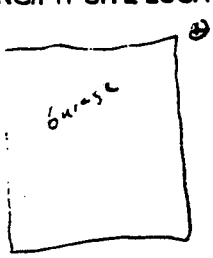
APPENDIX B
FIELD BORING LOGS

SOIL BORING LOG

BORING/PIT NO:	GW-1
SHEET 1 OF	1
PROJECT NO:	559-06030

DATE: 5/31/06 | PROJECT NAME: Hannam Ranch

BORING/PIT SITE LOCATION PLAN:



SEC:	TWN:	RGE:	LAT:	LONG:
DRILLING CO:	Vitmex			
DRILL CREW:	Chris / Angel			
DRILLING/TRENCHING METHOD:	Direct Push			
PIT DIMENSIONS:	LENGTH	WIDTH	DEPTH	

GROUNDWATER LEVELS

DATE	ACTUAL TIME	DEPTH BLS

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID ☐ PID ☑ (PPM)	USCS	REMARKS
	GW-1-0		Clay, Brown, Damp	ND	CL	1915
5			Sandy silt, Brown, Wet	ND	ML	1920
	GW-1-6					
10			TD = 13			GW sample collected @ 1920

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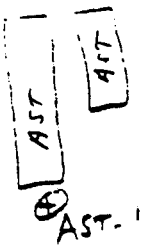
SOIL BORING LOG

BORING/PIT NO:	AST-100
SHEET 1 OF 1	
PROJECT NO:	559-06030

DATE: 5/31/00	PROJECT NAME: Hamm Ranch	

BORING/PIT SITE LOCATION PLAN:



SEC:	TWN:	RGE:	LAT:	LONG:
DRILLING CO: Virmex				
DRILL CREW: Chris / Angel				
DRILLING/TRENCHING METHOD: Direct Push				
PIT DIMENSIONS:	LENGTH	WIDTH	DEPTH	

GROUNDWATER LEVELS

DATE	ACTUAL TIME	DEPTH BLS

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID ☐ PID ☑ (PPM)	USCS	REMARKS
	AST-0'		Clay, Brown, Damp	ND	CL ND	1450
5	AST-1-5		Same as above - No Discoloration	ND	ND	1457
			Water encountered @ 6'		▽	
10	AST-1-10		Silty Sand, Brown, moist	ND	ND	1500
						TD = 10 Water sample collected

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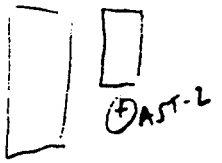
SOIL BORING LOG

BORING/PIT NO:	AST-2
SHEET 1 OF 1	
PROJECT NO:	559-06030

DATE: 5/31/00 | PROJECT NAME: Hannon Ranch

BORING/PIT SITE LOCATION PLAN:



SEC: TWN: RGE: LAT: LONG:	
DRILLING CO:	Vironex
DRILL CREW:	Chris / Angel
DRILLING/TRENCHING METHOD:	Direct Push
PIT DIMENSIONS: LENGTH WIDTH DEPTH	

GROUNDWATER LEVELS

DATE	ACTUAL TIME	DEPTH BLS

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID ☐ PID ☐ (PPM)	USCS	REMARKS
	AST-2-0		Clay, Brown, Dry	ND	CL	1400
5	AST-2-5		Silty Sand, Brown, Damp Water @ ≈ 6' No Dark Staining	ND	SM ▽	1405
10	AST-2-10		Silty Sand Brown Moist	NO	SM	1410
						TD-10'

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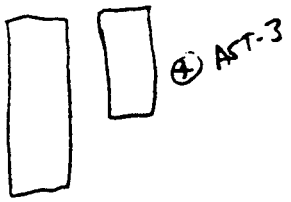
SOIL BORING LOG

BORING/PIT NO: AST-3

SHEET 1 OF 1

DATE: 5/31/00 | PROJECT NAME: Hanna Ranch | PROJECT NO: 559-06030

BORING/PIT SITE LOCATION PLAN:



SEC: TWN: RGE: LAT: LONG:

DRILLING CO: Vironex

DRILL CREW: Chris / Angel

DRILLING/TRENCHING METHOD: Direct Push

PIT DIMENSIONS: LENGTH WIDTH DEPTH

GROUNDWATER LEVELS

DATE	ACTUAL TIME	DEPTH BLS

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID ☐ PID ☐ (PPM)	USCS	REMARKS
	AST-3 -0		Clay, Brown, moderate saturation	9-10	CL	1305
	AST-3 -5		zone appears wet Clay, Black, Moist, strong Diesel odor	70-90	CL	1310
	AST-3 10		Clay, Brown, Moist	5-6	CL	1312
						TD = 10' water sample collected

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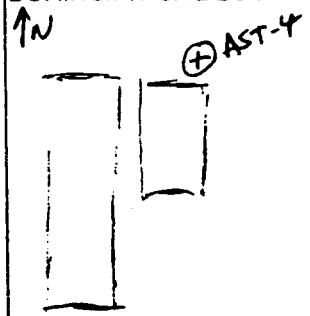
SOIL BORING LOG

BORING/PIT NO: AST-4
SHEET 1 OF 1

DATE: 5/31/00 | PROJECT NAME: Hannon Ranch | PROJECT NO: 559-06030

BORING/PIT SITE LOCATION PLAN:



SEC: TWN: RGE: LAT: LONG:

DRILLING CO: Vironex

DRILL CREW: Chris / Angel

DRILLING/TRENCHING METHOD: Direct Push

PIT DIMENSIONS: LENGTH WIDTH DEPTH

GROUNDWATER LEVELS

DATE	ACTUAL TIME	DEPTH BLS

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID ☐ PID ☑ (PPM)	USCS	REMARKS
	AST-4 1		Clay, Brown, Dry	5-9	CL	1115
5	AST-4 5		Silty Sand, v fn. Brown, wet Moisture @ 6' Petroleum odor.	15	SM	▽ Water Likely Perch on Clay. 1118
						Moisture content decreasing w/ increasing clay content.
10	AST-4 10		Silty Clay, Brown, Moist	ND	CL	1122 TD= 10'; Installed Hydropunch sampler.
15						

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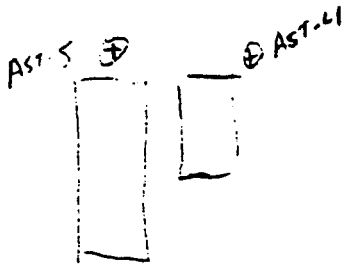
SOIL BORING LOG

BORING/PIT NO: AST-5
SHEET 1 OF 1
PROJECT NO: 559-06030

DATE: 5/31/06 | PROJECT NAME: Hannon Ranch

BORING/PIT SITE LOCATION PLAN:



SEC: TWN: RGE: LAT: LONG:

DRILLING CO: Virgner

DRILL CREW: Chris/Angel

DRILLING/TRENCHING METHOD: Direct Push

PIT DIMENSIONS: LENGTH WIDTH DEPTH

GROUNDWATER LEVELS

DATE	ACTUAL TIME	DEPTH BLS

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID ☐ PID ☑ (PPM)	USCS	REMARKS
	AST-5-0		Silty Sand Brown, Dry		SM	1214
			▽		▽	water @ base of silt sand.
5	AST-5-5		Clay, Black Damp	80-90	CL	1120
10	AST-5-10		Clay, Brown, Damp	2-3	CL	1125
						TD = 10' GW sample collected.

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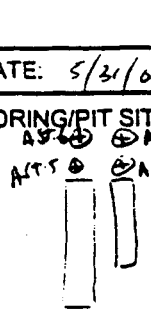
SOIL BORING LOG

BORING/PIT NO:	AST-7
SHEET 1 OF 1	
PROJECT NO:	559-06030

DATE: 5/31/00 | PROJECT NAME: Hanson Ranch

BORING/PIT SITE LOCATION PLAN:



SEC:	TWN:	RGE:	LAT:	LONG:
DRILLING CO:	Virone			
DRILL CREW:	Chris / Angel			
DRILLING/TRENCHING METHOD:	Direct Push			
PIT DIMENSIONS:	LENGTH	WIDTH	DEPTH	

GROUNDWATER LEVELS

DATE	ACTUAL TIME	DEPTH BLS

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID ☐ PID ☑ (PPM)	USCS	REMARKS
						1602 started. No sample collected.
5	AST-7 5'		Silty Sand, moderate/Black Diesel odor material in a predominantly Brown Matrix	ND	SM	1610
			Est. GW @ 8 x 6'			
10	AST-7 10'		Silty Clay, Brown, wet	ND	CL	1614
						Collected GW Sample

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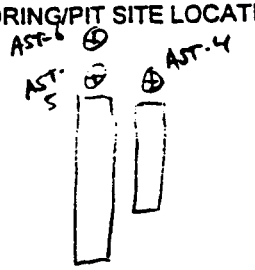
SOIL BORING LOG

BORING/PIT NO: AST-6
SHEET 1 OF 1
PROJECT NO: 559-06030

DATE: 5/3/00 | PROJECT NAME: Hanna Ranch

BORING/PIT SITE LOCATION PLAN:



SEC: TWN: RGE: LAT: LONG:

DRILLING CO: Virmex

DRILL CREW: Chris/Angel

DRILLING/TRENCHING METHOD: Direct Push

PIT DIMENSIONS: LENGTH WIDTH DEPTH

GROUNDWATER LEVELS

DATE	ACTUAL TIME	DEPTH BLS

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID ☐ PID ☑ (PPM)	USCS	REMARKS
	AST-6 -0		Clay, Brown, Dry		CL	1350
5	AST-6-5		Silty Sand, Black, Damp to Moist	25	SM	1353 strong Diesel odor
			▽ water @ ≈ 6'			
10	AST-6-10		Silty Clay, Brown, Damp to Moist	ND	CL	1600
						No water sample collected. TD = 10'

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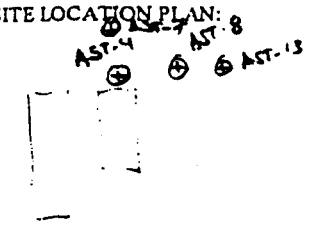
SOIL BORING LOG

BORING NO:	AST-8
SHEET 1	OF 1
PROJECT NO:	559-06630

DATE: 5/31/00 | PROJECT NAME: Hannon Ranch

BORING SITE LOCATION PLAN:



SEC: TWN: RGE: LAT: LONG:

DRILLING CO: Vironex

DRILLING METHOD: Direct Push

LOGGED BY: Friedman

BORING DIMENSIONS: WIDTH DEPTH

GROUNDWATER LEVELS

DATE	ACTUAL TIME	DEPTH BGS

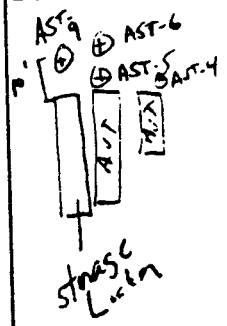
DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID ☐ PID ☑ (PPM)	USCS	REMARKS
			Clay, Brown, Damp	ND	CL	
5	AST-8.5		Silty Clay, Brown, No Discolnation	ND	CL	
			GW ~ 6'	▽		
10	AST-8.10		As Above			TD = 10'

SOIL BORING LOG

BORING/PIT NO:	AST-9
SHEET 1 OF 1	
PROJECT NO:	559-0G030

DATE: 5/31/06 | PROJECT NAME: Hannon Ranch

BORING/PIT SITE LOCATION PLAN:



SEC: TWN: RGE: LAT: LONG:

DRILLING CO: Vironex

DRILL CREW: Chris / Angel

DRILLING/TRENCHING METHOD: Direct Push

PIT DIMENSIONS: LENGTH WIDTH DEPTH

GROUNDWATER LEVELS

DATE	ACTUAL TIME	DEPTH BLS

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID ☐ PID ☑ (PPM)	USCS	REMARKS
5	AST-9-5		Silty Clay, Black, strong dioxide odor. Damp 6W @ 6'	50	CL	1735
10	AST-9-10		Silty Clay, Brown, moist to wet	ND	CL	1547 No 6W sample collected. TD=10'

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SOIL BORING LOG

BORING/PIT NO:	AST-10
SHEET 1 OF 1	
PROJECT NO:	559-06030

DATE: 5/3/00 | PROJECT NAME: Hanson Rock

BORING/PIT SITE LOCATION PLAN:

SEC:	TWN:	RGE:	LAT:	LONG:
DRILLING CO:	Virmex			
DRILL CREW:	Chris / Angel			
DRILLING/TRENCHING METHOD:	Direct Push			
PIT DIMENSIONS:	LENGTH	WIDTH	DEPTH	

GROUNDWATER LEVELS

DATE	ACTUAL TIME	DEPTH BLS

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID ☐ PID ☐ (PPM)	USCS	REMARKS
5	AST-10 5		Silty Clay, Brown, wet	NO	CL	1750 No discolorations observed.
			TD = 5' No GW sample collected			
10						

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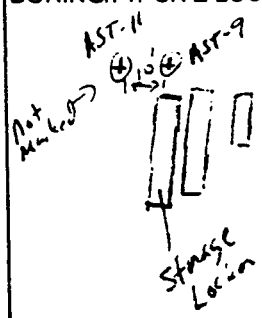
SOIL BORING LOG

BORING/PIT NO:	AST-11
SHEET	1 OF 1
PROJECT NO:	559-06030

DATE: 5/31/00 | PROJECT NAME: Hannon Ranch

BORING/PIT SITE LOCATION PLAN:



SEC: TWN: RGE: LAT: LONG:

DRILLING CO: Vilmex

DRILL CREW: Chris / Angel

DRILLING/TRENCHING METHOD: Direct Push

PIT DIMENSIONS: LENGTH WIDTH DEPTH

GROUNDWATER LEVELS

DATE	ACTUAL TIME	DEPTH BLS

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID ☐ PID ☑ (PPM)	USCS	REMARKS
5	AST-11-5		Silty Sand, Dark Gray, mod. odor wet The Disculored lens appears to terminate @ ≈ 6' where water zone is observed.	ND	SM	1640 No GW sample collected

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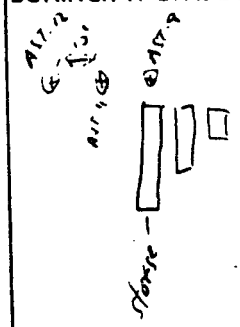
SOIL BORING LOG

BORING/PIT NO:	ASF-12
SHEET 1 OF 1	
PROJECT NO:	555-06030

DATE: 5/31/00 | PROJECT NAME: Hogan Ranch

BORING/PIT SITE LOCATION PLAN:



SEC: TWN: RGE: LAT: LONG:	
DRILLING CO:	Vimex
DRILL CREW:	Chris / Angel
DRILLING/TRENCHING METHOD:	Direct Push
PIT DIMENSIONS: LENGTH WIDTH DEPTH	

GROUNDWATER LEVELS

DATE	ACTUAL TIME	DEPTH BLS

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID ☐ PID ☑ (PPM)	USCS	REMARKS
1	ASF-12-1		Silty Clay, Brown, No Discoloration TD = 5'	ND	CL	1850 No GW Sample collected

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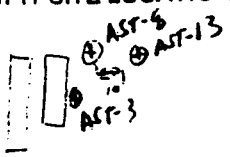
SOIL BORING LOG

BORING/PIT NO: AST-13	
SHEET 1 OF 1	
PROJECT NO: 559-06030	

DATE: 5/31/00 | PROJECT NAME: Hanna Ranch

BORING/PIT SITE LOCATION PLAN:



SEC: TWN: RGE: LAT: LONG:

DRILLING CO: Vimax

DRILL CREW: Chris / Angel

DRILLING/TRENCHING METHOD: Direct Push

PIT DIMENSIONS: LENGTH WIDTH DEPTH

GROUNDWATER LEVELS

DATE	ACTUAL TIME	DEPTH BLS

DEPTH	SAMPLE NO.	PEN. RATE/ BLOW COUNTS	DESCRIPTION	FID ☐ PID ☐ (PPM)	USCS	REMARKS
	AST-13-5		Silty Clay, Brown No discolorations bw @ ≈ 6' No bw sample collected	ND	CL	1960 TD=5'

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