

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company XTO Energy Inc.	Contact Kim Champlin
Address #382 County Road 3100 Aztec, NM 87410	Telephone No. (505) 333-3100
Facility Name Salty Dog #5 (API 30-045-32900)	Facility Type Salt Water Disposal

Surface Owner State	Mineral Owner	Lease No.
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	16	29N	14W	1030	North	1365	East	San Juan

Latitude 36.73043 Longitude 108.29757

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release Approx 65 bbl	Volume Recovered Approx 45 bbl
Source of Release Pipeline	Date and Hour of Occurrence 12/31/08, Time Unknown	Date and Hour of Discovery 12/31/08 3:00PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell- OCD	
By Whom? Kim Champlin	Date and Hour 01/01/09 10:30 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. ROVD JAN 26 '09	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* ☐ A third party water hauling company reported a water leak off CR 6100. The water line feeds into the Salty Dog #5 SWD. All wells going into the line were immediately shut in. Upon investigation it was discovered that the pipeline was leaking from a 8" SDR11 Poly 90 degree elbow at the fusion collar. The pipe had been dislocated from the collar by about 1/4". A vac truck was dispatched and approximately 45 barrels of produced water were recovered.

Describe Area Affected and Cleanup Action Taken.*

The 90 degree elbow and fusion collar were replaced. After the repairs were completed the line was tested at 160 PSI for 1 1/2 hours, no leaks were detected. The system was put back on line with a pressure of 60 PSI. Blagg Engineering took grab samples of the produced water that was leaked along with soil from the source area. Groundwater at this location is estimated to be less than 20 feet. At this time XTO will excavate and treat the soil around the source area and resample.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Kim Champlin</i>	OIL CONSERVATION DIVISION	
Printed Name: Kim Champlin	Approved by District Supervisor: <i>Bob Smith</i> For: <i>Charlie Perrin</i>	
Title: Sr. Environmental Representative	Approval Date: <i>1-26-09</i>	Expiration Date:
E-mail Address: Kim_Champlin@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 01/20/09 Phone: 505-333-3100		

* Attach Additional Sheets If Necessary

Incident # *NFMD 0928147414*

CLIENT:

XTO

BLAGG ENGINEERING, INC.

P.O. BOX 87, BLOOMFIELD, NM 87413

(505) 632-1199

API #:

FIELD REPORT:

BGT CONFIRMATION / TEMP. PIT CLOSURE / RELEASE INVESTIGATION
(other)

PAGE No: 1 of

SITE INFORMATION:

SITE NAME: SALTY DOG S LINE LEAK

DATE STARTED: 1/2/09

QUAD/UNIT: N/2 SEC: 15 TWP: 29N RNG: 14W PM: NM CNTY: SJ ST: NM

DATE FINISHED:

QTR-QTR/FOOTAGE:

LEASE TYPE: FEDERAL / STATE / FEE / INDIAN

ENVIRONMENTAL

LEASE #:

PROD. FORMATION:

CONTRACTOR:

SPECIALIST: JCB

REFERENCE POINT:

WELL HEAD (W.H.) GPS COORD.:

NA

GL ELEV.:

1) SOURCE AREA

GPS COORD.: 36.73043 x 108.29767

DISTANCE/BEARING FROM W.H.: NA

2)

GPS COORD.:

DISTANCE/BEARING FROM W.H.:

3)

GPS COORD.:

DISTANCE/BEARING FROM W.H.:

4)

GPS COORD.:

DISTANCE/BEARING FROM W.H.:

5)

GPS COORD.:

DISTANCE/BEARING FROM W.H.:

LAB INFORMATION:

CHAIN OF CUSTODY RECORD(S): ENVIROTECH 6033

1) SAMPLE ID: Source Area Water

SAMPLE DATE: 1/2/09

SAMPLE TIME: 0902

LAB ANALYSIS: CATION/ANION

2) SAMPLE ID: Source Area Soil

SAMPLE DATE: 1/2/09

SAMPLE TIME: 0910

LAB ANALYSIS: CATION/ANION

3) SAMPLE ID:

SAMPLE DATE:

SAMPLE TIME:

LAB ANALYSIS:

4) SAMPLE ID:

SAMPLE DATE:

SAMPLE TIME:

LAB ANALYSIS:

5) SAMPLE ID:

SAMPLE DATE:

SAMPLE TIME:

LAB ANALYSIS:

SOIL DESCRIPTION:

SOIL TYPE: SAND (SILTY SAND) SILT / SILTY CLAY / CLAY / GRAVEL / OTHER

SOIL COLOR:

COHESION (ALL OTHERS): (NON COHESIVE) / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

CONSISTENCY (NON COHESIVE SOILS): (LOOSE) / 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)

ADDITIONAL COMMENTS:

DISCOLORATION/STAINING OBSERVED: YES (NO) EXPLANATION -

HC ODOR DETECTED: YES (NO) EXPLANATION -

SAMPLE TYPE: (GRAB) / COMPOSITE - # OF PTS.

EXCAVATION DIMENSIONS (if applicable): ft. X ft. X ft. cubic yards excavated (if applicable).

SITE SKETCH

N
↑
1

CR 6100



IRRIGATION DITCH

PLOT PLAN

circle: Attached

MISCELL. NOTES

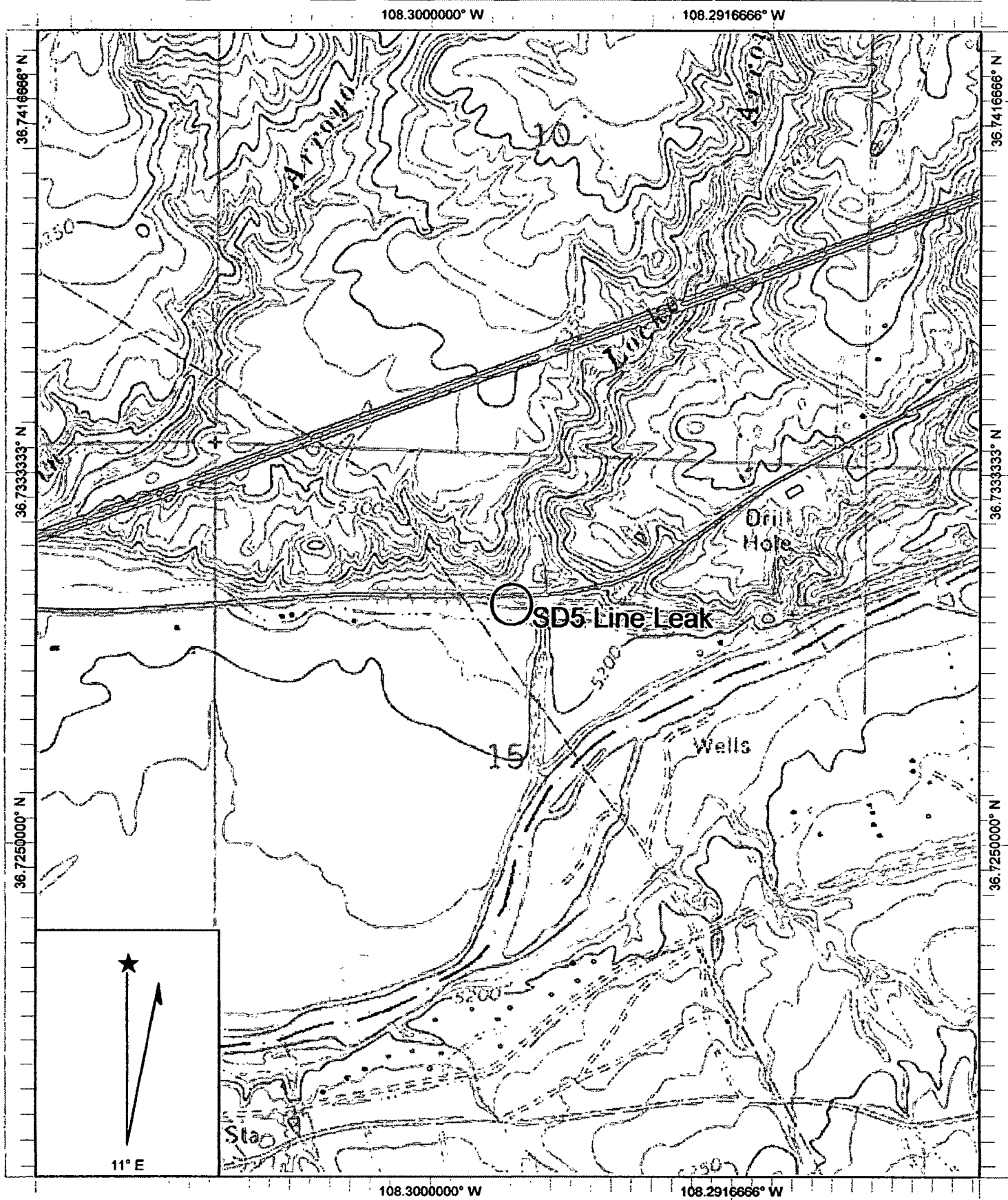
(V) = VALVE

NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.;
T.B. = TANK BOTTOM; PBGT = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.T. = RETAINING WALL

TRAVEL NOTES:

CALLOUT: 12/30/08

ONSITE: 1/2/09



Name: KIRTLAND
Date: 1/2/2009
Scale: 1 inch equals 1000 feet

Location: 036.7304053° N 108.2978760° W
Caption: Salty Dog 5 Line Leak

CHAIN OF CUSTODY RECORD

2007
1000

Client: <i>BLAUG / XTO</i>			Project Name / Location: <i>SALT LAKE CITY</i>				ANALYSIS / PARAMETERS													
Client Address:			Sampler Name: <i>JEFF LAUG</i>				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418:1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.:			Client No.: <i>14034 010</i>																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative H ₂ O ₂ HCl														
<i>PC-101-101</i>	<i>1/2/04</i>	<i>0702</i>		Soil Sludge Solid (Aqueous)	<i>1-1</i>														<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>PC-101-102</i>	<i>1/2/04</i>	<i>0710</i>		Soil Sludge Solid Aqueous															<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
				Soil Sludge Solid Aqueous																
				Soil Sludge Solid Aqueous																
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				Soil Sludge Solid Aqueous																
Relinquished by: (Signature) <i>Jeff Laug</i>				Date <i>1/2/04</i>	Time <i>0710</i>	Received by: (Signature) <i>Jeff Laug</i>				Date <i>1/2/04</i>	Time <i>0956</i>									
Relinquished by: (Signature)						Received by: (Signature)														
Relinquished by: (Signature)						Received by: (Signature)														

ENVIROTECH INC.

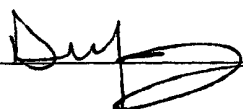
5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615

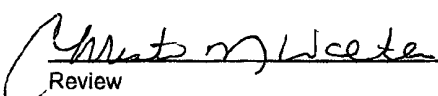
Client:	Blagg/XTO	Project #:	94034-0010
Sample ID:	Source Area Soil	Date Reported:	01-09-08
Laboratory Number:	48616	Date Sampled:	01-02-08
Chain of Custody:	6033	Date Received:	01-02-08
Sample Matrix:	Soil Extract	Date Extracted:	01-02-08
Preservative:	Cool	Date Analyzed:	01-02-08
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	7.83	s.u.		
Conductivity @ 25° C	9,090	umhos/cm		
Total Dissolved Solids @ 180C	4,920	mg/L		
Total Dissolved Solids (Calc)	4,948	mg/L		
SAR	64.4	ratio		
Total Alkalinity as CaCO3	130	mg/L		
Total Hardness as CaCO3	158	mg/L		
Bicarbonate as HCO3	130	mg/L	2.13	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	0.200	mg/L	0.00	meq/L
Nitrite Nitrogen	<0.01	mg/L	0.00	meq/L
Chloride	2,800	mg/L	78.99	meq/L
Fluoride	0.840	mg/L	0.04	meq/L
Phosphate	0.800	mg/L	0.03	meq/L
Sulfate	143	mg/L	2.98	meq/L
Iron	0.050	mg/L	0.00	meq/L
Calcium	52.8	mg/L	2.63	meq/L
Magnesium	6.34	mg/L	0.52	meq/L
Potassium	4.96	mg/L	0.13	meq/L
Sodium	1,860	mg/L	80.91	meq/L
Cations			84.20	meq/L
Anions			84.17	meq/L
Cation/Anion Difference			0.03%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
 Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Salty Dog #5 Line Leak.**


 Analyst



 Review

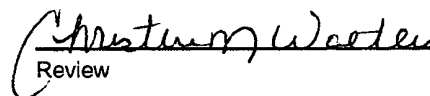
Client:	Blagg/XTO	Project #:	94034-0010
Sample ID:	Produced Water Grab	Date Reported:	01-05-09
Laboratory Number:	48615	Date Sampled:	01-02-09
Chain of Custody:	6033	Date Received:	01-02-09
Sample Matrix:	Aqueous	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	01-02-09
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	7.08	s.u.		
Conductivity @ 25° C	86,200	umhos/cm		
Total Dissolved Solids @ 180C	46,600	mg/L		
Total Dissolved Solids (Calc)	45,830	mg/L		
SAR	160.0	ratio		
Total Alkalinity as CaCO3	704	mg/L		
Total Hardness as CaCO3	2,160	mg/L		
Bicarbonate as CaCO3	704	mg/L	11.54	meq/L
Carbonate as CaCO3	<0.1	mg/L	0.00	meq/L
Hydroxide as CaCO3	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	<0.01	mg/L	0.00	meq/L
Nitrite Nitrogen	0.100	mg/L	0.00	meq/L
Chloride	27,500	mg/L	775.78	meq/L
Fluoride	1.06	mg/L	0.06	meq/L
Phosphate	22.1	mg/L	0.70	meq/L
Sulfate	<0.01	mg/L	0.00	meq/L
Iron	14.9	mg/L	0.53	meq/L
Calcium	528	mg/L	26.35	meq/L
Magnesium	205	mg/L	16.87	meq/L
Potassium	46.5	mg/L	1.19	meq/L
Sodium	17,100	mg/L	743.85	meq/L
Cations			788.26	meq/L
Anions			788.07	meq/L
Cation/Anion Difference			0.02%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
 Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Salty Dog #5 Line Leak.**


 Analyst


 Review

CHAIN OF CUSTODY RECORD

6033

Client: BLAGG/XTO			Project Name / Location: SALTY DOG #5 LINE LEAK			ANALYSIS / PARAMETERS													
Client Address:			Sampler Name: JEFF BLAGG			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.:			Client No.: 94034-010																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative HgCl ₂ HCl													
PRODUCED WATER GRAB	1/2/09	0902	48615	Soil Solid Sludge Aqueous	1-Lit.													✓	✓
SOURCE AREA SOIL	"	0910	48614	Soil Solid Sludge Aqueous														✓	✓
				Soil Solid Sludge Aqueous															
				Soil Solid Sludge Aqueous															
				Soil Solid Sludge Aqueous															
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				Soil Solid Sludge Aqueous															
				Soil Solid Sludge Aqueous															
Relinquished by: (Signature) <i>Jeff Blagg</i>					Date	Time	Received by: (Signature) <i>Kenneth Aguiar</i>					Date	Time						
Relinquished by: (Signature)					1/2/09	0956	Received by: (Signature)					1/2/09	0956						
Relinquished by: (Signature)							Received by: (Signature)												

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