

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

30-039-07698

Operator: ConocoPhillips Telephone: 505-599-3400

Address: 5525 US Highway 64, Farmington, NM 87401

Facility Or: SJ 29-6 # 59
Well Name

Location: Unit or Qtr/Qtr Sec H Sec 05 T 29 N R 6 W County Rio Arriba

Pit Type: Separator X Dehydrator _____ Other _____

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

Pit Location: Pit dimensions: length 20-ft, width 20-ft, depth 3-ft
(Attach diagram)

Reference: wellhead _____, other Longitude and Latitude

Wellhead: Longitude: -107.47999 Latitude: 36.75695

Pit: Longitude: -107.4802 Latitude: 36.75687

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>10</u>

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 11/20/02 Date completed: 11/20/02

Remediation Method: Excavation _____ Approx. cubic yards _____
(Check all appropriate sections.) Landfarmed _____ Insitu Bioremediation _____
Other Assessed pit by sampling soil beneath pit bottom

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

General Description of Remedial Action: _____

The pit was assessed and sampled in accordance with NMOCD guidelines

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit: Sample location Soil sample collected from center of pit with hand probe

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

Sample depth 2-feet below pit bottom at refusal

Sample Date 11/20/02 Sample time 11:23

Sample Results

Benzene(ppm) 9.4

Total BTEX(ppm) 722.4

Field headspace(ppm) _____

TPH 1100 ppm

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 4/9/04

Signature [Signature]

Printed Name
and Title Larry Trujillo, Sr. Environmental Technician

Operator: ConocoPhillips Company
Location Name: San Juan 29-6 # 59
Location: Unit H, Section 05, T 29N, R 6 W
Risk Ranking: 10

RATIONAL FOR RISK-BASED CLOSURE OF PRODUCTION LOCATIONS OUTSIDE OF THE VULNERABLE ZONE IN SAN JUAN BASIN

This production 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 is surface water bodies within between 200 and 1,000 horizontal feet of the pit location.

The separator pit was back filled with clean soil and graded in a manner to divert precipitation away from 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 with livestock and populous is not likely.

In general, outside of the vulnerable area and alluvial valleys, bedrock material is generally encountered within twenty (20) feet of the ground surface. Bedrock material in the San Juan Basin consists of interbedded sandstone, shale 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) is degrading the residual hydrocarbon to carbon dioxide and water and will continue until 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 effect human health, therefore

ConocoPhillips requests closure of this pit location.

Location: SJ 29-6 UNIT #59

Footages:

Unit Letter: H Sec. 5 Twn. 29N Rng 6W

Latitude: Longitude:

Lease Num. Land Type: Fee

Pit Type: Separator

Pit Reference :

Wellhead: Longitude: -107.48 Latitude: 36.75695

Pit Longitude: -107.4802 Latitude: 36.75687

Initial size: 20' X 20' X 3' deep

Final Size: 20' X 20' X 3' deep

Total Cubic Yards: 0

Distances from (ft):

Groundwater: >100-ft

Wellhead Protection Area: >1000-ft

Nearest Surface Water: 200' - 1000'

Distance to ephemeral stream: N/A

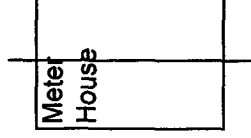
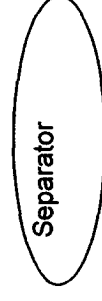
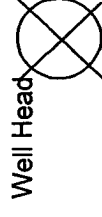
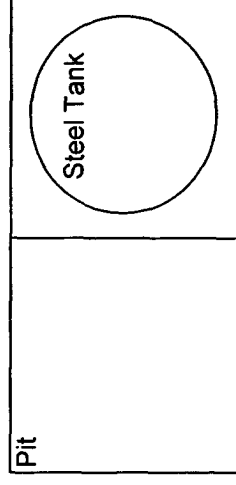
(Navajo/Jicarilla only)

Ranking Score (points): 10

Sample ID	Description	OVM Reading
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Comments:

Site Diagram:



Not to Scale

N S E W

Lab Project Number: 6065112
Client Project ID: Phillips Pit Program

Lab Sample No: 605626407 Project Sample Number: 6065112-004 Date Collected: 11/20/02 11:23
Client Sample ID: 112320NOV02 Matrix: Soil Date Received: 11/22/02 09:45

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
GC Semivolatiles									
Total Extractable Hydrocarbons	Prep/Method: OA2 / OA2								
Mineral Spirits	ND	mg/kg	12.		1.2 12/03/02 07:39	MIM			
Jet Fuel	ND	mg/kg	12.		1.2 12/03/02 07:39	MIM			
Kerosene	ND	mg/kg	12.		1.2 12/03/02 07:39	MIM			
Diesel Fuel	1100	mg/kg	12.		1.2 12/03/02 07:39	MIM	68334-30-5	2	
Fuel Oil	ND	mg/kg	12.		1.2 12/03/02 07:39	MIM	68334-30-5		
Total Petroleum Hydrocarbons	ND	mg/kg	12.		1.2 12/03/02 07:39	MIM			
n-Tetracosane (S)	128	%			1.0 12/03/02 07:39	MIM	646-31-1		
p-Terphenyl (S)	128	%			1.0 12/03/02 07:39	MIM	92-94-4		
Date Extracted	11/25/02				11/25/02				

Organics Prep

Percent Moisture	Method:								
Percent Moisture	18.7	%			1.0 11/26/02	JLC1			

GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	9400	ug/kg	2400		48.8 11/29/02 14:26		71-43-2		
Ethylbenzene	33000	ug/kg	2400		48.8 11/29/02 14:26		100-41-4		
Toluene	190000	ug/kg	2400		48.8 11/29/02 14:26		108-88-3		
Xylene (Total)	490000	ug/kg	6200		48.8 11/29/02 14:26		1330-20-7		
a,a,a-Trifluorotoluene (S)	117	%			1.0 11/29/02 14:26		98-08-8	3,4	

REPORT OF LABORATORY ANALYSIS

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