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-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator BP America Production Company Telephone. (505)326-9200 e-mail address:
Address 200 Energy Ct, Farmington, NM 87401
Facility or well name SULLIVAN A #1E API #: 3004524498 U/L or Qtr/Qtr M Sec 25 T 29N R 11W
County San Juan Latitude Longitude NAD 1927 ☐ 1983 ☐
Surface Owner Federal ☐ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank
Type: Drilling ☐ Production ☒ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type Synthetic ☐ Thickness ____mil Clay ☐ Pit Volume _____bbl	Volume: ____bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not

RECEIVED
APR 2007
OIL CONS. DIV. DIST. 3

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points)
Wellhead protection area (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)
	Ranking Score (Total Points)	

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☐ offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface_____ft and attach sample results (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments

See Attached Documentation

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date. 11/01/2005
Printed Name/Title Jeffrey C. Blagg, Agent Signature Jeffrey C. Blagg

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations

Approval.
Printed Name/Title Deputy Oil & Gas Inspector, District #3 Signature Date. SEP 10 2007

30045 22470

VIL

CLIENT XTO	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO A0016 C.O.C NO 9813

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION. NAME: SULLIVAN A WELL #: 1E TYPE: ABAN.

QUAD/UNIT: M SEC 25 TWP: 29N RNG: 11W PM: NM CNTY: SJ ST: NM

QTR/FOOTAGE: 990's/810'W SW/SW CONTRACTOR: CHARLIE OEAN

DATE STARTED 4/22/02

DATE FINISHED

ENVIRONMENTAL SPECIALIST NV

EXCAVATION APPROX. 17 FT. x 22 FT. x 7 FT. DEEP. CUBIC YARDAGE 125

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD STOCKPILED

LAND USE: RANGE - BLM LEASE: NM0356' FORMATION OK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 69 FT. N3E FROM WELLHEAD

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER 51,000 / 5000 NW

NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

OVM CALIB. READ. 52.8 ppm

OVM CALIB. GAS = 100 ppm RF = 0.52

TIME: 9:15 (AM)/pm DATE 4/22/02

SOIL AND EXCAVATION DESCRIPTION:

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

SOIL COLOR: LT. GRAY - BLACK (3'-7' BELOW GRADE) MOD. YELL. BROWN (7'-10') PALE YELL. BROWN (10'-13')

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

CLOSED

DISCOLORATION/STAINING OBSERVED: (YES) / NO EXPLANATION - BETWEEN 3-7' BELOW GRADE

HC ODOR DETECTED: (YES) / NO EXPLANATION - BETWEEN 3'-10' BELOW GRADE

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

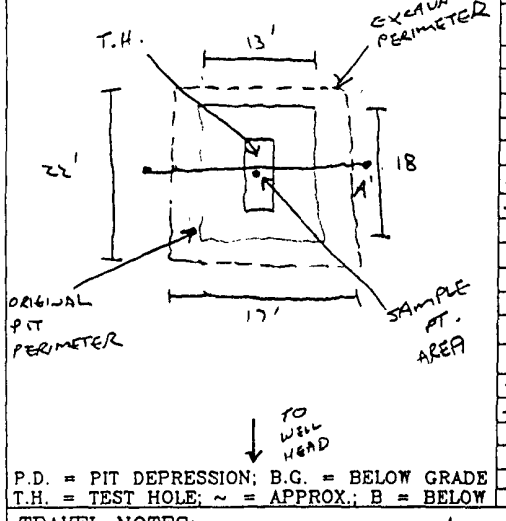
ADDITIONAL COMMENTS: ADVANCED TEST HOLE INITIALLY THEN EXCAVATED PERIMETER AS SHOWN BELOW DOWN TO 10'-11' BELOW GRADE.

FIELD 418.1 CALCULATIONS

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

SCALE 0 FT

PIT PERIMETER



P.D. = PIT DEPRESSION; B.G. = BELOW GRADE
T.H. = TEST HOLE; ~ = APPROX.; B = BELOW

OVM RESULTS

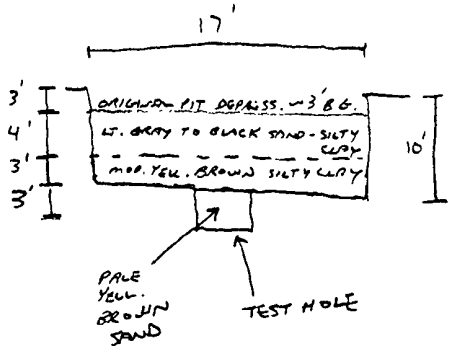
SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
TH @ 8'	592
TH @ 13'	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
TH @ 8'	TPH/BTEX	0903
TH @ 13'	TPH	0907

BOTH PASSED

PIT PROFILE



TRAVEL NOTES: CALLOUT: N/A ONSITE: 4/22/02 - MORN.

revised: 02/27/02

bei1005C.skd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	TH @ 8'	Date Reported:	04-24-02
Laboratory Number:	22578	Date Sampled:	04-22-02
Chain of Custody No:	9813	Date Received:	04-23-02
Sample Matrix:	Soil	Date Extracted:	04-23-02
Preservative:	Cool	Date Analyzed:	04-24-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.7	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	1.7	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: **Sullivan A #1E Abandoned Pit Grab Sample.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	TH @ 8'	Date Reported:	04-24-02
Laboratory Number:	22578	Date Sampled:	04-22-02
Chain of Custody:	9813	Date Received:	04-23-02
Sample Matrix:	Soil	Date Analyzed:	04-24-02
Preservative:	Cool	Date Extracted:	04-23-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**14.6**	**1.7**
Ethylbenzene	**193**	**1.5**
p,m-Xylene	**757**	**2.2**
o-Xylene	**351**	**1.0**
Total BTEX	**1,320**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**97 %**
	1,4-difluorobenzene	**97 %**
	Bromochlorobenzene	**99 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Sullivan A #1E Abandoned Pit Grab Sample.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	TH @ 13'	Date Reported:	04-24-02
Laboratory Number:	22579	Date Sampled:	04-22-02
Chain of Custody No:	9813	Date Received:	04-23-02
Sample Matrix:	Soil	Date Extracted:	04-23-02
Preservative:	Cool	Date Analyzed:	04-24-02
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: **Sullivan A #1E Abandoned Pit Grab Sample.**

Analyst

Review

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CLIENT: XTO

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

LOCATION NO A0016
C.O.C NO 13405

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: SULLIVAN A WELL #: 1E PITS: ABAN.
QUAD/UNIT: M SEC: 25 TWP: 29N RNG: 11W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: SW/SW CONTRACTOR: 3M (C. DEAL)

DATE STARTED 3/31/05
DATE FINISHED
ENVIRONMENTAL SPECIALIST NV

SOIL REMEDIATION:
REMEDIATION SYSTEM: STOCKPILE
APPROX. CUBIC YARDAGE 125
LAND USE: RANGE - BLM
LIFT DEPTH (ft): N/A

FIELD NOTES & REMARKS:
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 ppm
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

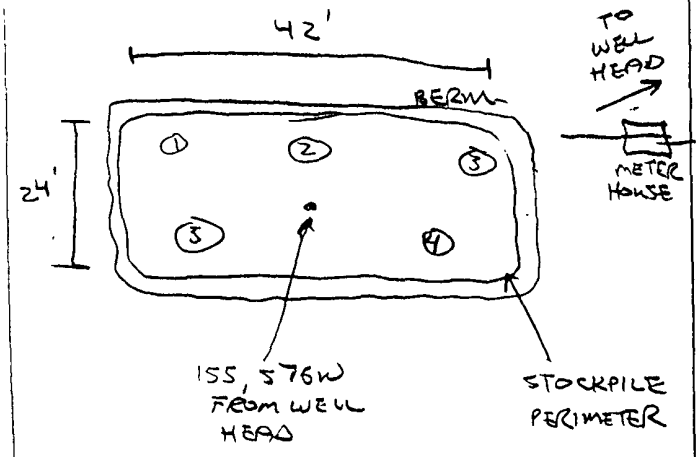
SOIL TYPE (SAND) / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER DRILLING MUD MATERIAL? LT. MED - GRAY
SOIL COLOR: DK. YELL. BROWN
COHESION (ALL OTHERS): (NON COHESIVE) / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE
CONSISTENCY (NON COHESIVE SOILS): (LOOSE) / (FIRM) / DENSE / VERY DENSE
~~PLASTICITY (CLAYS)~~: NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
~~DENSITY (COHESIVE CLAYS & SILTS)~~: SOFT / FIRM / STIFF / VERY STIFF / HARD
CLOSED
MOISTURE: DRY / (SLIGHTLY MOIST) / MOIST / WET / SATURATED / SUPER SATURATED
DISCOLORATION/STAINING OBSERVED: (YES) / NO EXPLANATION - APPARENT DRILLING MUD - LT. MED. GRAY
HC ODOR DETECTED: YES / (NO) EXPLANATION -
SAMPLING DEPTHS (LANDFARMS): N/A (INCHES)
SAMPLE TYPE: GRAB / (COMPOSITE) - # OF PTS. 5
ADDITIONAL COMMENTS:

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS

HT. ~ 9'



OVM CALIB. READ. 53.3 ppm
OVM CALIB. GAS = 100 ppm; RF = 0.52
TIME: 9:10 (AM)/pm DATE: 3/31/05

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
SP-1	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
SP-1	TPH (8015B)	1215	104

P.C. - 4/22/02

SCALE
0 FT

TRAVEL NOTES: CALLOUT: N/A ONSITE: 3/31/05

revised: 07/16/01

bei1006A.skd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	SP - 1	Date Reported:	04-04-05
Laboratory Number:	32493	Date Sampled:	03-31-05
Chain of Custody No:	13405	Date Received:	03-31-05
Sample Matrix:	Soil	Date Extracted:	04-01-05
Preservative:	Cool	Date Analyzed:	04-04-05
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)	**104**	**0.1**
Total Petroleum Hydrocarbons	**104**	**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: **Sullivan A #1E Stockpile 5 Pt. Composite Sample.**

Analyst

Review

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CHAIN OF CUSTODY RECORD

13405

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
BLAGG/ XTO ENERGY	SULLIVAN A #1E	
Sampler: NJV	Client No. 94034-010	

Remarks: PRESERVED COOL; 5 PT. COMPOSITE SAMPLE

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015B)						Remarks
SP - 1	3/31/05	1215	32493	SOIL	1	✓						STOCKPILE

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/31/05	1334	[signature]	3/31/05	1334
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.
5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	04-04-TPH QA/QC	Date Reported:	04-04-05
Laboratory Number:	32490	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-04-05
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	04-01-05	1.9097E-002	1.9078E-002	0.10%	0 - 15%
Diesel Range C10 - C28	04-01-05	2.2011E-002	2.1989E-002	0.10%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	10.2	10.1	1.0%	0 - 30%
Diesel Range C10 - C28	3,610	3,600	0.3%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	10.2	250	260	99.8%	75 - 125%
Diesel Range C10 - C28	3,610	250	3,850	99.7%	75 - 125%

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: **QA/QC for Samples 32490 - 32493, 32495 - 32497.**

Analyst

Review

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