

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

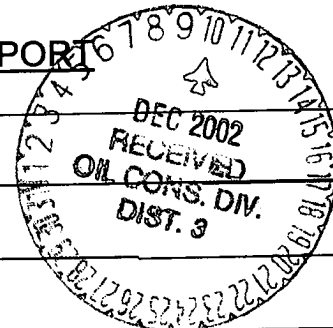
State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 1 copy to
appropriate
District Office
and 1 copy to
the Santa Fe Office
(Revised 3/9/94)

OK
defined
plume

PIT REMEDIATION AND CLOSURE REPORT



Operator: Benson Telephone: _____

Address: 30-045-06075

Facility Or: Wininger State No. 1, Meter 74198
Well Name _____

Location: Unit or Qtr/Qtr Sec A Sec 2 T 26 R 11 County San Juan

Pit Type: Separator _____ Dehydrator X Other _____

Land Type: BLM _____, State X, Fee _____ Other _____

Pit Location: Pit dimensions: length 16', width 16', depth 3'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 70'

Direction from reference: 300 Degrees X East North _____
of _____ West South _____

Depth To Ground Water (Vertical distance from contaminants to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points)
	50 feet to 99 feet	(10 points)
	Greater than 100 feet	(0 points) <u>0</u>

Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources.)	Yes (20 points)
	No (0 points) <u>0</u>

Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches.)	Less than 200 feet	(20 points)
	200 feet to 1000 feet	(10 points)
	Greater than 1000 feet	(0 points) <u>0</u>

RANKING SCORE (TOTAL POINTS): 0 Revised score

Date Remediation Started: 02/09/95 Date completed: 02/09/95

Remediation Method: Excavation X Approx. cubic yards 40

(Check all appropriate sections.)

Landfarmed _____ Insitu Bioremediation _____

Other _____

Remediation Location: Onsite _____ Offsite Envirotech
(i.e. landfarmed onsite,
name and location of
offsite facility)

General Description of Remedial Action: Some line markers. Started remediating to 12'. Soil brown looking with a H.C. odor.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit:
Closure Sampling:
(if multiple samples,
attach sample results
and diagram of sample
locations and depths)

Sample location Four walls and center of pit composite

Sample depth 12'

Sample Date 02/09/95 Sample time 14:20

Sample Results

Benzene(ppm) <0.25

Total BTEX(ppm) 1.96

Field headspace(ppm) 764

TPH 1400

Ground Water Sample: Yes _____ No X (If yes, attach sample results)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Date 1/8/03

Signature

Scott T. Pope

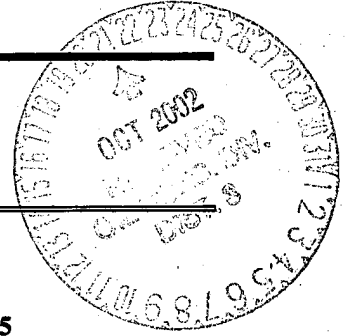
Printed Name
and Title

Scott T. Pope
Senior ENV. Scientist



PIT CLOSURE REQUEST

**Winger State No. 1
Meter/Line ID 74198**



SITE DETAILS

**Legals - Twn: 26N
NMOCD Hazard Ranking: 0
Operator: Benson**

Rng:11

**Sec:2 Unit: A
Land Type: State
Pit Closure Date: 02/09/95**

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.

The pit was excavated to 12 feet (ft) below ground surface (bgs) to the practical extent of the equipment, and a soil sample was collected for field headspace analysis and laboratory analysis for BTEX and TPH. Groundwater was not encountered in the test pit. Headspace analysis indicated an organic vapor content of 9 ppm; laboratory analysis indicated a benzene concentration of <0.25 mg/kg, a total BTEX concentration of 1.96 mg/kg, and a TPH concentration of 1,400 mg/kg. The benzene and total BTEX concentrations were below recommended remediation level for the Hazard Ranking Score of 0. The TPH concentration was also below its recommended remediation levels for the Hazard Ranking Score.

Approximately 40 cubic yards of soil were excavated and hauled to Envirotech, a commercial landfarm, for treatment and disposal. The pit was backfilled with clean soil and graded in a manner to direct surface runoff away from the pit area.

A Phase II boring was completed to 25 ft below ground surface (bgs). No groundwater was encountered in the soil boring. One laboratory sample was collected at 23-25 ft bgs. Headspace analysis indicated an organic vapor content of 10 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, a total BTEX concentration of <3 mg/kg, and a TPH concentration of 136 mg/kg. Benzene and BTEX concentrations were below recommended remediation levels for the Hazard Ranking Score. The TPH concentration was also below its recommended remediation level of 5,000 mg/kg for the Hazard Ranking Score of 0.

El Paso Field Services 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 seven years.
- The impacted soil was excavated to the practical extent of the equipment and disposed of offsite.
- The excavation was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Backfilling the pit with clean soil eliminated the potential for direct contact with hazardous constituents by livestock or the public; i.e., direct contact exposure pathways are incomplete.
- Groundwater was not encountered in the soil boring to 25 ft bgs.



PIT CLOSURE REQUEST

- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- The TPH concentration at the base of the soil boring at 23 ft bgs of 136 mg/kg is well below the criterion of 5,000 mg/kg. The concentration at 23 ft bgs is also less than 10% of the concentration at 12 ft bgs, indicating that significant downward constituent migration is not occurring. Furthermore, this reduction in concentration with depth indicates that residual hydrocarbons in the soil will likely degrade by natural attenuation with minimal risk to the environment.
- Based on the drill log, near refusal conditions were encountered at 23'-25' bgs (100 blow/foot of sample).

ATTACHMENTS

Field Pit Assessment Form

Revised Field Pit Assessment Form

Field Pit Remediation/Closure Form

Phase 2 Soil Boring Log

Laboratory Analytical Results

FIELD PIT SITE ASSESSMENT FORM

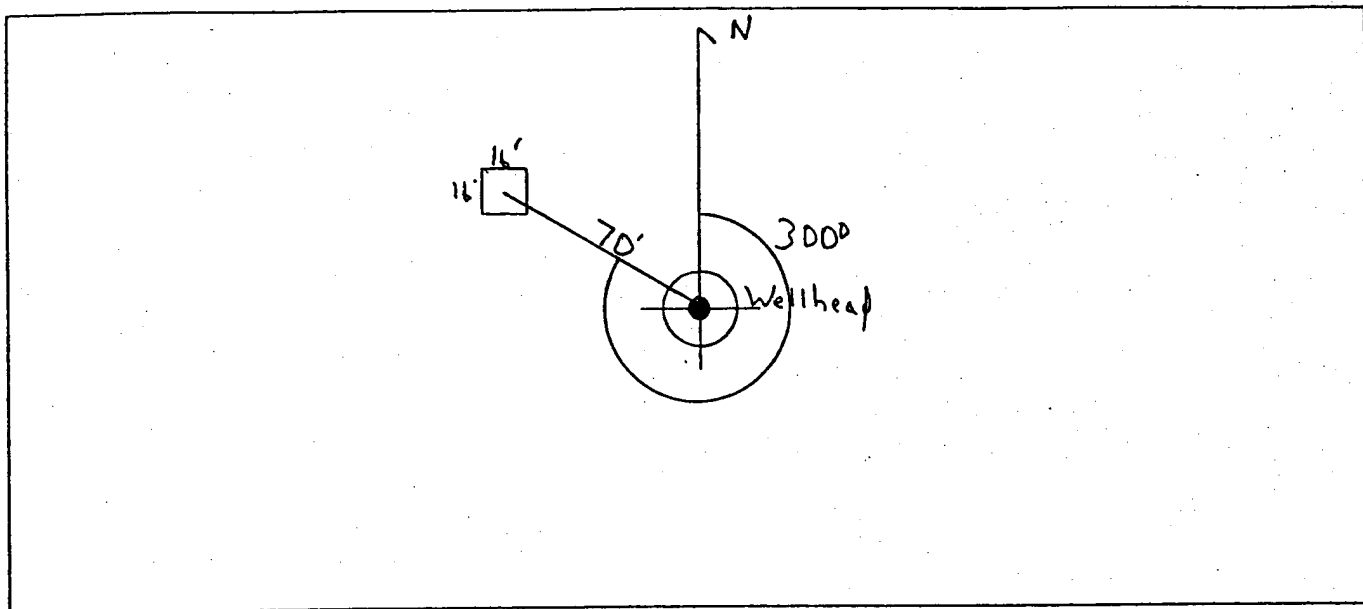
GENERAL	<p style="text-align: right;">wininger 3/1/95</p> <p>Meter: <u>74198</u> Location: <u>Winger State #1</u> Operator #: <u>0615</u> Operator Name: <u>Benson</u> P/L District: <u>Angel Peak</u> Coordinates: Letter: <u>A</u> Section <u>2</u> Township: <u>26</u> Range: <u>11</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____ Site Assessment Date: <u>1/25/95</u> Area: <u>01</u> Run: <u>42</u></p>
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps) Inside <input checked="" type="checkbox"/> (1) Outside <input type="checkbox"/> (2)</p> <p>Land Type: BLM <input type="checkbox"/> (1) State <input checked="" type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____</p> <p>Depth to Groundwater Less Than 50 Feet (20 points) <input checked="" type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input 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 checked="" type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Name of Surface Water Body <u>Cedar 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'</p> <p>TOTAL HAZARD RANKING SCORE: <u>40</u> POINTS</p>
REMARKS	<p>Remarks : <u>Redline Book: Inside</u> <u>Vulnerable Zone Top: Inside</u> <u>1 pit Will close 1. * Pit has 4 "location drip" lines draining into pit</u> <u>Liquid in pit.</u></p>

DIG+HAV

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 300° Footage from Wellhead 70'
b) Length : 16' Width : 16' Depth : 3'



REMARKS

Remarks :

Pictures @ 0942 hr 17-20 roll

After turning W off of 44, Follow Fence line, going past wells on right. Road will curve left (once past fence), pit will be on Right

Completed By:

Cory Chase
Signature

1/25/95

Date

REVISED
FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 74198 Location: WININGER STATE #1
 Operator #: 0615 Operator Name: BENSON P/L District: ANSEL PEAK
 Coordinates: Letter A Section 2 Township: 26 Range: 11
 or Latitude _____ Longitude _____
 Pit Type: Dehydrator X Location Drip: _____ Line Drip: _____ Other: _____
 Site Assessment Date: 1-25-95 Area: 01 Run: 42
 Revised Date: 9/25/02

SITE ASSESSMENT

NMOCD Zone:

(from NMCOD Maps)

Land Type:

BLM ☐ (1)

State ☒ (2)

Fee ☐ (3)

Indian _____

Inside ☒ (1)

Outside ☐ (2)

Depth to Groundwater

Less than 50 Feet (20 points) ☐ (1)

50 Feet to 99 Feet (10 Points) ☐ (2)

Greater than 100 Feet (0 Points) ☒ (3)

Well Protection Area

Is it less than 1000 feet from well, spring or other source of fresh water extraction?
 or; Is it less than 200 feet from a private domestic water source?

☐ YES (20 Points)

☒ NO (0 Points)

Horizontal Distance to Surface Water Body

Less than 200 Feet (20 points) ☐ (1)

200 Feet to 1000 Feet (10 Points) ☐ (2)

Greater than 1000 Feet (0 Points) ☒ (3)

Name of Surface Water Body CEPAR CANYON

(Surface Water Body: Perennial River, Stream, Creek, Irrigation Canal, Ditch, Lake, Pond)

Distance to Nearest Ephemeral Stream ☐ (1) < 100 feet (Navajo Pits Only)

☐ (2) > 100 feet

TOTAL HAZARD RANKING SCORE 0 **POINTS**

REMARKS

Remarks: REVISION BASED ON RE-ASSESSMENT OF DEPTH TO
GROUNDWATER USING DELOME COMPASS PACKAGE. DISTANCE
TO NEAREST SURFACE WATER BODY WAS ALSO RE-EVALUATED.



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP 418	946660
MTR CODE SITE NAME:	74198	N/A
SAMPLE DATE TIME (Hrs):	2-9-95	1420
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	2/17/95	2/17/95
DATE OF BTEX EXT. ANAL.:	2/21/95	2/22/95
TYPE DESCRIPTION:	VC	light Brown sand

REMARKS: analyses done at AT1

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< 0.25	MG/KG	10			
TOLUENE	0.41	MG/KG	10			
ETHYL BENZENE	0.93	MG/KG	10			
TOTAL XYLENES	0.37	MG/KG	10			
TOTAL BTEX	1.96	MG/KG				
TPH (418.1)	1400	MG/KG				
HEADSPACE PID	764	PPM				
PERCENT SOLIDS	93.3	%				

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

Surrogate Recovery was at 83 % for this sample All QA/QC was acceptable.
Note: AT1 Results attached

DF = Dilution Factor Used

Approved By: APDate: 3-20-95

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 74198 Location: Winger State #1
 Coordinates: Letter: A Section 2 Township: 26 Range: 11
 Or Latitude _____ Longitude _____
 Date Started : 2-9-95 Run: 01 42

FIELD OBSERVATIONS

Sample Number(s): KF 418
 Sample Depth: 12' Feet
 Final PID Reading 764 PID Reading Depth 12' Feet
 Yes No
 Groundwater Encountered ☐ ☒ Approximate Depth _____ Feet

CLOSURE

Remediation Method :
 Excavation ☒ Approx. Cubic Yards 40
 Onsite Bioremediation ☐
 Backfill Pit Without Excavation ☐
 Soil Disposition:
 Envirotech ☒ Tierra ☐
 Other Facility ☐ Name: _____
 Pit Closure Date: 2-9-95 Pit Closed By: B.EI

REMARKS

Remarks : Some line markers. Started Remediating To 12'
Soil Brown Looking With A H.C order.
closed pit

Signature of Specialist: Kelly Padilla



Page _____ of _____

White - Testing Laboratory **Canary - EPNG Lab** **Pink - Field Sampler**

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL

4000 Monroe Road

Farmington, New Mexico 87401

(505) 326-2262 FAX (505) 326-2388

Borehole # BH-1
Well # 1 of 1
Page 1

Project Name EPNG Pits
Project Number 14509 Phase 6000.77
Project Location Wininger State #1 74198

Elevation _____
Borehole Location T26, R11, S2, A
GWL Depth _____
Logged By Jeff W. Kindley
Drilled By G. Sudduth
Date/Time Started 08/25/95 0800
Date/Time Completed 08/25/95 0930

Well Logged By Jeff W. Kindley
Personnel On-Site G. Sudduth, H. Keil, A. Roberts
Contractors On-Site _____
Client Personnel On-Site _____
Drilling Method 4 1/4 ID HSA
Air Monitoring Method PID, CGI

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM			Drilling Conditions & Blow Counts
							BZ	BH	S	
0				Backfill material to 12'						
5										
10										
15										
20	1	18-20	1.9 2.0	SW, BR SAND, dry, very dense, slight hydrocarbon odor					18/55	0827 100 blows per foot
25	2	23-25	1.1 2.0	SW, BR SAND, dry, very dense, no odor boring terminated at 25'					15/10	0852 100 blows per foot
30										
35										
40										

Comments:

Sample and duplicate collected from 23 to 25' and submitted to laboratory for analysis of BTEX and TPH. (TWK 47+48). BH grouted to the surface.

Geologist Signature

Jeff W. Kindley



Page

White • Testing Laboratory Canary • EPNG Lab Pink • Field Sampler



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	Jwk 47	947336
MTR CODE SITE NAME:	74198	Winger State #1
SAMPLE DATE TIME (Hrs):	08-25-95	0852
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	8/28/95	
DATE OF BTEX EXT. ANAL.:	8/28/95	8/31/95
TYPE DESCRIPTION:	V6	light brown sand & clay

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< .5	MG/KG				
TOLUENE	< .5	MG/KG				
ETHYL BENZENE	< .5	MG/KG				
TOTAL XYLENES	< 1.5	MG/KG				
TOTAL BTEX	< 3	MG/KG				
TPH (418.1)	136	MG/KG			2.01	28
HEADSPACE PID	10	PPM				
PERCENT SOLIDS	92.3	%				

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

Surrogate Recovery was at
Narrative:

97%

for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

Dr. Lock

9-5-95