 11/17/95 Run: 01 33

FIELD OBSERVATIONS

Sample Number(s): JK143 _____ _____ _____

Sample Depth: 5' Feet

Final PID Reading 234.0 PID Reading Depth 5' Feet

	Yes	No
Groundwater Encountered	☐	☒

Approximate Depth _____ Feet

CLOSURE

Remediation Method :

- Excavation ☐ Approx. Cubic Yards 0 LT 11/27/95
- Onsite Bioremediation ☐
- Backfill Pit Without Excavation ☒

Soil Disposition:

- Envirotech ☐ ☐ Tierra
- Other Facility ☐ Name: _____

Pit Closure Date: 11/17/95 Pit Closed By: Philip

REMARKS

Remarks : This Pit was a Push In
Hit Rock at 5' Fence size 21X21 No
more than 100' From Ephemral Strem
No EPNG on Site

Signature of Specialist: Jeff K. Kirk

(SP3191) 03/16/

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JK143	947798
MTR CODE | SITE NAME:	94561	Charlie Hash #1E
SAMPLE DATE | TIME (Hrs):	11-17-95	1430
PROJECT:	Phase I Navajo	
DATE OF TPH EXT. | ANAL.:	11/27/95	
DATE OF BTEX EXT. | ANAL.:	11/20/95	11/20/95
TYPE | DESCRIPTION:	V6	Light brown Sand

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< 0.5	MG/KG				
TOLUENE	16.4	MG/KG				
ETHYL BENZENE	6.8	MG/KG				
TOTAL XYLENES	91.7	MG/KG	2	D		
TOTAL BTEX	115	MG/KG				
TPH (418.1)	1740	MG/KG			2.0	28
HEADSPACE PID	234.0	PPM				
PERCENT SOLIDS	93.0	%				

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

The Surrogate Recovery was at 106%/103% for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: _____ Date: 11/28/95

BTEX SOIL SAMPLE WORKSHEET

File	: 947798	**Date Printed**	: 11/21/95	
Soil Mass (g)	: 5.01	**Multiplier (L/g)**	: 0.00100	
Extraction vol. (mL)	: 10	**CAL FACTOR (Analytical):**	400	
Shot Volume (uL)	: 25	**CAL FACTOR (Report):**	0.39920	
		DILUTION FACTOR:	**2**	**Det. Limit**
Benzene (ug/L)	: 0.37	**Benzene (mg/Kg):**	**0.148**	0.998
Toluene (ug/L)	: 43.89	**Toluene (mg/Kg):**	**17.521**	0.998
Ethylbenzene (ug/L)	: 16.62	**Ethylbenzene (mg/Kg):**	**6.635**	0.998
p & m-xylene (ug/L)	: 189.89	p & m-xylene (mg/Kg):	75.804	1.996
o-xylene (ug/L)	: 39.76	o-xylene (mg/Kg):	15.872	0.998
		Total xylenes (mg/Kg):	**91.677**	2.994
		Total BTEX (mg/Kg):	**115.980**	