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97

REPORTS

DATE:

2000

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM
88211
District III
1000 Rio Brazos Rd, Aztec,
NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088

Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO

SANTA FE OFFICE

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: Conoco Inc Telephone: (505) 325-5813

Address: 3315 Bloomfield Highway Farmington, New Mexico 87401

Facility Or: Shephard & Kelsey #1
Well Name

Location: Unit or Qtr/Qtr Sec L Sec 29 T29N R11W County San Juan

Pit Type: Separator Dehydrator Other

Land Type: BLM , State , Fee , Other

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

Reference: wellhead , other: See Attached Report

Footage from reference:

Direction from reference: Degrees 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)
20

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) 0

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)
10

RANKING SCORE (TOTAL POINTS): 30

Date Remediation Started: _____ Date Completed: _____

Remediation Method: Excavation _____ Approx. cubic yards _____

(Check all appropriate sections)

Landfarmed _____ Insitu Bioremediation _____

Other _____

Remediation Location: Onsite _____ Offsite _____

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

General Description Of Remedial Action:

Refer to Attached Report

Ground Water Encountered: No _____ Yes _____ Depth _____

Final Pit: Sample location

Closure Sampling:

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

Refer to attached report for Sampling and laboratory
results.

Sample depth

Sample Date

Sample Time

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) _____

TPH _____

Ground Water Sample: Yes _____ No _____ (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: 2/10/00

SIGNATURE Shirley L. Ebert

PRINTED NAME Shirley L. Ebert TITLE FSS

ON SITE
TECHNOLOGIES, LTD.

January 05, 2000

Conoco, Inc., Mid-Continent Region
Attn: Ms. Shirley Ebert, Field SHEAR Specialist
3315 Bloomfield Hwy.
Farmington, N.M. 87401

RE: Final Closure Report
Conoco Location: Shephard & Kelsey #1
Unit L, Sec. 29, T29N, R11W, NMPM, San Juan Co., NM

Project #: 2-1362

The following document is a summary of action at the Conoco location, Shephard & Kelsey #1 and a request for closure of the location for ground water monitoring.

SUMMARY OF EVENTS;

Prior to March of 1997, a air-sparge system was designed and installed by BioRem Consultant Inc. . Due to the drastic fluctuations of groundwater levels , the sparge system has been relatively inoperable except during periods of high groundwater levels.

Conoco completed a site-specific Risk Based Assessment (RBCA) to demonstrate that natural attenuation would remediate residual contamination following the source removal and air-sparge efforts. To verify the RBCA evaluation NMOCd requested the installation of one (1) downgradient monitoring well as a point of compliance (POC)

During March 1997, **On Site** installed the POC monitoring (DG-MW) well at a location estimated to be down gradient of the ground water contaminate plume. The well was developed by removing approximately ten (10) well volumes. Initial water samples were taken on March 20, 1997. Additional sampling events were conducted in June of 1997 and December 1997. A sampling event was attempted during September 1997, but was unsuccessful do to standing water around the monitoring well. Laboratory results indicate water quality at or below New Mexico Water Quality Control Commission (NMWQCC) standards.

During 1998 sampling events were conducted in March, June, and December. Laboratory results were at or below NMWQCC standards.

In accordance with the Conoco's Comprehensive Ground Water Remediation and Long-Term Monitoring for Conoco Locations in the San Juan Basin, New Mexico, four (4) consecutive quarters of water quality at or below NMWQCC standards had been met, and no further action had been taken at the site.

On behalf of Conoco Inc., **On Site Technologies Limited Partnership** request that the referenced location be closed and that the monitoring well and spurge points be plugged and abandon in accordance with current regulation.

PO Box 2606
Farmington, NM

505-325-5667

FAX: 505-327-1496

REFERENCES:

On Site Technologies, Ltd., March 21, 1997, letter to Mr. C. John Coy, SHEAR Specialist, Conoco, Inc., Midland Division, regarding: *Monitoring Well Installation & Status of Sampling, Conoco Location, Shephard & Kelsey #1, Unit L, Sec. 29, T29N, R11W, NMPM, San Juan Co., NM.*

On Site Technologies, Ltd., February 1, 1998, letter to Ms. Shirley Ebert, SHEAR Specialist, Conoco, Inc., Midland Division, regarding: 1997 Annual Ground Water Report, *Conoco Location, Shephard & Kelsey #1, Unit L, Sec. 29, T29N, R11W, NMPM, San Juan Co., NM.*

On Site Technologies, Ltd., February 8, 1999, letter to Ms. Shirley Ebert, SHEAR Specialist, Conoco, Inc., Midland Division, regarding: 1998 Annual Ground Water Report, *Conoco Location, Shephard & Kelsey #1, Unit L, Sec. 29, T29N, R11W, NMPM, San Juan Co., NM.*


If there are any questions regarding this status report, please contact either Myke Lane or Larry Trujillo at On Site Technologies, (505) 325-5667. Thank you for your consideration.

Respectfully submitted,



Larry Trujillo
Project Manager

Reviewed by:



Michael K. Lane, P.E.
Senior Engineer

On Site Technologies, Limited Partnership


Attachments:

BTEX Summary
Site Map

BTEX Analytical Summary
Shephard & Kelsey #1
Unit L, Sec. 29, T29N, R11W

| Sample Date | Sample ID# | Monitor Well | Remarks | BTEX per EPA 8020 (ppb) | | | | |
|-------------|-------------|--------------|--------------|-------------------------|---------|--------------|--------------|------------|
| | | | | Benzene | Toluene | Ethylbenzene | Total Xylene | Total BTEX |
| 07/18/97 | 0396G01420 | DG#1 | IML | 10.5 | 36.3 | 280.0 | 1077.6 | 1405.4 |
| 07/18/96 | 0369G01419 | MW#1 | IML | 191.0 | BDL | 77.9 | 100.0 | 368.9 |
| 03/20/97 | 14002 | MW#1 | On Site Lab. | < 0.2 | < 0.2 | < 0.2 | 0.2 | 0.2 |
| 06/12/97 | 14941 | MW#1 | On Site Lab. | BDL | BDL | BDL | 0.2 | 0.2 |
| 09/16/97 | * | | NOT SAMPLED | | | | | |
| 12/05/97 | 17002 | MW#1 | On Site Lab. | BDL | BDL | 0.2 | 0.2 | 0.4 |
| 3/13/98 | 9803055-01A | MW#1 | On Site Lab. | BDL | BDL | BDL | BDL | BDL |
| 6/9/98 | 9806032-1A | MW#1 | On Site Lab. | BDL | BDL | BDL | BDL | BDL |
| 9/14/98 | 9809030-01A | MW#1 | On Site Lab. | BDL | BDL | BDL | BDL | BDL |
| WQCC | ACTION | LEVELS | | 10.0 | 750.0 | 750.0 | 620.0 | |

* Well not sampled 9/16/97 due to area around well flooded.
BDL Below Detection Limits

| | | | |
|--|----------------|---|--|
| ONOCO INC. SHEPHARD & KELSEY #1 SAN JUAN BASIN, NM | | Ground Water Potentiometric Map March 4, 1997 |  ON SITE TECHNOLOGIES, LTD. P.O. BOX 2606, FARMINGTON, NM 87499 (505) 325-5667 |
| PROJECT: 1997 Ground Water Report | | DRWN: DEC 20, 1994 | |
| PROJECT NO: 4-1429 | | DRWN BY: MKL | |
| SHEET: 2 | FILE: 41140SK2 | REVISED: Feb. 10, 1998 | |

Ground water levels measured as part effort to locate a monitoring well down-gradient. Well DG-MW installed March 4, 1997. As DG-MW only well requiring sampling, water levels on other wells has not been completed since March, 1997.

