

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

Risk  
Bedrock

Submit 1 copy to  
appropriate  
District Office  
and 1 copy to  
the Santa Fe Office

(Revised 3/9/94)

**PIT REMEDIATION AND CLOSURE REPORT**

30-045-13140

Operator: Fuller Petroleum (Site Closed by El Paso Field Services) Telephone: \_\_\_\_\_

Address: \_\_\_\_\_

Facility Or: Standard Nickles #1, Meter 73287

Well Name \_\_\_\_\_

Location: Unit or Qtr/Qtr Sec      G      Sec   21   T   31   R   13   County San Juan

Pit Type: Separator      Dehydrator   X   Other     

Land Type: BLM     , State     , Fee   X   Other     

Pit Location: Pit dimensions: length  13' , width  12' , depth   2' 

(Attach diagram)

Reference: wellhead   X  , other     

Footage from reference:   78' 

Direction from reference:  225  Degrees   X   East North       
of  
     West South     

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

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

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

RANKING SCORE (TOTAL POINTS):     0



Date Remediation Started: 01/11/95 Date completed: 01/11/95

Remediation Method: Excavation                      Approx. cubic yards                     

(Check all appropriate sections.)

Landfarmed                      Insitu Bioremediation                     

Other Backfill Pit Without Excavation

Remediation Location: Onsite N/A Offsite N/A

(i.e. landfarmed onsite,  
name and location of  
offsite facility)

General Description of Remedial Action: Some line markers. Dug a test hole. Hit sandstone at 9'. Soil dark gray  
with a hydrocarbon 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 9'

Sample Date 01/11/95 Sample time 13:40

Sample Results

Benzene(ppm) Not reported

Total BTEX(ppm) Not reported

Field headspace(ppm) 158

TPH 2740

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 4/22/03

Signature Scott T. Pope

Printed Name  
and Title Scott Pope, Senior Environmental Scientist



**Standard Nickles #1  
Meter/Line ID 73287**

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**SITE DETAILS**

<b>Legals - Twn: 31N</b>	<b>Rng: 13W</b>	<b>Sec: 21</b>	<b>Unit: G</b>
<b>NMOCD Hazard Ranking: 0</b>		<b>Land Type: Fee</b>	
<b>Operator: Fuller Petroleum Company</b>		<b>Pit Closure Date: 1/11/95</b>	

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**RATIONALE FOR CLEAN CLOSURE**

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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 9 feet (ft) below ground surface (bgs) where sandstone refusal was encountered and a soil sample was collected for field headspace and laboratory analysis for TPH. Groundwater was not encountered in the test pit. Headspace analysis indicated an organic vapor content of 158 ppm, while the laboratory indicated a TPH concentration of 2,740 mg/kg. The TPH measurement was below recommended remediation levels for the Hazard Ranking Score.

No soil was removed off site. The pit was backfilled with clean soil from the surrounding berms and graded in a manner to direct surface runoff away from the pit area.

A Phase II boring was not performed.

No Phase III activities were performed.

El Paso Field Services requests closure of the above mentioned pit location for the following reasons:

- The primary source, discharge to the pit, was removed for over eight years.
- Sandstone bedrock was encountered at 9 feet bgs making additional excavation impractical and further downward migration of contaminants unlikely.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- The clean soil from the berms placed on top of the excavation will limit the potential for direct contact with hazardous constituents by livestock or the public; i.e., direct exposure pathways are unlikely to be completed.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- Groundwater was not encountered during the excavation and local geologic features indicates the depth to groundwater is greater than 100 feet.
- TPH concentrations in the soil sample collected at the base of the test pit (9 feet bgs) were below recommended remediation levels for the Hazard Ranking Score.
- Residual hydrocarbons in the soil will likely degrade by natural attenuation with minimal risk to the environment.





## **PIT CLOSURE REQUEST**

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### **ATTACHMENTS**

Field Pit Assessment Form

Revised Field Pit Assessment Form

Field Pit Remediation/Closure Form

Laboratory Analytical Results



**REVISED**  
**FIELD PIT SITE ASSESSMENT FORM**

GENERAL

Meter: 73287 Location: STANDARD HILLES #1  
Operator #: \_\_\_\_\_ Operator Name: FILIP PETRO P/L District: KUTZ  
Coordinates: Letter G Section 21 Township: 31 Range: 13  
or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Pit Type: Dehydrator X Location Drip: \_\_\_\_\_ Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
Site Assessment Date: 1/4/95 Area: 02 Run: 42  
Revised Date: 1/7/03

SITE ASSESSMENT

**NMOCD Zone:**  
(from NMCOD Maps)

**Land Type:**

BLM	<input type="checkbox"/> (1)
State	<input type="checkbox"/> (2)
Fee	<input checked="" type="checkbox"/> (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 \_\_\_\_\_

(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  
DISTANCE TO NEAREST SOURCE OF FRESHWATER  
EXTRACTION (> 2600 FEET).



# FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 73287 Location: STANDARD NICKLES #1  
 Operator #: \_\_\_\_\_ Operator Name: FULLER PETRO.P/L District: KUTZ  
 Coordinates: Letter: 6 Section 21 Township: 31 Range: 13  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Pit Type: Dehydrator ☒ Location Drip: \_\_\_\_\_ Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
 Site Assessment Date: 1.4.95 Area: 02 Run: 42

SITE ASSESSMENT

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

**Land Type:** 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) <sup>RT</sup> 1.4.95

**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:** 20 POINTS

REMARKS

Remarks : REDLINE & TOPO SHOW LOCATION OUTSIDE U.I.Z. 3 PITS ON LOCATION.  
DENY PIT BELONGS TO EPNG. WILL CLOSE PIT.

PUSH IN