

3R - 85

REPORTS

DATE:

1996



ANNUAL SUMMARY
PIT CLOSURES
AND
GROUND WATER IMPACT UPDATES
STATE OF NEW MEXICO
1996

RECEIVED

MAY 20 1997

Environmental Bureau
Oil Conservation Division

*Each site
filed under separate
case files*



Midland Division
Exploration Production

Conoco Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705-4500
(915) 686-5400

Certified Mail
P 895 104 872

April 25, 1997

Mr. Denny Fouts
New Mexico Oil Conservation Commission
1000 Rio Brazos Rd.
Aztec, NM 87410

Dear Mr. Fouts:

Re: NMOCD letters P-471-215-177, P-471-215-178
and P-471-215-179

Reference NMOCD letters of February 18, 1997 (P-471-215-177 and P-471-215-178) directed to Conoco Inc. and NMOCD letter of February 18, 1997 (P-471-215-179) directed to Merrion Oil and Gas Corporation.

This letter is intended to update NMOCD on the progress made to date to evaluate the alleged environmental contamination identified in the subject NMOCD letters. Evaluation work was timely commenced at all sites under Conoco's supervision. Initial results are being documented and evaluated. Where appropriate, possible remediation plans are being considered. As you are aware, ownership of the sites have changed hands several times, and we are in the process of developing proposed plans consistent with the contractual obligations of the successive owners. As soon as reasonably possible, NMOCD will be advised of proposed remediation plans where appropriate, to resolve the environmental matters addressed in the subject NMOCD letters.

Regards,

Carl J. Coy
Field SHEAR Specialist

cc: Merrion
Mesa
Bill Olson - NMOCD Santa Fe

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Revised: May 15, 1997

Conoco, Inc., Midland Division
Exploration and Production, North America
10 Desta Drive, Suite 100W
Midland, Texas 79705-4500

Attn.: Mr. Neal Goates, Senior Environmental Specialist

RE: Transmittal of Information for 1996 Annual NMOCD Reporting

Per your request and at Mr. C. John Coy's (Farmington Office) direction, we have compiled the attached information to assist you with the annual reporting to NMOCD. The information listed in Table 1 is included.

If there are any questions regarding this status report, please contact either Cindy Gray or Myke Lane at On Site Technologies, (505) 325-5667. Thank you for considering On Site to assist you with this matter.

Respectfully submitted,
On Site Technologies Limited Partnership

A handwritten signature in black ink, appearing to read "Michael K. Lane", is written over a horizontal line.

Michael K. Lane, P.E.
Senior Engineer

Enclosures: Table 1 & Listed Attachments

CC: C. John Coy (w/o attachments)
MKL/mkl

file: 41303.doc

**TABLE 1: CONCLUSO SUMMARY
Transmittal of Information for 1996 Annual NMOCD Reporting**

On Site Technologies Limited Partnership
May 15, 1997

Project: 4-1303

Well	Date	Documents	Comments
Farmington Com #1	Apr. 18, 97	Site Assessment Brief w/ lab and QA/QC	Corrective Action to address soil and/or ground water contamination pending negotiations with former lease operator.
Farmington C Com #1	Apr. 22, 97	Site Assessment Brief w/ lab and QA/QC	Corrective Action to address soil and/or ground water contamination pending negotiations with former lease operator.
Farmington B Com #1E	Apr. 22, 97	Site Assessment Brief w/ lab and QA/QC	Corrective Action to address soil and/or ground water contamination pending negotiations with former lease operator.
Smith #1 & Drip Pit	Apr. 22, 97	Site Assessment Brief w/ lab and QA/QC	Corrective Action to address soil and/or ground water contamination pending negotiations with former lease operator.
Shepherd & Kelsey #1	Mar. 21, 97 July 18, 96 Mar. 20, 97	Summary of Monitor Well Install & Map Sample Results w/ QA/QC (IML) Sample Results w/ QA/QC (On Site)	Continue ground water monitoring for 3 additional quarters to verify RBCA.
Shepherd & Kelsey #1E (Dehy/Sep Pit)	Apr. 16, 97	Pit Assessment & Remediation Summary w/ lab and QA/QC	No further reclamation efforts recommended, and propose continued ground water monitoring until four consecutive sample events are "clean".
Shepherd & Kelsey #1E (Production Tank Spill)	Apr. 28, 97	Spill Assessment & Remediation Summary w/ lab and QA/QC	No further corrective action, with plug and abandonment of monitor well proposed.
Farmington B Com #1	Apr. 16, 97	Investigation & Remediation Summary w/ lab and QA/QC	No further reclamation efforts recommended, and propose continued ground water monitoring until four consecutive sample events are "clean".
Federal Com #15	Apr. 28, 97	Site Assessment Summary	No further action.
Salmon #1	May 12, 97 July 17, 96 Mar. 18, 96 Mar. 26, 97	Corrective Action Proposal (On Site) Lab Reports & QA/QC (IML) Lab Reports & QA/QC (On Site) Lab Reports & QA/QC (On Site)	Additional excavation and treatment of contaminated soil down-gradient of original pit proposed.

**TABLE 1: CONOCO SUMMARY
Transmittal of Information for 1996 Annual NMOCD Reporting**

Project: 4-1303

On Site Technologies Limited Partnership
May 15, 1997

Well	Date	Documents	Comments
Neil Hall #1	June 14, 97	Lab Reports & QA/QC (IML)	Due to seasonal low water table, propose annual sampling to be scheduled in June to Aug. with closure once two consecutive sample events show "clean".
	June 28, 96	Lab Reports & QA/QC (IML)	
	July 12, 96	Lab Reports & QA/QC (IML)	
	Apr. 1, 97	Letter regarding no water (On Site)	
SJ 28-7 #19	Mar. 12, 96	Lab Reports & QA/QC (IML)	Continue ground water monitoring for four additional quarters.
	July 17, 96	Lab Reports & QA/QC (IML)	
	Mar. 19, 97	Lab Reports & QA/QC (On Site)	
	Apr. 21, 97	Lab Reports & QA/QC (On Site)	
SJ 28-7 #47	Mar. 12, 96	Lab Reports & QA/QC (IML)	Continue ground water monitoring for four additional quarters.
	Apr. 15, 96	Lab Reports & QA/QC (IML)	
	July 17, 96	Lab Reports & QA/QC (IML)	
	Mar. 19, 97	Lab Reports & QA/QC (On Site)	
SJ 28-7 #126	Apr. 21, 97	Lab Reports & QA/QC (On Site)	Continue ground water monitoring for an additional quarter.
	Mar. 12, 96	Lab Reports & QA/QC (IML)	
	July 17, 96	Lab Reports & QA/QC (IML)	
	Mar. 26, 97	Lab Reports & QA/QC (On Site)	
SJ 28-7 #219	Mar. 12, 96	Lab Reports & QA/QC (IML)	Continue ground water monitoring for two additional quarters.
	July 17, 96	Lab Reports & QA/QC (IML)	
	Mar. 26, 97	Lab Reports & QA/QC (On Site)	
	Mar. 12, 96	Lab Reports & QA/QC (IML)	

TYPES OF PITS

SEP: Separator Pit
DHP: Dehydrator Pit
CSP: Compressor/Scrubber Pit
TDP: Tank Drip Pit
LDP: Line Drip Pit
BDP: Blowdown Pit
FGP: Fiberglass Tank Pit
LDHP: Lined Dehy Pit
DRP: Drilling Reserve Pit
NONE: No Pits

#	WELL NAME AND NUMBER	FEDERAL, STATE INDIAN CONTRACT NO. OR FEE	LOCATION	TYPES OF PITS	PIT SIZE	VULN. AREA	EXPANDED VULN. AREA	NON-VULN. AREA	OTHER PARTY PIT	DATE STOPPED FLOW TO PIT	DATE REMEDIATION STARTED	DATE PIT CLOSED
1	Apache No. 1	Contract #98	Unit D, Sec. 18-26N-3W	SEP	30' x 24' x 4'		X			Unknown		05/06/96
2	Apache No. 3E	Contract #98	Unit H, Sec. 19-26N-3W	TDP	18' x 17' x 3'		X			Unknown		04/25/96
3	Apache No. 7	Contract #98	Unit D, Sec. 20-26N-3W	SEP	44' x 30' x 6'		X			Unknown		04/25/96
4	AXI Apache J No. 22	Contract #147	Unit L, Sec. 6-25N-5W	SEP	37' x 36' x 3'		X			09/10/96		09/30/96
5	AXI Apache N No. 14	Contract #121	Unit C, Sec. 1-25N-4W	SEP	19' x 19' x 4'		X			03/27/96		04/15/96
6	AXI Apache N No. 16A	Contract #121	Unit C, Sec. 12-25N-4W	DHP	18'x18'x3'		X			03/18/96		03/26/96
7	Jicarilla No. 3	Contract #12	Unit D, Sec. 31-26N-4W	SEP	28' x 22' x 4'		X			Unknown		08/05/96
8	Jicarilla No. 4	Contract #12	Unit L, Sec. 31-26N-4W	TDP	10' x 8' x 3'		X			Unknown		08/05/96
9	Jicarilla No. 8	Contract #12	Unit L, Sec. 32-26N-4W	SEP	35' x 27' x 4'		X			Unknown		08/15/96
10	Jicarilla No. 11	Contract #12	Unit G, Sec. 30-26N-4W	SEP	21' x 20' x 4'		X			Unknown		08/15/96
11	Jicarilla No. 11	Contract #12	Unit G, Sec. 30-26N-4W	TDP	22' x 22' x 4'		X			Unknown		08/15/96
12	Jicarilla No. 13	Contract #12	Unit G, Sec. 31-26N-4W	TDP	18' x 16' x 4'		X			Unknown		08/05/96
13	Jicarilla No. 14	Contract #12	Unit P, Sec. 31-26N-4W	SEP	19' x 18' x 3'		X			Unknown		08/07/96
14	Jicarilla No. 14	Contract #12	Unit P, Sec. 31-26N-4W	TDP	18' x 17' x 4'		X			Unknown		08/15/96
15	Jicarilla No. 17	Contract #12	Unit B, Sec. 32-26N-4W	SEP	17' x 16' x 4'		X			Unknown		08/15/96
16	Jicarilla No. 17	Contract #12	Unit B, Sec. 32-26N-4W	TDP	19' x 17' x 4'		X			Unknown		08/15/96
17	Jicarilla No. 18	Contract #12	Unit I, Sec. 32-26N-4W	SEP	28' x 22' x 4'		X			Unknown		08/15/96
18	Jicarilla No. 18	Contract #12	Unit I, Sec. 32-26N-4W	TDP	25' x 25' x 4'		X			Unknown		08/15/96
19	Jicarilla A No. 8	Contract #105	Unit I, Sec. 32-26N-4W	SEP	20'x20'x3'		X			06/26/96		07/25/96
20	Jicarilla A No. 9	Contract #105	Unit C, Sec. 14-26N-4W	TDP	10'x10'x5'		X			05/15/96		05/22/96
21	Jicarilla A No. 10	Contract #105	Unit D, Sec. 23-26N-4W	SEP	16'x16'x4'		X			06/11/96		06/26/96
22	Jicarilla A No. 13	Contract #105	Unit E, Sec. 13-26N-4W	TDP	16'x16'x4'		X			05/08/96		05/15/96
23	Jicarilla B No. 2	Contract #106	Unit K, Sec. 25-26N-4W	BDP	15'x25'x3'		X			Unknown		07/25/96
24	Jicarilla B No. 8	Contract #106	Unit K, Sec. 25-26N-4W	SEP	10'x15'x3'		X			06/06/96		06/26/96
25	Jicarilla B No. 9	Contract #106	Unit K, Sec. 26-26N-4W	SEP	15'x15'x2'		X			05/22/96		05/31/96
26	Jicarilla B No. 9A	Contract #106	Unit D, Sec. 26-26N-4W	SEP	18'x18'x3'		X			06/10/96		08/15/96
27	Jicarilla B No. 13	Contract #106	Unit M, Sec. 36-26N-4W	SEP	16'x18'x4'		X			03/27/96		03/29/96
28	Jicarilla B No. 15	Contract #106	Unit J, Sec. 36-26N-4W	SEP	12'x12'x2'		X			03/29/96		03/29/96
29	Jicarilla D No. 11	Contract #100	Unit A, Sec. 29-26N-3W	TDP	12'x14'x4'		X			04/04/96		04/15/96
30	Jicarilla D No. 17	Contract #100	Unit D, Sec. 29-26N-3W	TDP	16'x18'x3'		X			04/09/96		04/15/96
31	Jicarilla D No. 18	Contract #100	Unit A, Sec. 30-26N-3W	SEP	15'x15'x2'		X			04/12/96		04/15/96
32	Jicarilla E No. 6	Contract #104	Unit B, Sec. 21-26N-4W	TDP	18'x18'x3'		X			07/29/96		08/15/96
33	Jicarilla E No. 8	Contract #104	Unit C, Sec. 15-26N-4W	TDP	10'x10'x3'		X			06/05/96		06/21/96
34	Jicarilla E No. 14	Contract #104	Unit D, Sec. 15-26N-4W	CSP	10'x12'x3'		X			03/25/96		06/05/96
35	Jicarilla K No. 12E	Contract No. 145	Unit M, Sec. 02-25N-5W	SEP	12'x14'x3'		X			Unknown		08/24/96
36	Jicarilla K No. 15	Contract No. 145	Unit I, Sec. 01-25N-5W	SEP	14'x16'x2'		X			08/26/96		09/03/96
37	Jicarilla K No. 22	Contract No. 145	Unit M, Sec. 02-25N-5W	SEP	12'x14'x4'		X			Unknown		10/02/96
38	Jicarilla K No. 22A	Contract No. 145	Unit O, Sec. 02-25N-5W	SEP	10'x10'x01'		X			Unknown		09/24/96

SENSITIVE AREA PITS - JICARILLA

39	Tribal No. 2	Fed. 6090001150	Unit L, Sec. 9-26N-3W	SEP	30' x 24' x 6'				X	Unknown	05/06/96
40	Tribal No. 2	Fed. 6090001150	Unit L, Sec. 9-26N-3W	TDP	24' x 17' x 4'				X	Unknown	05/06/96

NON - SENSITIVE AREA PITS - JICARILLA

1	AXI Apache N No. 11A	Contract #121	Unit B, Sec. 12-25N-4W	SEP	22' x 19' x 3'				X	Unknown	03/22/96
2	AXI Apache N No. 12A	Contract #121	Unit L, Sec. 11-25N-4W	SEP	21' x 21' x 4'				X	03/22/96	03/29/96
3	AXI Apache N No. 14A	Contract #121	Unit K, Sec. 1-25N-4W	SEP	19'x19'x3'				X	Unknown	03/22/96
4	AXI Apache N No. 12	Contract #121	Unit C, Sec. 11-25N-4W	SEP	20' x 18' x 3'				X	03/25/96	03/26/96
5	AXI Apache N No. 13	Contract #121	Unit G, Sec. 2-25N-4W	SEP	22' x 21' x 3'				X	03/25/96	03/29/96
6	AXI Apache O No. 10	Contract #122	Unit J, Sec. 3-25N-4W	SEP	23' x 21' x 3'				X	03/20/96	03/25/96
7	Jicarilla D No. 11A	Contract # 100	Unit P, Sec 29-26N-3W	TDP	16'x16'x3'				X	04/19/96	04/22/96
8	Jicarilla D No. 13	Contract # 100	Unit A, Sec 32-26N-3W	TDP	15'x15'x2'				X	04/16/96	04/22/96
9	Jicarilla D No. 13A	Contract # 100	Unit P, Sec 32-26N-3W	SEP	20'x20'x2'				X	04/15/96	04/22/96
10	Jicarilla D No. 19	Contract # 100	Unit I, Sec 31-26N-3W	TDP	25'x28'x2'				X	04/25/96	05/03/96
11	Jicarilla D No. 20	Contract # 100	Unit N, Sec 31-26N-3W	TDP	20'x30'x4'				X	04/25/96	05/03/96

OFFICE: (505) 327-8786
FAX: (505) 327-1496



LAB: (505) 325-5667
FAX: (505) 325-6256

April 22, 1997

Conoco, Inc., Midland Division
Exploration and Production, North America
10 Desta Drive, Suite 100W
Midland, Texas 79705-4500

Attn.: Mr. Neal Goates, Senior Environmental Specialist

RE: Brief of Site Assessment
Farmington "C" COM #1
Unit L, Sec. 15, T29N, R13W, NMPM
San Juan County, NM

Project No: 4-1373

The following brief has been prepared by On Site Technologies Limited Partnership for Conoco. The brief describes the findings of Phase II Assessment of soil and ground water at the referenced oil/gas well location, for hydrocarbon contamination identified during the transfer of operating interest.

ASSESSMENT BRIEF:

On March 11, 1997, 22 test holes were drilled using a pick-up mounted hydraulic punch and auger unit equipped with 2 and 3 inch flight augers. Test holes ranged in depth from 4.5 to 7 feet in depth. Refer to Sheet 1 for approximate test hole locations.

One to two grab soil samples of the augered cuttings were collected from each test hole and field tested for volatile hydrocarbons per the NMOCDF Field Heated Headspace Method. Selected split samples were also collected in 4 oz. glass containers with Teflon® closures, labeled, and placed on ice for delivery to the laboratory. Lab samples were tested for Total Petroleum Hydrocarbons (TPH) per EPA Method 8015M and select samples were tested for BTEX per EPA Method 8020 to verify the Headspace results. Table 1 summarizes the soil test results.

Ground water impact from hydrocarbons was suspected. Three monitor wells were installed in selected test holes. One monitor well was located in the area of up gradient, and two were located in areas of suspected contamination (Refer to Sheet 1). Monitor wells were constructed of 2 inch Sch. 40 PVC with 5 feet of 0.010 inch slotted pipe. The annular space was sand packed with 10-20 mesh clean sand. Due to the shallow depth to ground water and anticipated rise in the water table, the top of the screen was located within 12 inches of the surface, and only a thin bentonite seal was placed around each well at the surface. Each well was developed by removing approximately ten well volumes or until dry.

On March 17, 1997, a level survey was completed to establish relative elevations for the monitor well tops of casing. Water levels were then measured from the top of casing for each well, and the water table elevations were calculated. Refer to Sheet 1 for the ground water surface contour. Following the water level measurements, water samples were collected from each well. Prior to sampling, each well was purged by bailing approximately three well volumes. Water samples were placed in 40 ml VOA glass vials, labeled and placed on ice for delivery to the lab. Samples were analyzed for BTEX per EPA Method 8020. Table 2 summarizes the monitor well data, and Table 3 summarizes the water lab results.

RESULTS:

Subsurface soils were typical alluvium consisting of silty clayey sands in the top 2 to 3 feet overlying coarse sand, gravel and cobbles. Ground water was measured at 4 to 5 feet below the ground surface.

TPH and BTEX soil contamination was found from approximately 3 to 6 feet below the surface in three areas: south of the production tank, in west of the tank berm in a surface depression, and under and west of the separator/dehy tank. Soil contamination appears limited outside of the fenced location in the area of the separator tank. Approximate aerial extent of tank, northwest depression and separator tank are: 820 square feet(sf), 150 sf and 1,800 sf, respectively (Refer to Sheet 2). Assuming soil contamination averages four feet thick, approximately 121 cubic yards, 22 cy, and 275 cy of contaminated soil above current NMOCD standards are present.

Ground water, at the time of this assessment and seasonal period, is relatively flat, having a gradient of 0.005 feet/foot to the west-southwest. No BTEX contamination of ground water above the New Mexico Water Quality Control Commission (WQCC) standards. Ground water contamination noted by Merrion Oil during due diligence inquiries in January, 1997 may have been the result of cross contamination, as the samples were taken from backhoe excavated test holes.

No other areas of soil or ground water contamination were found during this assessment effort or earlier efforts by Merrion Oil, the current operator.

CLOSURE:

Due to ongoing negotiations with former and current lease operators, no recommendations or corrective measures are proposed with this document.

This document has been prepared by On Site Technologies for the exclusive use of Conoco Inc. as it pertains to the referenced well location formerly operated by Conoco.

If there are any questions regarding this status report, please contact either Cindy Gray or Myke Lane at On Site Technologies, (505) 325-5667. Thank you for considering On Site to assist you with this matter.

Respectfully submitted,
On Site Technologies Limited Partnership

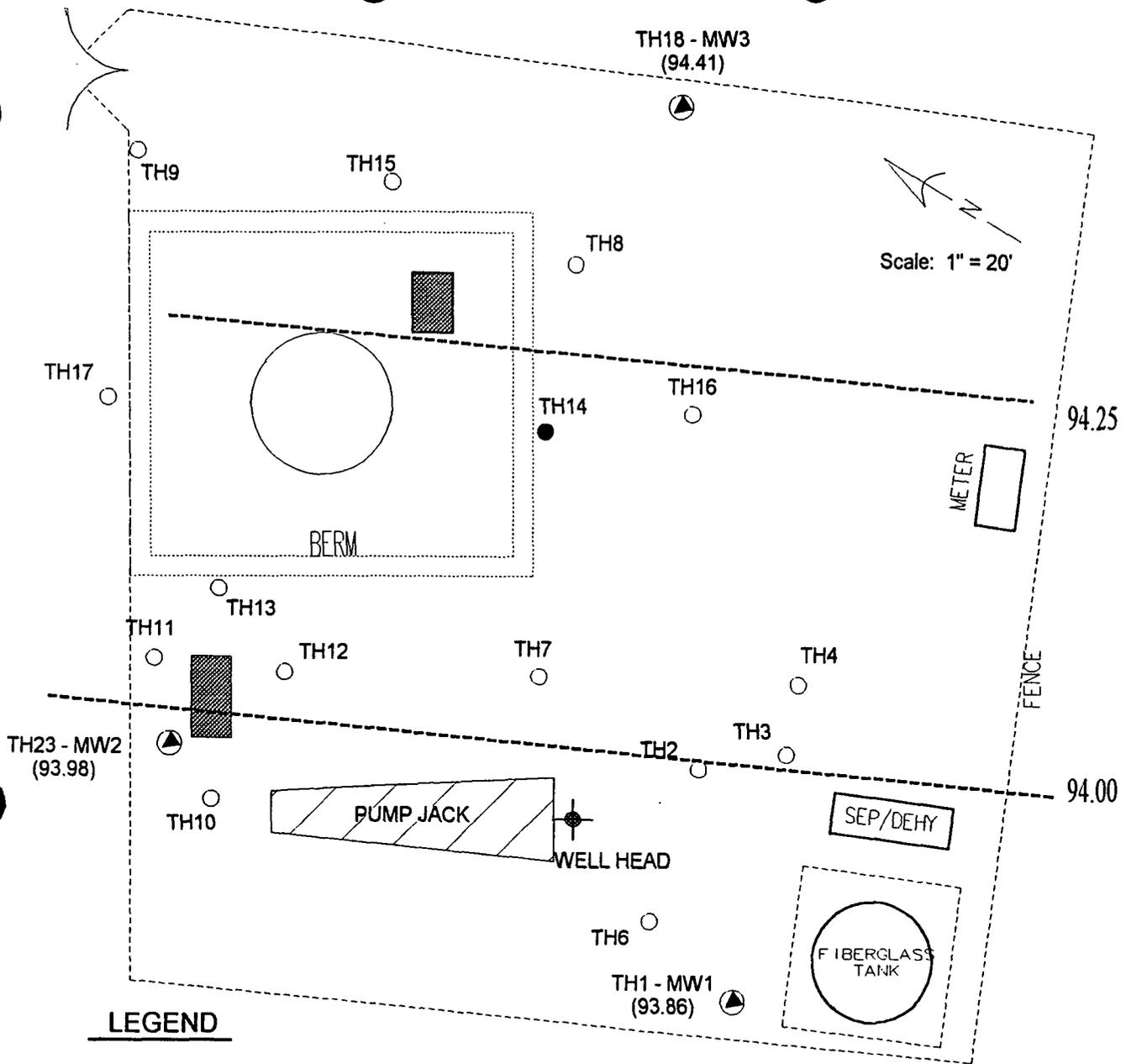


Michael K. Lane, P.E.
Senior Engineer

Attachments: Table 1: Soil Test Results
Table 2: Monitor Well Data
Table 3: Water Lab Results
Sheet 1: Site Sketch and Ground Water Surface Contour
Sheet 2: Site Sketch and Estimated Soil Contamination
Laboratory Package with QA/QC

CC: C. John Coy, Farmington Office (w/o attachments)
File: 4-1373

MKL/mkl: 41373brf

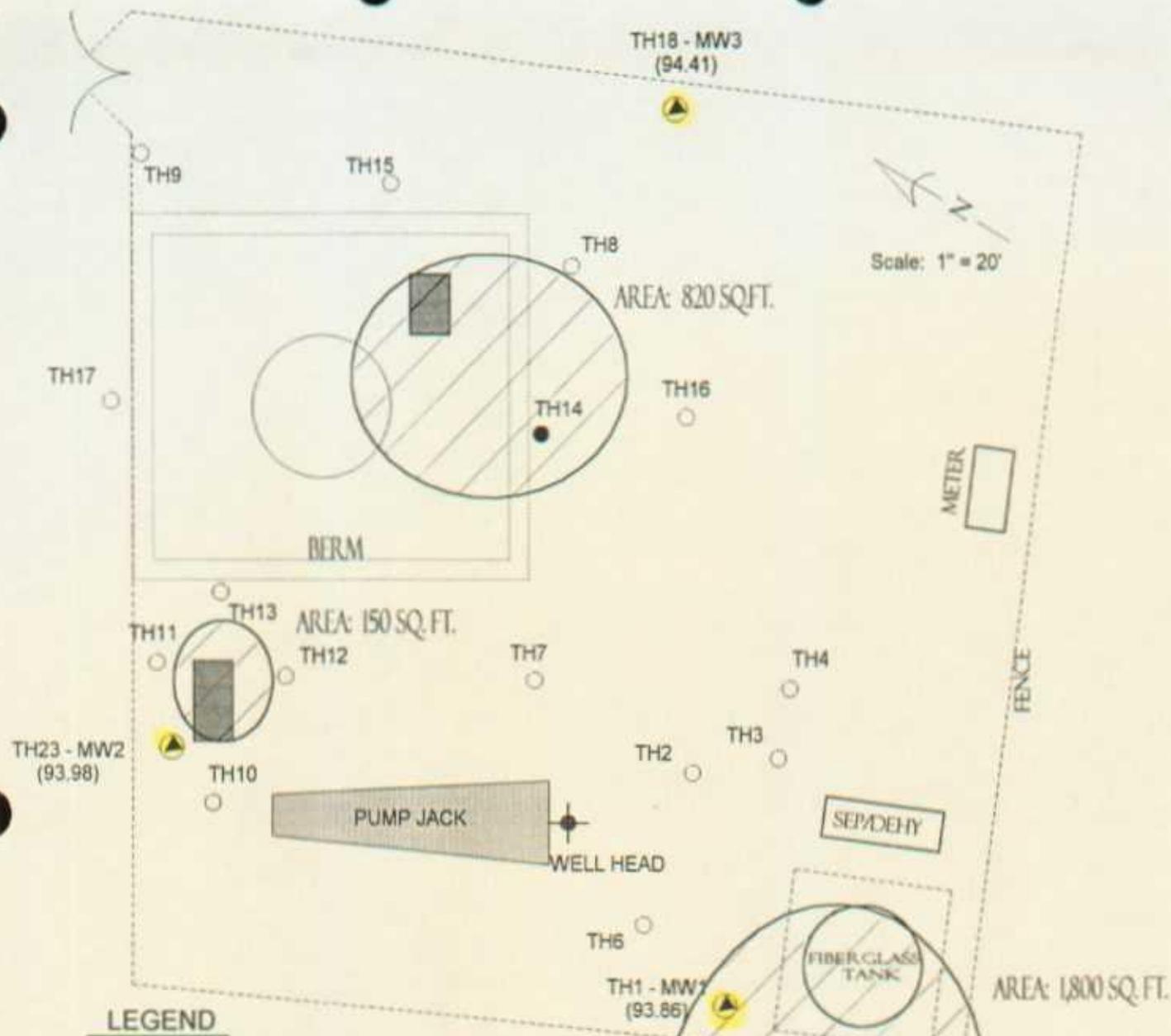


LEGEND

- TH# Approximate location of test holes drilled 3/10/97.
- Test holes with no TPH or BTEX soil contamination.
- Test holes with TPH &/or BTEX soil contamination.
- ▼ Monitor wells (water elevation: 3/17/97).
- - - Estimate Ground Water Surface.
- ▨ Test holes dug by Merrion Oil in January 1997.

Gradient
(0.005 ft/ft)

FARMINGTON "C" COM #1 SAN JUAN BASIN, NM		SITE SKETCH		 ON SITE TECHNOLOGIES, LTD. P.O. BOX 2606, FARMINGTON, NM 87499 (505) 325-5667
PROJECT: SITE ASSESSMENT		DRWN: 03-18-97		
PROJECT NO: 4-1373		DRWN BY: MKL		
SHEET: 1	FILE: 41373S1.CAD	REVISED: 04-07-97		



LEGEND

- TH# Approximate location of test holes drilled 3/10/97.
- Test holes with no TPH or BTEX soil contamination.
- Test holes with TPH &/or BTEX soil contamination.
- ▼ Monitor wells (water elevation: 3/17/97).
- Estimate Extent of Soil Contamination.
- Test hole dug by Merrion Oil, January 1997.

Gradient
(0.005 ft/ft)

FARMINGTON "C" COM #1 SAN JUAN BASIN, NM		SITE SKETCH		<p>ON SITE TECHNOLOGIES, LTD. P.O. BOX 2006, FARMINGTON, NM 87401 (505) 325-5402</p>
PROJECT: SITE ASSESSMENT		DRWN: 05-18-97		
PROJECT NO: 4-1371		DRWN BY: MCL		
SHEET: 2	FILE: 43701.CAD	REVISED:		

TABLE 1: SUMMARY OF SOIL SAMPLES
 FARMINGTON C COM #1
 Unit L, Sec. 15, T29N, R13W, NMPM
 SAN JUAN COUNTY, NM

SAMPLE LOCATION	DATE	DEPTH ⁽¹⁾ (ft)	PID ⁽²⁾ (units)	Benzene (ppm)	Total BTEX ⁽³⁾ (ppm)	TPH ⁽⁴⁾ (ppm)
TH-1	3/11/97	3-4	2.0			
TH-1	3/11/97	5-6	166.9	<0.01	49.7	1300
TH-2	3/11/97	2-3		No	Recovery	
TH-3	3/11/97	4.5-5		No	Recovery	
TH-4	3/11/97	5-6	ND			
TH-5	3/11/97	4-5	0.2			
TH-6	3/11/97	3.5-4.5	ND			
TH-6	3/11/97	5.5-6.5	ND			
TH-7	3/11/97	4.5-5.5	ND			
TH-8	3/11/97	3-4	ND			
TH-8	3/11/97	6.5-7.5	ND			
TH-9	3/11/97	3-4	ND			
TH-9	3/11/97	6.5-7.5	ND			
TH-10	3/11/97	3-4	ND			
TH-10	3/11/97	6.5-7.5	ND			
TH-11	3/11/97	4-5	ND			12.4
TH-12	3/11/97	4-5	ND			
TH-13	3/11/97	4-5	ND			
TH-14	3/11/97	4-5	154	<0.01	14.5	1903.1
TH-15	3/11/97	4-5	ND			
TH-16	3/11/97	4.5-5	ND			< 6
TH-17	3/11/97	4.5-5	ND			
TH-18	3/11/97	4.5-5	ND			
TH-19	3/11/97	4-5	>2500	33.4	126.5	20021
TH-20	3/11/97	4.5-5.5	5.7			
TH-21	3/11/97	4.5-5.5	ND			
TH-22	3/11/97	4.5-5.5	ND			
NMOCD Action Levels	Feb. 1993		100	10	50	100

- Notes: (1) Depth below ground surface.
 (2) PID: Results of field headspace samples measured with an organic vapor meter equipped with a photoionization detector, and Benzene Response Factor of 0.56.
 (3) BTEX: Benzene, Toluene, Ethyl-benzene, and total Xylenes measure by EPA Method 8020.
 (4) TPH: Total Petroleum Hydrocarbons as measured by EPA Method 8015 (mod.).
 (5) ND: Not detected.

TABLE 2: MONITOR WELL DATA & WATER ELEVATION DATA
 FARMINGTON "C" COM #1
 Unit L, Sec. 15, T29N, R13W, NMPM
 San Juan County, NM

On Site Technologies, Ltd.
 Project No: 4-1373

March, 1997

MONITOR WELL	Date	Top of Casing Elevation	Total Well Depth (ft)	Top of Screen (bgs)	Depth to Ground Water (ft)	Ground Water Elevation	Change in Water Elevation
MW-1	03/17/97	100.40	9.10	4.00	6.54	93.86	--
MW-2	03/17/97	100.29	8.38	3.38	6.31	93.98	--
MW-3	03/17/97	101.12	8.14	3.10	6.71	94.41	--

Notes: 1) All elevations relative to arbitrary benchmark at well head flange with an elevation of 100.00.

TABLE 3: SUMMARY OF WATER SAMPLE RESULTS
 FARMINGTON "C" COM #1
 Unit L, Sec. 15, T29N, R13W, NMPM
 San Juan County, NM

(ppb or ug/L)

Sample Location	Date	Water Elevation	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX
MW-1	03/17/97	93.86	<0.2	14.9	2.7	2.1	19.7
MW-2	03/17/97	93.98	0.8	9.0	<0.2	0.2	10.0
MW-3	03/17/97	94.41	1.0	106.5	<0.2	0.7	108.3
Action Levels	11/18/93		10	750	750	620	

- Notes: (1) Water elevations based on site bench mark of 100.00.
 (2) ND: Not detected at or above NMWQCC specified detection limits.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Michael Lane*
 Company: *On Site Technologies, Ltd. c/o Conoco*
 Address: *612 E. Murray Drive*
 City, State: *Farmington, NM 87401*

Date: *20-Mar-97*
 COC No.: *5039*
 Sample No.: *13861*
 Job No.: *4-1373*

Project Name: *Conoco - Farmington C Com #1*
 Project Location: *TC1 @ 5'-6'*
 Sampled by: *MKL* Date: *11-Mar-97* Time: *8:30*
 Analyzed by: *DC/HR* Date: *18-Mar-97*
 Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Method Detection Limit	Unit of Measure
<i>Gasoline Range Organics (C5 - C9)</i>	<i>99</i>	<i>mg/kg</i>	<i>1.0</i>	<i>mg/kg</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i>1201</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

GRO QC No.: 0535-STD
DRO QC No.: 0512-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Gasoline Range (C5 - C9)</i>	<i>< 50</i>	<i>ppb</i>	<i>1,351</i>	<i>1,361</i>	<i>0.7</i>	<i>15%</i>
<i>Diesel Range (C10 - C28)</i>	<i>< 5.0</i>	<i>ppm</i>	<i>100</i>	<i>115</i>	<i>13.7</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Gasoline Range (C5-C9)</i>	<i>81</i>	<i>83</i>	<i>(70-130)</i>	<i>2</i>	<i>20%</i>
<i>Diesel Range (C10-C28)</i>	<i>101</i>	<i>101</i>	<i>(70-130)</i>	<i>0</i>	<i>20%</i>

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: *[Signature]*
 Date: *3/20/97*

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Michael Lane*
 Company: *On Site Technologies, Ltd.*
 Address: *612 E. Murray Drive*
 City, State: *Farmington, NM 87401*

Date: *25-Mar-97*
 COC No.: *5039*
 Sample No.: *13861*
 Job No.: *4-1373*

Project Name: *Conoco - Farmington C Com #1*
 Project Location: *TC1 @ 5'-6'*
 Sampled by: *MKL* Date: *11-Mar-97* Time: *8:30*
 Analyzed by: *DC* Date: *21-Mar-97*
 Sample Matrix: *Soil*

Laboratory Analysis

<i>Parameter</i>	<i>Result</i>	<i>Units of Measure</i>	<i>Detection Limit</i>	<i>Units of Measure</i>
<i>Benzene</i>	<i>1.1</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>30.2</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>1018.9</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>1737.6</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>2181.6</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>TOTAL</i>	<i>4969.4</i>	<i>ug/kg</i>		

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by: *[Signature]*
 Date: *3/25/97*

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Michael Lane*
 Company: *On Site Technologies, Ltd. c/o Conoco*
 Address: *612 E. Murray Drive*
 City, State: *Farmington, NM 87401*

Date: 20-Mar-97
 COC No.: 5039
 Sample No.: 13862
 Job No.: 4-1373

Project Name: *Conoco - Farmington C Com #1*
 Project Location: *TC11 @ 4'-5'*
 Sampled by: *MKL* Date: 11-Mar-97 Time: 10:57
 Analyzed by: *DC/HR* Date: 19-Mar-97
 Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Method Detection Limit	Unit of Measure
<i>Gasoline Range Organics (C5 - C9)</i>	<1.0	mg/kg	1.0	mg/kg
<i>Diesel Range Organics (C10 - C28)</i>	12.4	mg/kg	5.0	mg/kg

Quality Assurance Report

GRO QC No.: 0535-STD
 DRO QC No.: 0512-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Gasoline Range (C5 - C9)</i>	<50	ppb	1,351	1,361	0.7	15%
<i>Diesel Range (C10 - C28)</i>	<5.0	ppm	100	115	13.7	15%

Matrix Spike

Parameter	1- Percent Recovered	2- Percent Recovered	Limit	RPD	RPD Limit
<i>Gasoline Range (C5-C9)</i>	81	83	(70-130)	2	20%
<i>Diesel Range (C10-C28)</i>	101	101	(70-130)	0	20%

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: *[Signature]*
 Date: 3/20/97

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Michael Lane*
Company: *On Site Technologies, Ltd. c/o Conoco*
Address: *612 E. Murray Drive*
City, State: *Farmington, NM 87401*

Date: *19-Mar-97*
COC No.: *5039*
Sample No.: *13863*
Job No.: *4-1373*

Project Name: *Conoco - Farmington C Com #1*
Project Location: *TC14 @ 4'-5'*
Sampled by: *MKL* Date: *11-Mar-97* Time: *11:49*
Analyzed by: *DC/HR* Date: *19-Mar-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Method Detection Limit	Unit of Measure
<i>Gasoline Range Organics (C5 - C9)</i>	<i>9.1</i>	<i>mg/kg</i>	<i>1.0</i>	<i>mg/kg</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i>1894</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

GRO QC No.: 0535-STD
DRO QC No.: 0512-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Gasoline Range (C5 - C9)</i>	<i><50</i>	<i>ppb</i>	<i>1,351</i>	<i>1,379</i>	<i>2.0</i>	<i>15%</i>
<i>Diesel Range (C10 - C28)</i>	<i><5.0</i>	<i>ppm</i>	<i>100</i>	<i>102</i>	<i>2.0</i>	<i>15%</i>

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Gasoline Range (C5-C9)</i>	<i>116</i>	<i>126</i>	<i>(70-130)</i>	<i>8</i>	<i>20%</i>
<i>Diesel Range (C10-C28)</i>	<i>101</i>	<i>101</i>	<i>(70-130)</i>	<i>0</i>	<i>20%</i>

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: *[Signature]*
Date: *3/20/97*

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Michael Lane*
Company: *On Site Technologies, Ltd.*
Address: *612 E. Murray Drive*
City, State: *Farmington, NM 87401*

Date: *25-Mar-97*
COC No.: *5039*
Sample No.: *13863*
Job No.: *4-1373*

Project Name: *Conoco - Farmington C Com #1*
Project Location: *TC14 @ 4'-5'*
Sampled by: *MKL* Date: *11-Mar-97* Time: *11:49*
Analyzed by: *DC* Date: *21-Mar-97*
Sample Matrix: *Soil*

Laboratory Analysis

<i>Parameter</i>	<i>Result</i>	<i>Units of Measure</i>	<i>Detection Limit</i>	<i>Units of Measure</i>
<i>Benzene</i>	<i>0.6</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>87.1</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>253.5</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>452.5</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>652.0</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
	<i>TOTAL</i>	<i>1445.7</i>		<i>ug/kg</i>

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by: *[Signature]*
Date: *3/25/97*

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Michael Lane*
 Company: *On Site Technologies, Ltd. c/o Conoco*
 Address: *612 E. Murray Drive*
 City, State: *Farmington, NM 87401*

Date: *20-Mar-97*
 COC No.: *5039*
 Sample No.: *13864*
 Job No.: *4-1373*

Project Name: *Conoco - Farmington C Com #1*
 Project Location: *TC19 @ 4'-5'*
 Sampled by: *MKL* Date: *11-Mar-97* Time: *14:00*
 Analyzed by: *DC/HR* Date: *19-Mar-97*
 Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Method Detection Limit	Unit of Measure
<i>Gasoline Range Organics (C5 - C9)</i>	<i>1681</i>	<i>mg/kg</i>	<i>1.0</i>	<i>mg/kg</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i>18340</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

GRO QC No.: *0535-STD*
 DRO QC No.: *0512-STD*

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Gasoline Range (C5 - C9)</i>	<i><50</i>	<i>ppb</i>	<i>1,351</i>	<i>1,361</i>	<i>0.7</i>	<i>15%</i>
<i>Diesel Range (C10 - C28)</i>	<i><5.0</i>	<i>ppm</i>	<i>100</i>	<i>115</i>	<i>13.7</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2- Percent Recovered	Limit	RPD	RPD Limit
<i>Gasoline Range (C5-C9)</i>	<i>81</i>	<i>83</i>	<i>(70-130)</i>	<i>2</i>	<i>20%</i>
<i>Diesel Range (C10-C28)</i>	<i>101</i>	<i>101</i>	<i>(70-130)</i>	<i>0</i>	<i>20%</i>

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: *[Signature]*
 Date: *3/20/97*

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Michael Lane*
 Company: *On Site Technologies, Ltd.*
 Address: *612 E. Murray Drive*
 City, State: *Farmington, NM 87401*

Date: *25-Mar-97*
 COC No.: *5039*
 Sample No.: *13864*
 Job No.: *4-1373*

Project Name: *Conoco - Farmington C Com #1*
 Project Location: *TC19 @ 4'-5'*
 Sampled by: *MKL* Date: *11-Mar-97* Time: *14:00*
 Analyzed by: *DC* Date: *21-Mar-97*
 Sample Matrix: *Soil*

Laboratory Analysis

<i>Parameter</i>	<i>Result</i>	<i>Units of Measure</i>	<i>Detection Limit</i>	<i>Units of Measure</i>
<i>Benzene</i>	<i>3335.5</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>22667.1</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>8903.0</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>72686.0</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>18873.1</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
	<i>TOTAL</i>	<i>126464.8</i>		<i>ug/kg</i>

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by: *[Signature]*
 Date: *3/25/97*

OFF: (505) 325-5667



LAB: (505) 325-1556

QUALITY ASSURANCE REPORT
for EPA Method 8020

Date Analyzed: 21-Mar-97

Internal QC No.: 0527-STD
Surrogate QC No.: 0528-STD
Reference Standard QC No.: 0529/30-QC

Method Blank

Analyte	Result	Units of Measure
Average Amount of All Analytes In Blank	<0.2	ppb

Calibration Check

Analyte	Units of Measure	True Value	Analyzed Value	% Diff	Limit
Benzene	ppb	20.0	19.6	2	15%
Toluene	ppb	20.0	20.4	2	15%
Ethylbenzene	ppb	20.0	20.9	4	15%
m,p-Xylene	ppb	40.0	40.0	0	15%
o-Xylene	ppb	20.0	20.9	4	15%

Matrix Spike

Analyte	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Benzene	107	126	(39-150)	12	20%
Toluene	110	130	(46-148)	11	20%
Ethylbenzene	114	134	(32-160)	11	20%
m,p-Xylene	108	127	(35-145)	11	20%
o-Xylene	103	123	(35-145)	12	20%

Surrogate Recoveries

Laboratory Identification	S1 Percent Recovered	S2 Percent Recovered	Laboratory Identification	S1 Percent Recovered	S2 Percent Recovered
Limit Percent Recovery	(70-130)		Limit Percent Recovery	(70-130)	
S1: Fluorobenzene			S1: Fluorobenzene		
13861-5039	78				
13863-5039	82				
13864-5039	88				

(10)

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Michael Lane*
Company: *On Site Technologies, Ltd.*
Address: *612 E. Murray Drive*
City, State: *Farmington, NM 87401*

Date: *19-Mar-97*
COC No.: *5055*
Sample No.: *13908*
Job No.: *4-1373*

Project Name: *Conoco - Farmington C Com #1*
Project Location: *MW#1*
Sampled by: *ML/BC* Date: *17-Mar-97* Time: *15:20*
Analyzed by: *DC* Date: *18-Mar-97*
Sample Matrix: *Liquid*

<i>Parameter</i>	<i>Result</i>	<i>Unit of Measure</i>	<i>Detection Limit</i>	<i>Unit of Measure</i>
<i>Benzene</i>	<i><0.2</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>Toluene</i>	<i>14.9</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>Ethylbenzene</i>	<i>2.7</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>m,p-Xylene</i>	<i>1.1</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>o-Xylene</i>	<i>1.0</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>TOTAL</i>	<i>19.7</i>	<i>ug/L</i>		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved By: *[Signature]*
Date: *3-19-97*

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Michael Lane*
Company: *On Site Technologies, Ltd.*
Address: *612 E. Murray Drive*
City, State: *Farmington, NM 87401*

Date: *19-Mar-97*
COC No.: *5055*
Sample No.: *13909*
Job No.: *4-1373*

Project Name: *Conoco - Farmington C Com #1*
Project Location: *MW#2*
Sampled by: *ML/BC* Date: *17-Mar-97* Time: *15:15*
Analyzed by: *DC* Date: *18-Mar-97*
Sample Matrix: *Liquid*

<i>Parameter</i>	<i>Result</i>	<i>Unit of Measure</i>	<i>Detection Limit</i>	<i>Unit of Measure</i>
<i>Benzene</i>	<i>0.8</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>Toluene</i>	<i>9.0</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>Ethylbenzene</i>	<i><0.2</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>m,p-Xylene</i>	<i>0.2</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>o-Xylene</i>	<i><0.2</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>TOTAL</i>	<i>10.0</i>	<i>ug/L</i>		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved By: *[Signature]*
Date: *3/19/97*

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Michael Lane*
Company: *On Site Technologies, Ltd.*
Address: *612 E. Murray Drive*
City, State: *Farmington, NM 87401*

Date: *19-Mar-97*
COC No.: *5055*
Sample No.: *13910*
Job No.: *4-1373*

Project Name: *Conoco - Farmington C Com #1*
Project Location: *MW#3*
Sampled by: *ML/BC*
Analyzed by: *DC*
Sample Matrix: *Liquid*

Date: *17-Mar-97* Time: *15:10*
Date: *18-Mar-97*

<i>Parameter</i>	<i>Result</i>	<i>Unit of Measure</i>	<i>Detection Limit</i>	<i>Unit of Measure</i>
<i>Benzene</i>	<i>1.0</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>Toluene</i>	<i>106.5</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>Ethylbenzene</i>	<i><0.2</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>m,p-Xylene</i>	<i>0.5</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>o-Xylene</i>	<i>0.2</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>TOTAL</i>	<i>108.3</i>	<i>ug/L</i>		

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved By: *[Signature]*
Date: *3/19/97*

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Michael Lane*
Company: *On Site Technologies, Ltd.*
Address: *612 E. Murray Drive*
City, State: *Farmington, NM 87401*

Date: *19-Mar-97*
COC No.: *5055*
Sample No.: *13911*
Job No.: *4-1373*

Project Name: *Conoco - Farmington C Com #1*
Project Location: *Trip Blank*
Sampled by: *ML/BC* Date: *17-Mar-97* Time: *14:30*
Analyzed by: *DC* Date: *18-Mar-97*
Sample Matrix: *Liquid*

<i>Parameter</i>	<i>Result</i>	<i>Unit of Measure</i>	<i>Detection Limit</i>	<i>Unit of Measure</i>
<i>Benzene</i>	<i><0.2</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>Toluene</i>	<i><0.2</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>Ethylbenzene</i>	<i><0.2</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>m,p-Xylene</i>	<i><0.2</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>o-Xylene</i>	<i><0.2</i>	<i>ug/L</i>	<i>0.2</i>	<i>ug/L</i>
<i>TOTAL</i>	<i><0.2</i>	<i>ug/L</i>		

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved By: *[Signature]*
Date: *3-19-97*

OFF: (505) 325-5667



LAB: (505) 325-1556

QUALITY ASSURANCE REPORT
for EPA Method 8020

Date Analyzed: 18-Mar-97

Internal QC No.: 0527-STD

Surrogate QC No.: 0528-STD

Reference Standard QC No.: 0529/30-QC

Method Blank

Parameter	Result	Unit of Measure
Average Amount of All Analytes in Blank	<0.2	ppb

Calibration Check

Parameter	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Benzene	ppb	20.0	19.6	2	15%
Toluene	ppb	20.0	20.2	1	15%
Ethylbenzene	ppb	20.0	20.6	3	15%
m,p-Xylene	ppb	40.0	39.4	1	15%
o-Xylene	ppb	20.0	20.3	1	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Benzene	77	91	(39-150)	4	20%
Toluene	94	100	(46-148)	4	20%
Ethylbenzene	94	86	(32-160)	5	20%
m,p-Xylene	82	94	(35-145)	4	20%
o-Xylene	96	101	(35-145)	4	20%

Surrogate Recoveries

Laboratory Identification	S1 Percent Recovered	S2 Percent Recovered	Laboratory Identification	S1 Percent Recovered	S2 Percent Recovered
Limit Percent Recovered	(70-130)		Limit Percent Recovered	(70-130)	
13908-5055	95				
13909-5055	97				
13910-5055	95				
13911-5055	96				

S1: Fluorobenzene

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State of New Mexico
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
 Santa Fe, New Mexico 87505

STATE OF
 NEW MEXICO
 OIL
 CONSERVATION
 DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

<input checked="" type="checkbox"/> Telephone	<input type="checkbox"/> Personal	Time 1320	Date 1/11/97
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<u>Originating Party</u>	<u>Other Parties</u>
Connie Demning - Merriam O&G	Bill Olson - Envir. Bureau

Subject
 Farmington Comm #1 - GW Contamination Notification
 Farmington "C" Comm #1

Discussion
 Merriam purchasing above properties from Conoco
 Site assessment shows GW ground water contamination at
 both sites
 Sale's agreement will have Conoco with liability for clean up

Conclusions or Agreements
 Requested legal locations, she will provide

Distribution
 Farmington Comm #1 File
 Farmington "C" Comm #1 File
 Danny Faust - OED Arter

Signed 