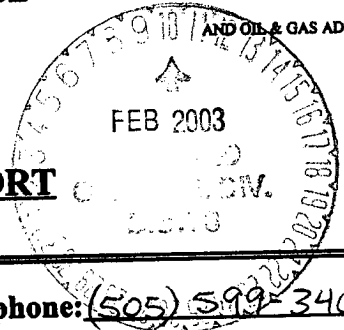


JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

30-039-25844



Operator: CONOCOPHILLIPS COMPANY Telephone: (505) 599-3400
Address: 5525 HWY 64, FARMINGTON, NM 87401
Facility or Well Name: JICARILLA E 12A
Location: Unit or Qtr/Qtr Sec D Sec 22 T 26N R 4W County RIO ARriba
Land Type: RANGE

Date Remediation Started: 6/7/2002 Date Completed: 1/31/2003
Remediation Method: Landfarmed X Approx. cubic yards 1500
Composted —
Other —

Depth To Groundwater: (pts.) 10
Distance to an Ephemeral Stream: (pts.) 10
Distance to Nearest Lake, Playa,
or Watering Pond: (pts.) 0
Wellhead Protection Area: (pts.) 0
Distance To Surface Water: (pts.) 0
RANKING SCORE (TOTAL POINTS): 20

Final Closure Sampling:

Sampling Date: 1/31/2003 Time: 1205

Sample Results:

Field Headspace (ppm) 0.5
TPH (ppm) ND Method 8015
Other —

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE FEB 5, 2003 PRINTED NAME JEFFREY C. BLAKE
SIGNATURE Jeffrey C. Blake AND TITLE NMPE 11607

AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO — (REASON) —

SIGNED: K. C. M. [Signature] DATE: 2-5-03

CLIENT: CONOCO
PHILLIPS COMPANY

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: 9704
C.O.C. NO: 19096

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: JICARILLA E WELL #: 12A PITS: TANK DRAIN LINE
QUAD/UNIT: 0 SEC: 22 TWP: 26N RNG: 4W PM: NM CNTY: RA ST: NM
QTR/FOOTAGE: 30'N/1150'W NULNW CONTRACTOR: HIGH DESERT

DATE STARTED: 6/7/02
DATE FINISHED: 1/31/03

ENVIRONMENTAL SPECIALIST: NV/2CS

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE: 1,500

LAND USE: RANGE

LIFT DEPTH (ft): 1.5-2

FIELD NOTES & REMARKS:

JICA. RANK. SCORE: 20 JICA. TPH CLOS. STAN: 100
NMOC D RANKING SCORE: 10 NMOC D TPH CLOSURE STD: 1000 PPM

DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

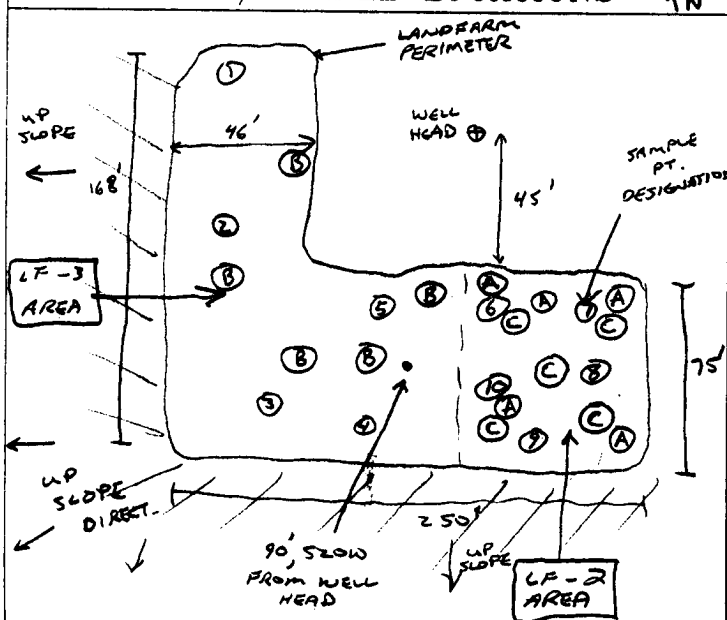
SOIL TYPE: SAND / (SILTY SAND) / SILT / SILTY CLAY / (CLAY) GRAVEL / OTHER _____
SOIL COLOR: MOO. YELLOW BROWN OK. GRAY (CLAY)
COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE
CONSISTENCY (NON COHESIVE SOILS): (MSE) / (FIRM) / DENSE / VERY DENSE
PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE (MEDIUM PLASTIC) / HIGHLY PLASTIC
DENSITY (COHESIVE CLAYS & SILTS): SOFT / (FIRM) / (STIFF) / VERY STIFF / HARD
MOISTURE: (DRY) / (SLIGHTLY MOIST) / MOIST / WET / SATURATED / SUPER SATURATED
DISCOLORATION/STAINING OBSERVED: (YES) / NO EXPLANATION - CLAY SOIL
HC ODOR DETECTED: (YES) / NO EXPLANATION - MOSTLY W/IN CLAY SOIL
SAMPLING DEPTHS (LANDFARMS): 12-18 (INCHES)
SAMPLE TYPE: GRAB / (COMPOSITE) # OF PTS. 5
ADDITIONAL COMMENTS: 2ND SAMPLE EVENT ON 8/29/02, LF-4(2) COMPOSITE SAMPLE INDICATED BY LETTER A IN LF-2 AREA
LF-5(3) BY LETTER B IN LF-3 AREA. LF-2 5 POINT ON 1/31/03 By letter C in LF-2 AREA.

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

133.0
w/250 ppm gas
@ 1213 on 1/31/03

SKETCH/SAMPLE LOCATIONS



OVM CALIB. READ. 53.4 ppm
OVM CALIB. GAS = 100 ppm; RF = 0.52
TIME: 10:20 am DATE: 6/7/02

53.4 ppm
11:39 am
8/28/02

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-2	541	LF-2	TPH (80158)	1015	280
LF-3	155	LF-3	TPH (80158)	1035	ND
LF-4(2)	138.4	LF-4(2)	TPH (80158)	0845	278
LF-5(3)	4.4	LF-5(3)	TPH (80158)	0900	96.9
LF-2 5 POINT	0.5	LF-2 5 POINT	80158	1205	ND

COLLECTED
1/31/03

SCALE

0 FT

TRAVEL NOTES: CALLOUT: N/A

ONSITE: 6/7/02/8/29/02/1/31/03

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

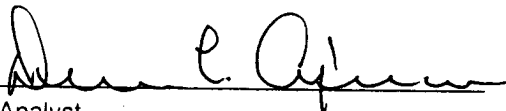
Client:	Blagg / ConocoPhillips	Project #:	94034-010
Sample ID:	5-Pt. Comp.	Date Reported:	02-04-03
Laboratory Number:	24713	Date Sampled:	01-31-03
Chain of Custody No:	10593	Date Received:	02-03-03
Sample Matrix:	Soil	Date Extracted:	02-03-03
Preservative:	Cool	Date Analyzed:	02-04-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

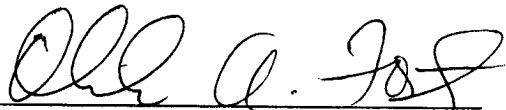
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jicarilla E 12A L.F.


Analyst


Review