RAM SERVICES CORPORATION

CIMAREX ENERGY CO.

WINNINGHAM # 9 WELL SITE AP 1 # 30025286370000

C141 SITE REMEDIATION PLAN

PROJECT REF: RAM-06-001

UL-B (NW¼ OF THE NE¼) OF SECTION 30 T25S R37E

LATITUDE: N32° 06.411' LONGITUDE: 103° 11.980'

~1.1 MILES SW (BEARING 214°) OF THE INTERSECTION OF NM HWY 18 AND NM HWY 128

CITY OF JAL

LEA COUNTY, NEW MEXICO

March 3, 2007



PREPARED FOR RAM SERVICES INCORPORATED

HUNGRY HORSE, LLC

Environmental Services John Good – Project Manager/Consultant

3709 S. Eunice Hwy, P.O. Box 1058, Hobbs, New Mexico 88241 incident - n PAC0707925911 application - p PAC0707926105

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*all printed copies of this document will have photocopies of all laboratory documentation included; electronically transmitted copies will not have reports included.

1.0 Introduction and Background

This report addresses the proposed risk-based remediation of the Cimarex Energy Co. (CIMAREX) – Winningham No. 9 release site. This C141 Remediation Plan is based on the results of the Soil and Ground Water Investigation conducted according to the plan submitted to NMOCD on November 7, 2006. The 60-bbl release of produced water occurred during the night of August 22, 2006 when the valves of a parked Ram Services Inc. (RAM) vacuum truck were maliciously opened.

The CIMAREX Willingham No. 9 production well and associated drilling pit are located on privately owned land in Unit Letter B, (NW¼ of the NE¼), Section 30, T25S, R37E. The GPS coordinates are: Latitude: N32° 06.411'; Longitude: 103° 11.980'. A location map, topographical map, aerial photo of the site and a site detail drawing are included as Plates 1-4 in the Attachments.

CONTACT INFORMATION

RAM Services Incorporated:

Brad Roberts, RAM Services Inc., Owner Phone: 505-395-3502 email: <u>ariesbradstar@aol.com</u> Mailing Address: P.O. Drawer 1265, Jal, NM 88252-1265

Hungry Horse, LLC:

Jerry Brian, General Manager/Registered Environmental Manager Phone: 505-393-3386 email: <u>jrbrian@verizon.net</u> Mailing Address: P.O. Box 1058, Hobbs, NM 88241

2.0 Site Description

2.1 Geological Description

<u>The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and Ground-Water Conditions in Southern Lea County, New Mexico," A. Nicholson and A.</u> <u>Clebsch, 1961</u>, describes the near surface geology of southern Lea County as "an intergrade of the Quaternary Alluvium (QA) sediments, i.e., fine to medium sand, with the mostly eroded Cenozoic Ogallala (CO) formation. Typically, the QA and CO formations in the area are capped by a thick interbed of caliche and generally overlain by sandy soil." The release site is located at the southern extent of the Eunice Plain physiographic subdivision, described by Nicholson & Clebsch as an area "underlain by a hard caliche surface that is almost entirely covered by reddish-brown dune sand". The thickness of the sand cover ranges from 2-5 feet in most areas to as much as 20-30 feet in drift areas (Nicholson & Clebsch - 1961).

2.2 Ecological Description

The area is typical of the Upper Chihuahuan Desert Biome consisting primarily of hummocky sand hills covered with Harvard Shin Oak (*Querqus harvardi*) interspersed with Honey Mesquite (*Prosopis glandulosa*) along with typical desert grasses, flowering annuals and flowering perennials. Mammals represented, include Orrd's and Merriam's Kangaroo Rat, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, Mule Deer, Bobcat, Red Fox and Coyote. Reptiles, Amphibians, and Birds are numerous

and typical of area. A survey of Listed, Threatened, or Endangered species was not conducted.

2.3 Area Ground Water

Based on available evidence, depth to ground water is projected to be >175-feet below ground surface (bgs).

2.4 Area Water Wells

There are no recorded or observed water wells within 1000 horizontal feet of the site.

2.5 Area Surface Water Features

No permanent surface water bodies exist within 1000 horizontal feet of the site.

3.0 Contaminant and Size of Area

The primary Contaminants of Concern (COC's) are total chlorides and, to a lesser extent, petroleum based hydrocarbons. The release affected area is irregular in shape with the primary affected area extending approximately 120-ft north of the battery fence line. The east-west extent is a maximum of 210-ft. The calculated area of the total release is ~19,100-ft² (see Plate 4, Attachments).

The work-over fluids associated with this release are considered RCRA Exempt oilfield waste. No evidence of other contaminants was observed.

4.0 NMOCD Site Ranking Table

Preliminary investigation and evaluation of this site indicate that the chemical parameters of the soil and the physical parameters of the ground water are characterized consistent with the characterization and remediation/abatement goals and objectives set forth in the following New Mexico Oil Conservation Division (NMOCD) publications:

- Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)
- ➤ Unlined Surface Impoundment Closure Guidelines (February 1993)

Acceptable thresholds for contaminants/constituents of concern (CoCs), i.e., TPH^{8015m}, Benzene, and the mass sum of Benzene, Toluene, Ethyl Benzene, and total Xylenes (BTEX⁸²⁶⁰), was determined based on the NMOCD Ranking Criteria as follows:

- Depth to Ground water, i.e., distance from the lower most acceptable concentration to the ground water.
- Wellhead Protection Area, i.e., distance from fresh water supply wells.
- Distance to Surface Water Body, i.e., horizontal distance to all down gradient surface water bodies.

Based on the proximity of the site to area water wells, surface water bodies, and depth to ground water from the lower most contamination, the NMOCD ranking score for the site is 0 points with the soil remedial goals highlighted in the Site Ranking Table on the following page.

1. GRO	UND WATER	3. DISTANCE TO SURFACE WATER			
DEPTH TO GW <50 FEET: 20 POINTS		IF <1000' FROM WATER SOURCE, OR; <200' FROM PRIVATE DOMESTIC	<200 HORIZONTAL FEET: 20 POINTS		
	V 50 TO 99 FEET: POINTS	WATER SOURCE: 20 POINTS	200-1000 HORIZONTAL FEET: 10 POINTS		
	GW >100 FEET: POINTS	IF >1000' FROM WATER SOURCE, OR; >200' FROM PRIVATE DOMESTIC WATER SOURCE: 0 POINTS	>1000 HORIZONTAL FEET: 0 POINTS		
GROUND W	ATER SCORE = 0	WELLHEAD PROTECTION SCORE= 0	SURFACE WATER SCORE= 0		
		SITE RANK (1+2+3) = 0 + 0 + 0 = 0 POINTS			
	TOTAL SITE RANK	NG SCORE AND ACCEPTABLE REMEDIAL GOAL	CONCENTRATIONS		
PARAMETER	20 ÷	10	0		
BENZENE	10 ppra	13 Peik	10 mm		
BTEX	50 PPM	Si PPA	60 inte		
ТРН	100 PAN	-1000 MP41	5000 mm		

NMOCD Site Ranking Table

5.0 Proposed Remediation

The delineation of the vertical and horizontal contamination extents were accomplished with the drilling and sampling of thirteen boreholes within or beyond the perimeter of the contaminated area. Maximum boring depth was 60-ft bgs at the BH #1 and BH #2 locations in the center of the release affected area. Analytical results and drawings of all boreholes are included in the Attachments. The delineation of the site yielded expected results: a) the vertical chloride contamination from the 2520-gal produced water release from the Ram Services vacuum truck was limited to the top 3-ft throughout most of the confined release area; b) the central area of the release area was more deeply penetrated (10 to 15-ft) due to pooling of the released fluids; and c) the central area chloride contamination from the truck release merged with the existing reserve pit contamination which extends as deep as 55-ft bgs at the BH #2 location.

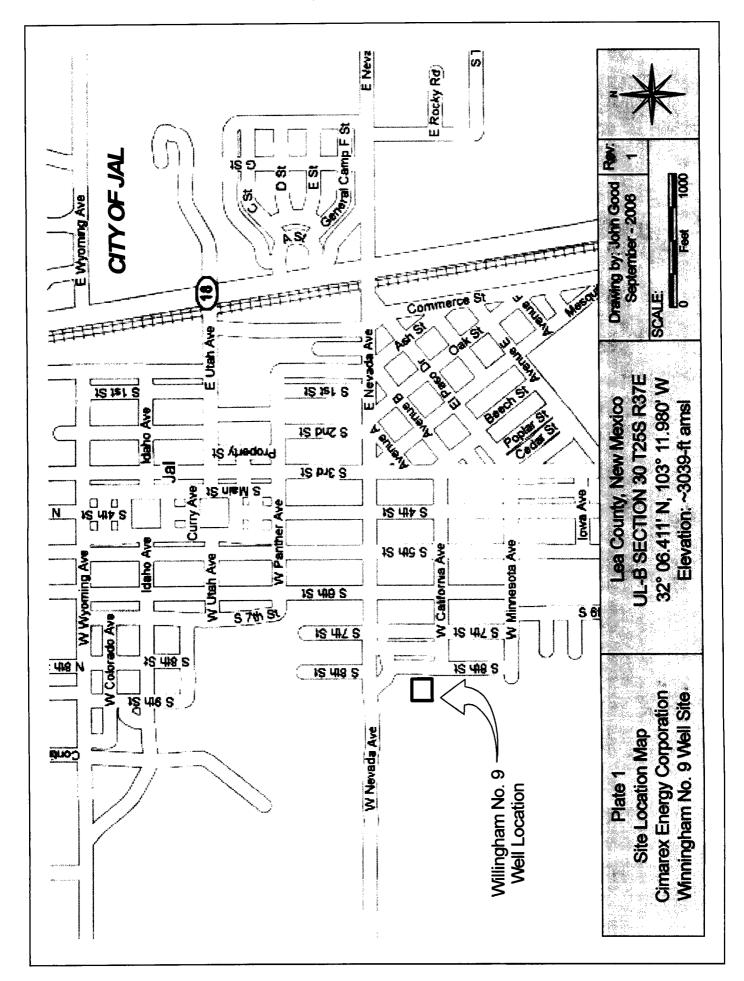
Remedial goals at this site are to protect the ground water located \sim 175-ft bgs, and to restore the release affected surface area to allow re-vegetation. Ram Services, Inc. proposes the following remedial actions at the Cimarex Winningham #9 site:

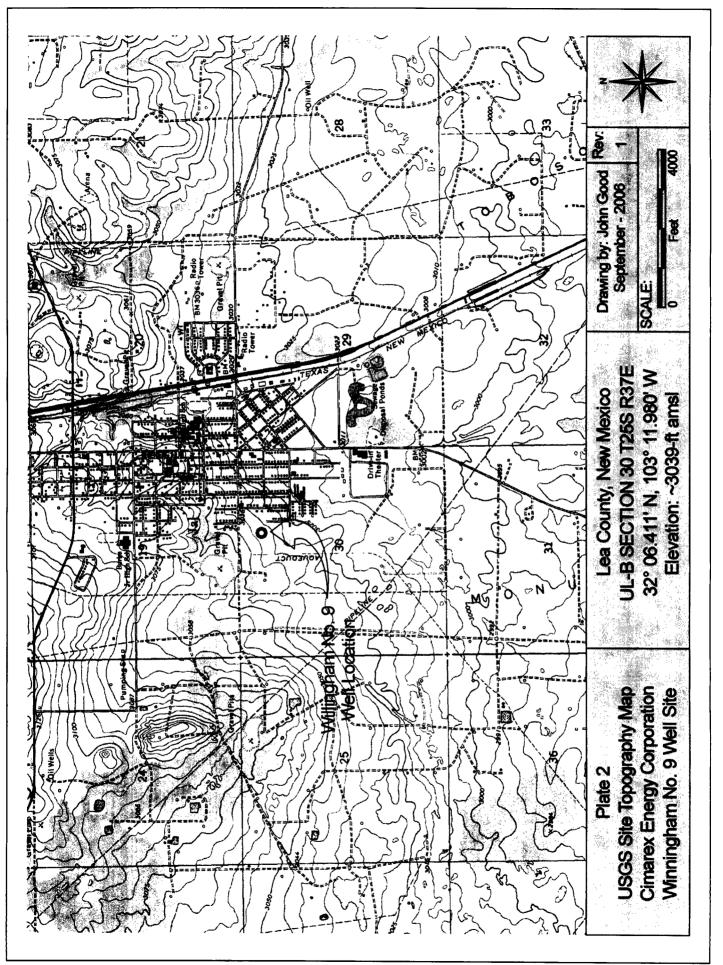
- 1. The surface of the entire release affected area (~19,100-ft²) will be excavated to a depth of 3-ft bgs and disposed of at a facility approved by NMOCD to receive chloride contaminated soil. Approximately 2,100-yd³ of contaminated soil will be removed.
- 2. After excavation and disposal, a 180-ft X 100-ft, 20-mil, woven plastic liner will be installed over the existing reserve pit at the 3-ft bgs level *(see Plate 6, attachments)*.
- 3. After liner installation, the entire excavated volume will be backfilled with clean topsoil from an, as yet, undetermined off-site source.
- 4. The site will be re-seeded as per the preferences of the landowner.

ATTACHMENTS

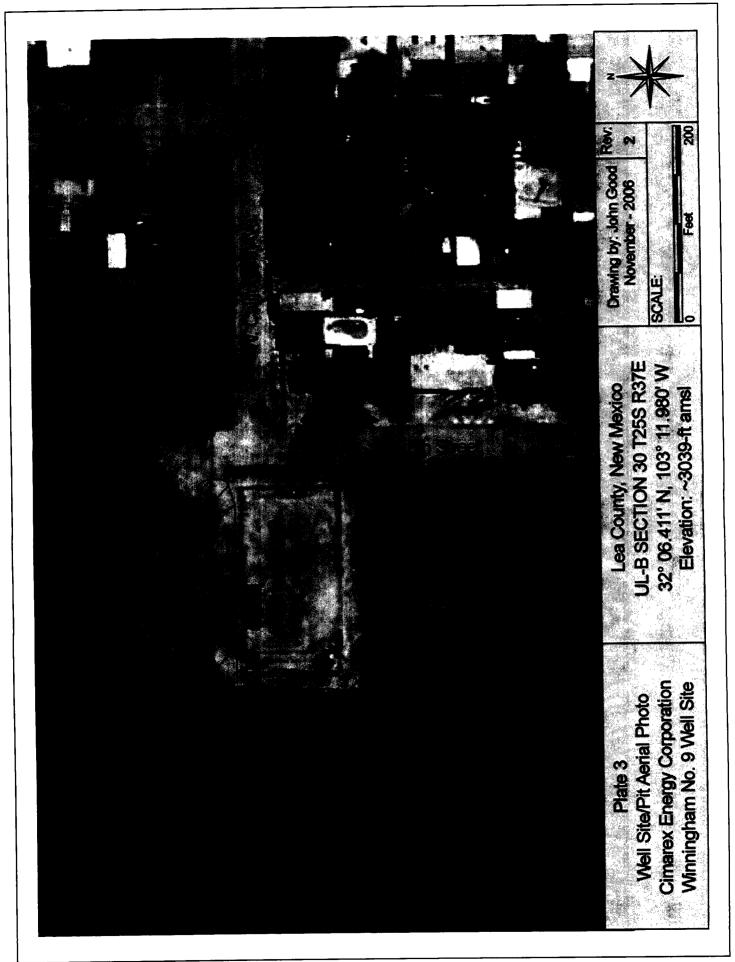
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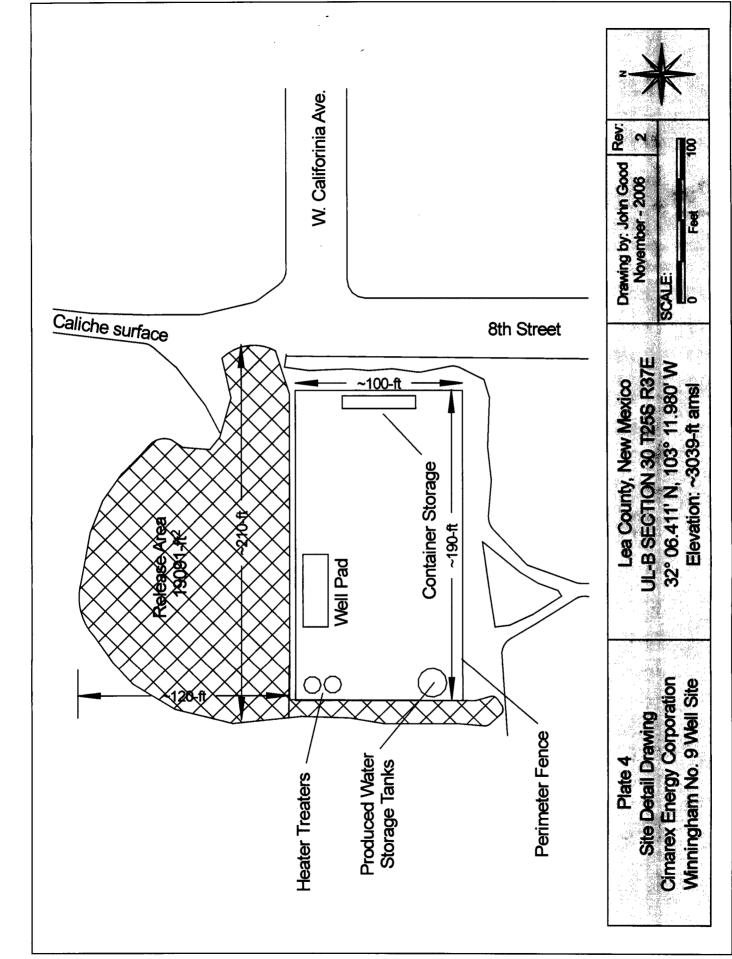


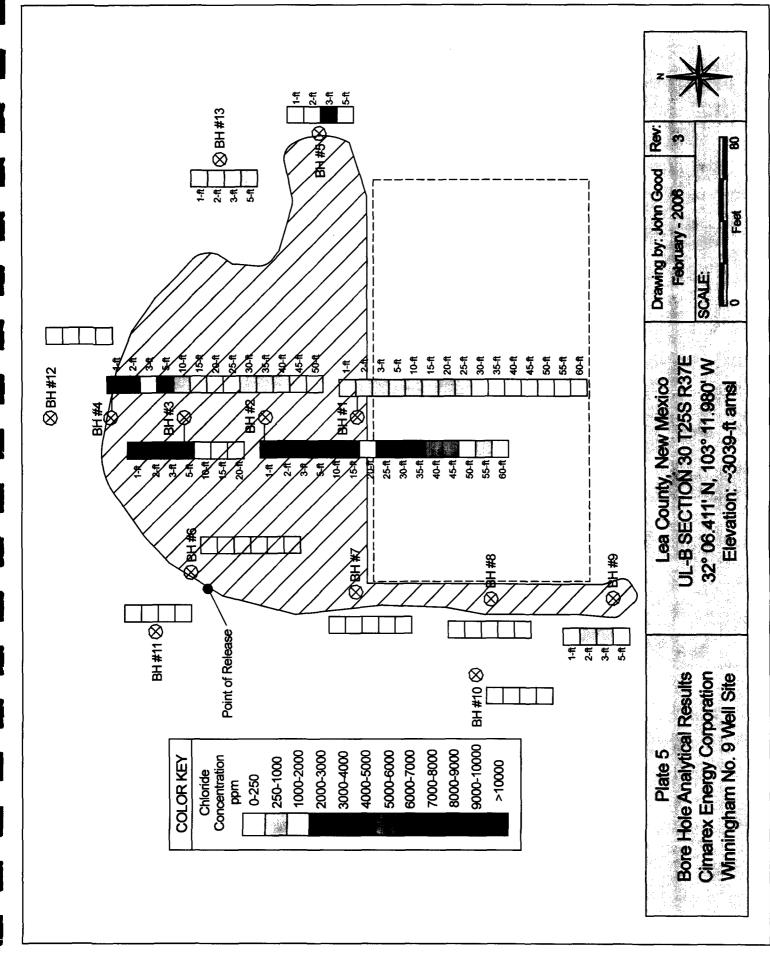


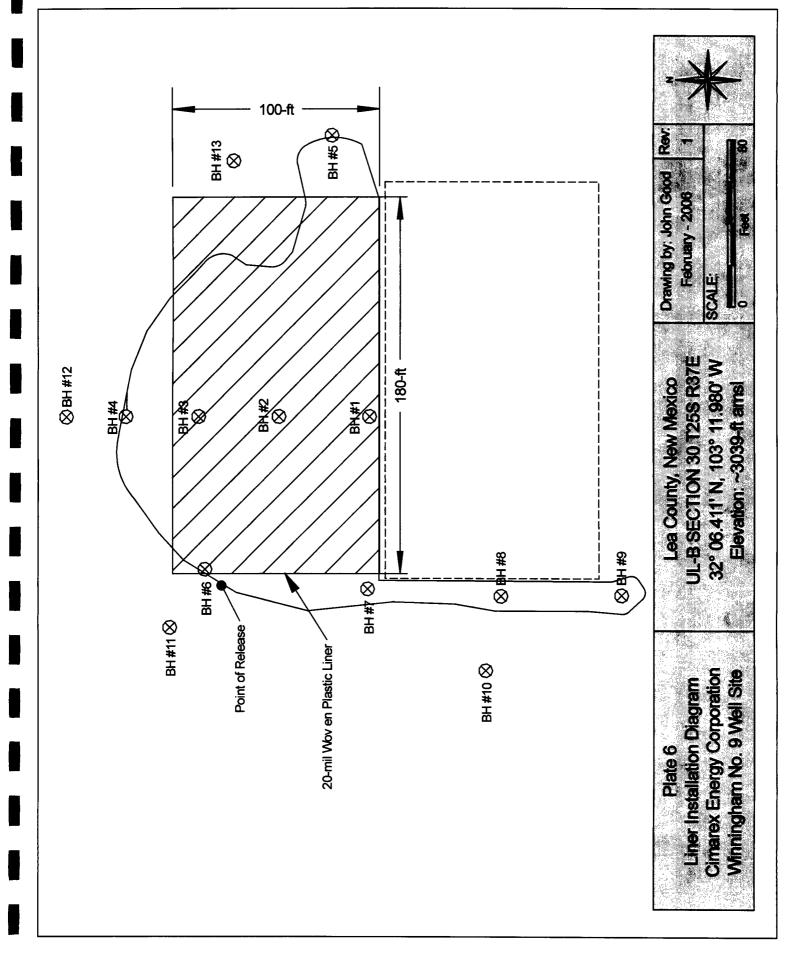
HUNGRY HORSE, LLC



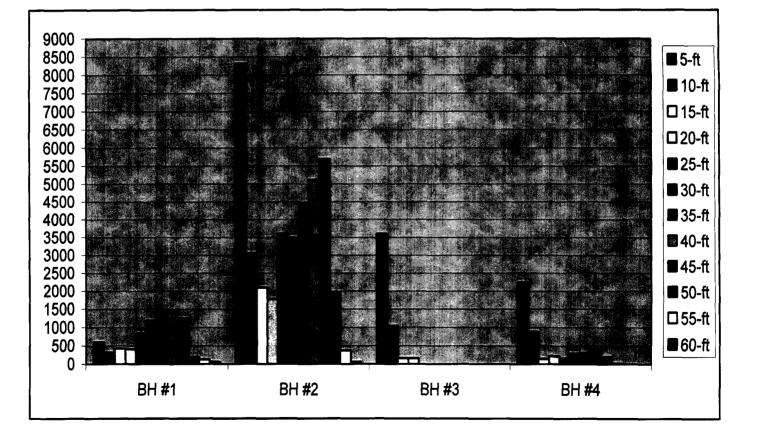
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Sample										ESULTS			
Depth'	BH #1	BH #2	BH #3	BH #4	BH #5	BH #6	BH #7	BH #8	BH #9	BH #10	BH #11	<u>BH #12</u>	<u>BH #1:</u>
1-ft	208	8480	19194	2319	48	16	48	192	128	16	16	16	48
2-ft	480	6798	7358	2159	64	32	48	256	400	16	16	16	128
3-ft	640	8317	4399	1839	4178	240	128	240	624	16	16	32	176
5-ft	600	8317	3599	2239	112	208	208	240	16	16	16	16	368
10-ft	320	3055	1040	880		32	16	32					
15-ft	432	2095	160	144		32							
20-ft	416	1775	160	224									
25-ft	832	3599		160									
30-ft	1184	3487		288									
35-ft	1440	4463		304									
40-ft	1440	5118		416									
45-ft	1248	5694		208									
50-ft	192	1951		16									
55-ft	128	368											
60-ft	64	64											



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Sample	Sample	GRO ²	DRO ³	TPH⁴	BTEX⁵	Benzene	Toluene	Benzene	Xylene
Location	Depth ¹	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
	1-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
BH #1	2-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	3-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	1-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
BH #2	2-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	3-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	1-ft	10	65.5	75.5	0.045	0.005	0.009	0.005	0.026
BH #3	2-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	3-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	1-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
BH #4	2-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	3-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	1-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
BH #5	2-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	3-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
<u> </u>	1-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
BH #6	2-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	3-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	1-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
BH #7	2-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	3-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	1-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
BH #8	2-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	3-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
·····	1-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
BH #9	2-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	3-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	1-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
BH #10	2-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	3-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	1-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
BH #11	2-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	3-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	1-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
BH #12	2-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	3-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	1-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
BH #13	2-ft	10	10	20	0.030	0.005	0.005	0.005	0.015
	3-ft	10	10	20	0.030	0.005	0.005	0.005 (detection lim	0.015

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HUNGRY HORSE, LLC

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
Distric 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

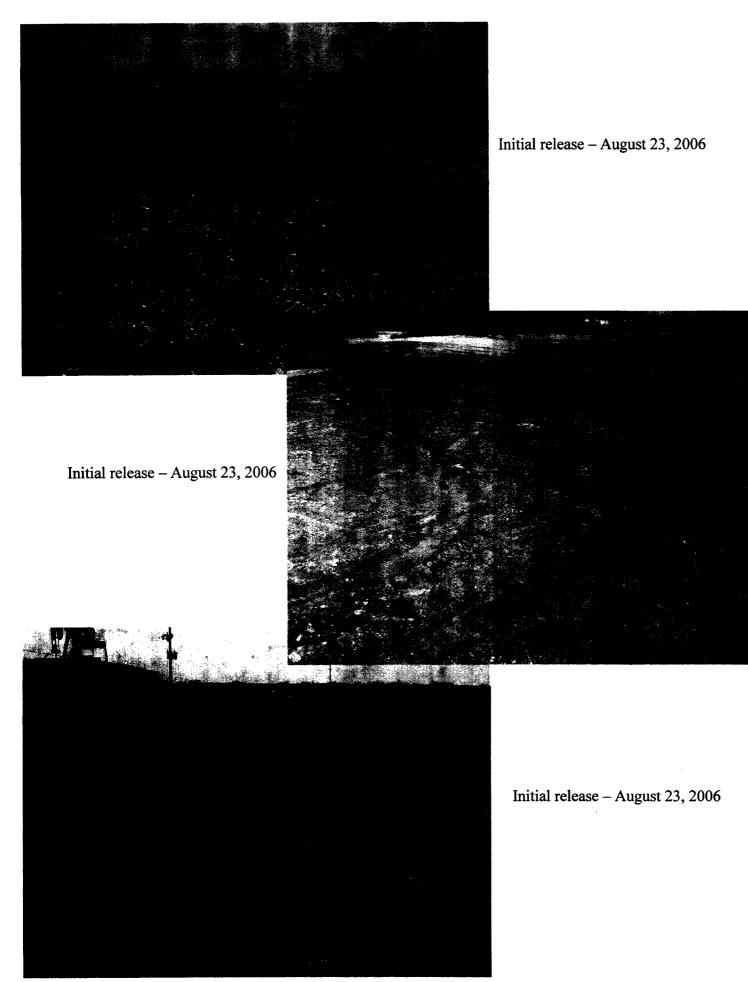
Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form.

		Re	lease Notific	ation a	and Co	orrective Ac	tion				
	OI	PERATOR						🗹 Initial	Report 🛛 Final	Report	
Name of Compa		Ram Serv	ices, Inc.	_	Contact	t	Clint W	/idener			
Address	P.O. Drawer	1265	Jal, NM		Teleph	one No.	505-631	-8886			
Facility Name		Ram Services	Truck Yard		Facility	Туре	Injectio	n Well			
Surface Owner G. Fulfer Mineral Own					1	State of NM		Lease N	0.		
			LOCAT	FION	OF RE	LEASE A	PH#3	20075	2863700	600	
Unit Letter	Section	Township	Range	Feet	from	Feet from		tude-W	Latitude-N	County	
В	30	258	37E	Sout	h Line	East Line	103deg	11.980'	32deg 06.411'	Lea	
					60	980	litting				
			<u> </u>	JRE O	F REI	LEASE					
Type of Release					Volum	e of Release		Volume	Recovered		
Produced Wate						60	bbl	L		bbl	
Source of Relea					Date an	d Hour of Occ	urrence	Date and	d Hour of Disco	•	
Vacuum Truck						8/22/2006			8/23/06; 12:0	<u>0 PM</u>	
Was Immediate	Notice Given?] Not Required		If YES,	, To Whom?					
		- Apache Corpo			Date an	d Hour	· <u> </u>	0	9/18/06		
Was a Watercou					If YES, Volume Impacting the Watercourse						
		□ YES	⊡ NO		NA						
If a Watercourse	e was Impacted,	, Describe Fully*									
									<u></u>		
		Remedial Actio			. .						
-		ick. NM State P	olice Officer Ra	aynes (1	irst res	ponder), ordei	ed that t	he affect	ted area be cov	ered with	
clean soil to ab	sorb free fluids	S.									
Describe Area A	ffected and Cle	eanup Action Tal	ken *								
		nately 19,100-ft ²		orth of	the Cirr	aray Winning	ham #0 (tank and	wall location	Hunger	
		tracted to perform	-		uit Cin		$main \pi \gamma$	IAUK AUU	wen location.	iiungi y	
norse, ELC, n											
	-	ven above is true and							-	-	
• •		ease notifications an								•	
		as "Final Report" do und water, surface wa									
		ny other federal_state									
Signature:	(origin	al submittal sign	ed by J. Brian)			<u>OIL</u>	<u>CONSE</u>	RVATIO	N DIVISION		
								~	\sim		
Printed Name:	Jerry B	rian (on behalf	of Ram Service	s)	Approv	ed by District	Superviso	alse	+ blac		
	D								-pro-		
Title:	Project N	lanager, Hun	gry Horse L	LC	Approv	al Date: 3-1	1-07	Expirati	on Date: 6-	14-07	
E-Mail Address	•	jrbrian@v	erizon net		Conditi	ions of Approv	al:				
	•										
Date:	1/30/2007	Phone:	505-390-6149)	}	-				Attached	

HUNGRY HORSE, LLC

AP# pys

	Mar 1997	Inc			CD Notified:
SITE:	Ram Services Truck Ya	Ird	Assigned Site R	eference:	Cimarex Winningham
Company:		Ram Services, Inc.	·		
Street Addr	ess:				
Mailing Add		P.O. Drawer 1265			
City, State,		Jal, NM			
Representa		Clint Widener			
	tive Telephone:	505-631-8886			
Telephone:					
Fluid Volum	ne Released (bbl): ~			~ 0	
		•	within 24 hours and submi		-
		C-141 within 15 days. (Also applies to unauthoriz		>50 mcf Natural Gas).
	or Pit (LSP) Name:		Ram Services T	ruck Yard	
	contamination:		Vacuum Truck		
	r, i.e. BLM, ST, Fee, Oth	ner:	G. Fulfer		
LSP Dimen	sions:		~ 120' X 210'		· · · · · · · · · · · · · · · · · · ·
LSP Area			~ 19100 -ft ²		
	Reference Point (RP):				
Location dis	stance and direction from	n RP:			
Latitude: No			32deg 06.411'		
Longitude:			103deg 11.980		
Elevation a	bove mean sea level (ar	nsl):	3093 feet 94	2.7 meters	<u>S</u>
Distance fro	om North Section Line (f	eet):	660		
	om East Section Line (fe	the second se	980		
	Init Letter and 1/4 1/4:	L	JL- B NW - 1/4	4 of NE -	1/4
Location - S		· · · · · · · · · · · · · · · · · · ·	30		
Location - T			258		
Location - F			37E		
	ter body within 1000' rac		0		
	ter body within 1000' rac		0		
	ater wells within 1000' rate		0		
	ater wells within 1000' ra		0		
	water wells within 1000		0		
	water wells within 1000		0		
	r supply wells within 100		0		
	r supply wells within 100		0		
Depth (feet	from land surface to G				
	of lowest contamination		5		
			~ 170		
	to Ground Water (DG -				
	to Ground Water (DG - 1. Ground Water		Wellhead Protection		3. Distance to Surface Wat
Depth (feet	1. Ground Water	lf <100	Wellhead Protection 0' from water source	, or, <200'	
Depth (feet		lf <100 from pr	Wellhead Protection 0' from water source rivate domestic water	, or, <200'	<200 horizontal feet: 20 points
Depth (feet	1. Ground Water GW <50-feet: 20 points	If <100 from pr 20 points	Wellhead Protection 0' from water source rivate domestic water hts	, or, <200' r source:	<200 horizontal feet: 20 points 200-1000 horizontal feet: 10
Depth (feet	1. Ground Water	lf <100 from pr 20 poin lf >100	Wellhead Protection 0' from water source rivate domestic water nts 0' from water source	, or, <200' r source: , or, >200'	<200 horizontal feet: 20 points
Depth (feet	1. Ground Water GW <50-feet: 20 points	lf <100 from pr 20 poin If >100 from pr points	Wellhead Protection 0' from water source rivate domestic water nts 0' from water source rivate domestic water	, or, <200' r source: , or, >200' r source: 0	<200 horizontal feet: 20 points 200-1000 horizontal feet: 10
Depth (feet	1. Ground Water GW <50-feet: 20 points GW 50 to 100-feet: 10 p GW >100-feet: 0 points	lf <100 from pr 20 poin If >100 from pr points	Wellhead Protection 0' from water source rivate domestic water nts 0' from water source	, or, <200' r source: , or, >200' r source: 0	<200 horizontal feet: 20 points 200-1000 horizontal feet: 10 points
Depth (feet If Depth to (If Depth to (If Depth to (Ground Wa	1. Ground Water GW <50-feet: 20 points GW 50 to 100-feet: 10 p GW >100-feet: 0 points	points If <100 from pr 20 point If >100 from pr points Wellhe	Wellhead Protection 0' from water source rivate domestic water nts 0' from water source rivate domestic water	, or, <200' r source: , or, >200' r source: 0	<200 horizontal feet: 20 points 200-1000 horizontal feet: 10 points >1000 horizontal feet: 0 points
Depth (feet If Depth to (If Depth to (If Depth to (Ground Wa	1. Ground Water GW <50-feet: 20 points	points If <100 from pr 20 point If >100 from pr points Wellhe	Wellhead Protection 0' from water source rivate domestic water nts 0' from water source rivate domestic water	, or, <200' r source: , or, >200' r source: 0 0	<200 horizontal feet: 20 points 200-1000 horizontal feet: 10 points >1000 horizontal feet: 0 points Surface Water Score: 0
Depth (feet If Depth to (If Depth to (If Depth to (Ground Wa	1. Ground Water GW <50-feet: 20 points	points If <100 from pr 20 point If >100 from pr points Wellhe	Wellhead Protection 0' from water source rivate domestic water nts 0' from water source rivate domestic water ad Protection Score:	, or, <200' r source: , or, >200' r source: 0 0	<200 horizontal feet: 20 points 200-1000 horizontal feet: 10 points >1000 horizontal feet: 0 points Surface Water Score: 0
Depth (feet If Depth to (If Depth to (Ground Wa Site Rankin Parameter	1. Ground Water GW <50-feet: 20 points	points If <100 from pr 20 point If >100 from pr points Wellhe	Wellhead Protection 0' from water source rivate domestic water nts 0' from water source rivate domestic water ad Protection Score: ore and Acceptable (10	, or, <200' r source: , or, >200' r source: 0 0	<200 horizontal feet: 20 points 200-1000 horizontal feet: 10 points >1000 horizontal feet: 0 points Surface Water Score: 0 tions 0
Depth (feet If Depth to (If Depth to (If Depth to (Ground Wa Site Rankin	1. Ground Water GW <50-feet: 20 points	points If <100 from pr 20 point If >100 from pr points Wellhe	Wellhead Protection 0' from water source rivate domestic water nts 0' from water source rivate domestic water ad Protection Score: ore and Acceptable	, or, <200' r source: , or, >200' r source: 0 0	<200 horizontal feet: 20 points 200-1000 horizontal feet: 10 points >1000 horizontal feet: 0 points Surface Water Score: 0



HUNGRY HORSE, LLC

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Cimarex Winningham #9





Drilling BH #4 (10/27/06)

HUNGRY HORSE, LLC

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Boreholes 7, 8 and 9 -completed and plugged with bentonite

BH #1 – completed and plugged with bentonite





Boreholes 1, 2, 3 and 4 – completed and plugged with

HUNGRY HORSE, LLC

Cimarex Winningham #9

Cardinal Laboratories Analytical Reports

(Photocopies attached to printed reports)

HUNGRY HORSE, LLC

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 + 101 E. MARLAND + HOBBS, NM 88240

ANALYTICAL RESULTS FOR HUNGRY HORSE LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/28/06 Reporting Date: 12/04/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9-CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 11/21/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: HM Analyzed By: BC

		GRO	DRO			ETHYL	TOTAL
LAB NO.	SAMPLE ID	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS D	ATE:	11/29/06	11/29/06	12/01/06	12/01/06	12/01/06	12/01/06
H11841-1	BH 10 SURFACE	<10.0	<10.0	<0.005	<0.005	<0.005	< 0.015
H11841-2	BH 10 1' BGS	<10.0	<10.0	<0.005	<0.005	< 0.005	<0.015
H11841-3	BH 10 2' BGS	<10.0	<10.0	<0.005	< 0.005	<0.005	<0.015
H11841-4	BH 10 3' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11841-5	BH 11 SURFACE	<10.0	<10.0	<0.005	< 0.005	<0.005	< 0.015
H11841-6	BH 11 1' BGS	<10.0	<10.0	<0.005	<0.005	< 0.005	< 0.015
H11841-7	BH 11 2' BGS	<10.0	<10.0	<0.005	< 0.005	<0.005	<0.015
H11841-8	BH 11 3' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11841-9	BH 12 SURFACE	<10.0	<10.0	<0.005	< 0.005	< 0.005	<0.015
H11841-10	BH 12 1' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11841-11	BH 12 2' BGS	<10.0	<10.0	<0.005	<0.005	< 0.005	<0.015
H11841-12	BH 12 3' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11841-13	BH 13 SURFACE	<10.0	<10.0	<0.005	< 0.005	< 0.005	<0.015
H11841-14	BH 13 1' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11841-15	BH 13 2' BGS	<10.0	<10.0	<0.005	<0.005	< 0.005	< 0.015
H11841-16	BH 13 3' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
Quality Contr	ol	735	742	0.104	0.102	0.101	0.291
True Value Q	C	800	800	0.100	0.100	0.100	0.300
% Recovery		91.9	92.7	104	102	101	97.0
Relative Perc	ent Difference	2.0	2.6	0.2	0.7	0.5	1.0

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

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ANALYTICAL RESULTS FOR HUNGRY HORSE ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/28/06 Reporting Date: 12/07/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9 - CIMAREX Project Location: LEA COUNTY, NM

Sampling Date: 11/21/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: HM Analyzed By: HM/AB/NF

LAB NUMBER	SAMPLE ID	Na (mg/kg)	Ca (mg/kg)	Mg (mg/kg)	K (mg/kg)	Conductivity (<i>u</i> S/cm)	T-Alkalinity (mgCaCO ₃ /kg)
ANALYSIS DAT	E:	12/06/06	12/06/06	12/06/06	12/06/06	11/29/06	11/30/06
H11841-1	BH 10 SURFACE	<1	128	38.9	24.60	122	368
H11841-2	BH 10 1' BGS	<1	128	38.9	27.3	136	448
H11841-3	BH 10 2' BGS	14	128	0.00	3.68	149	320
H11841-4	BH 10 3' BGS	<1	64.1	117	7.40	149	288
Quality Control		NR	48.1	48.6	2.77	1304	NR
True Value QC		NR	50.0	50.0	3.00	1413	NR
% Recovery		NR	96	97	92.0	92	NR
Relative Percen	t Difference	NR	0.0	0.0	8.3	1.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI	SO₄	CO3	HCO ₃	pН
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(s.u.)
ANALYSIS DA	ATE:	12/04/06	12/05/06	11/30/06	11/30/06	11/29/06
H11841-1	BH 10 SURFACE	<16	< 1	0	449	7.93
H11841-2	BH 10 1' BGS	<16	< 1	0	547	8.01
H11841-3	BH 10 2' BGS	<16	34.1	0	390	8.05
H11841-4	BH 10 3' BGS	16	37.0	0	351	8.16
Quality Contro)	510	26.2	NR	952	7.00
True Value Q	0	500	25.0	NR	1000	7.00
% Recovery		102.0	105	NR	95	100
Relative Perce	ent Difference	6.1	7.2	NR	3.1	0
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w.v aqueous extracts.

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12-07-06 Date

Chemist

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ANALYTICAL RESULTS FOR HUNGRY HORSE ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/28/06 Reporting Date: 12/07/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 11/21/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: HM Analyzed By: HM/AB/NF

		Na	Ca	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /kg)

ANALYSIS DA	TE:	12/06/06	12/06/06	12/06/06	12/06/06	11/29/06	11/30/06
H11841-5	BH 11 SURFACE	<1	128	38.9	39.50	133	368
H11841-6	BH 11 1' BGS	4	128	38.9	29.9	137	496
H11841-7	BH 11 2' BGS	<1	128	38.9	5.52	131	304
H11841-8	BH 11 3' BGS	17	128	0.00	33.3	154	384
Quality Control		NR	48.1	48.6	2.77	1304	NR
True Value QC		NR	50.0	50.0	3.00	1413	NR
% Recovery		NR	96	97	92.0	92	NR
Relative Percer	nt Difference	NR	0.0	0.0	8.3	1.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		Cl [—] (mg/k g)	SO₄ (mg/kg)	CO ₃ (mg/kg)	HCO ₃ (mg/kg)	рН (s.u.)
ANALYSIS DA	ATE:	12/04/06	12/05/06	11/30/06	11/30/06	11/29/06
H11841-5	BH 11 SURFACE	<16	< 1	0	449	8.16
H11841-6	BH 11 1' BGS	<16	30.9	0	605	8.05
H11841-7	BH 11 2' BGS	<16	11.9	0	371	8.12
H11841-8	BH 11 3' BGS	<16	16.2	0	468	8.15
Quality Contro)	510	26.2	NR	952	7.00
True Value Q0	C	500	25.0	NR	1000	7.00
% Recovery		102.0	105	NR	95	100
Relative Perce	ent Difference	6.1	7.2	NR	3.1	0
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

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<u>12-07-06</u> Date

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ANALYTICAL RESULTS FOR HUNGRY HORSE ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/28/06 Reporting Date: 12/07/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 11/21/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: HM Analyzed By: HM/AB/NF

LAB NUMBER	SAMPLE ID	Na (mg/kg)	Ca (mg/kg)	Mg (mg/kg)	K (mg/kg)	Conductivity (<i>u</i> S/cm)	T-Alkalinity (mgCaCO ₃ /kg)
ANALYSIS DAT	Ē:	12/06/06	12/06/06	12/06/06	12/06/06	11/29/06	11/30/06
H11841-9	BH 12 SURFACE	<1	128	38.9	27.8	134	416
H11841-10	BH 12 1' BGS	<1	192	38.9	11.0	176	432
H11841-11	BH 12 2' BGS	41	128	0.00	2.96	154	352
H11841-12	BH 12 3' BGS	<1	64.1	77.8	16.2	158	384
Quality Control		NR	48.1	48.6	2.77	1304	NR
True Value QC		NR	50.0	50.0	3.00	1413	NR
% Recovery		NR	96	97	92.0	92	NR
Relative Percen	t Difference	NR	0.0	0.0	8.3	1.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		Cl [—] (mg/kg)	SO₄ (mg/kg)	CO ₃ (mg/kg)	HCO ₃ (mg/kg)	рН (s.u.)
ANALYSIS DA	TE:	12/04/06	12/05/06	11/30/06	11/30/06	11/29/06
H11841-9	BH 12 SURFACE	<16	< 1	0	508	8.08
H11841-10	BH 12 1' BGS	<16	88.2	0	527	8.09
H11841-11	BH 12 2' BGS	32	16.2	0	429	8.12
H11841-12	BH 12 3' BGS	16	14	0	468	8.14
Quality Contro	1	510	26.2	NR	952	7.00
True Value QC	>	500	25.0	NR	1000	7.00
% Recovery		102.0	105	NR	95	100
Relative Perce	ent Difference	6.1	7.2	NR	3.1	0
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

12-07-06 Date

PLEASE NOTE Liability and Damages. Cardinal's lability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by client for analyses All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service tites that the shall Cardinal be liable for incidental or consequential danages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates of successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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ANALYTICAL RESULTS FOR HUNGRY HORSE ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/28/06 Reporting Date: 12/07/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 11/21/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: HM Analyzed By: HM/AB/NF

	Na	Ca	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER SAMPLE ID	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /kg)

ANALYSIS DA	ITE:	12/06/06	12/06/06	12/06/06	12/06/06	11/29/06	11/30/06
H11841-13	BH 13 SURFACE	<1	128	77.8	57.30	171	496
H11841-14	BH 13 1' BGS	248	128	77.8	7.92	295	704
H11841-15	BH 13 2' BGS	170	192	0.00	14.5	326	384
H11841-16	BH 13 3' BGS	5	257	77.8	17.7	504	240
Quality Contro	1	NR	48.1	48.6	2.77	1304	NR
True Value QC	>	NR	50.0	50.0	3.00	1413	NR
% Recovery		NR	96	97	92.0	92	NR
Relative Perce	ent Difference	NR	0.0	0.0	8.3	1.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

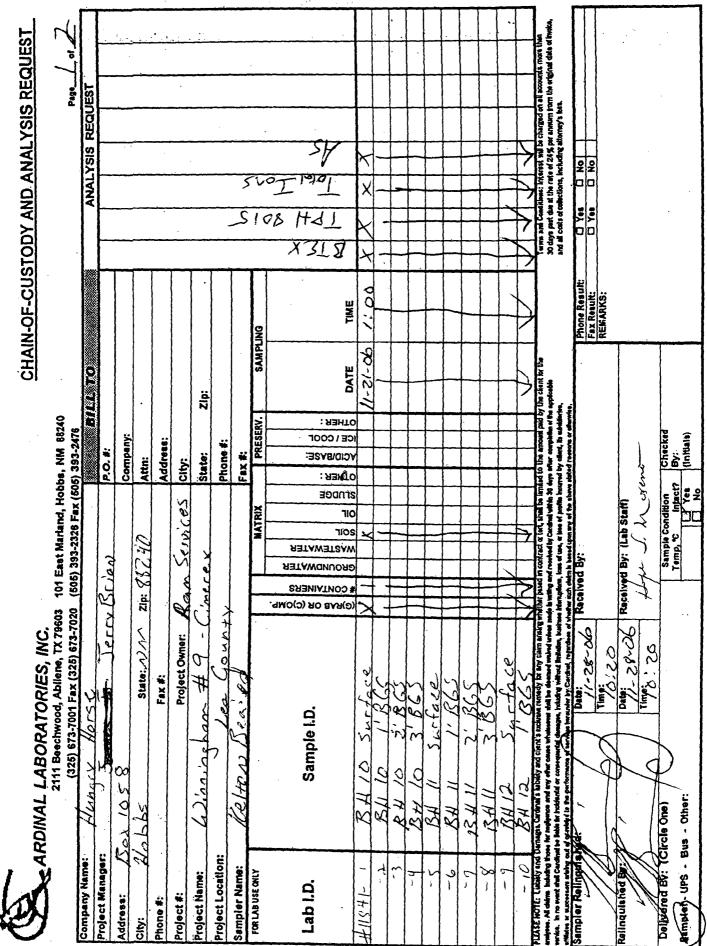
	ୋ	SO4	CO3	HCO3	pН
	(mg/kg)	(m g /kg)	(mg/kg)	(mg/kg)	(s.u.)
ANALYSIS DATE:	12/04/06	12/05/06	11/30/06	11/30/06	11/29/06
H11841-13 BH 13 SURFA	E 48	< 1	0	605	7.90
H11841-14 BH 13 1' BGS	128	292	0	859	8.21
H11841-15 BH 13 2' BGS	176	228	0	468	8.19
H11841-16 BH 13 3' BGS	368	228	0	293	8.09
Quality Control	510	26.2	NR	952	7.00
True Value QC	500	25.0	NR	1000	7.00
% Recovery	102.0	105	NR	95	100
Relative Percent Difference	· 6.1	7.2	NR	3.1	0
METHODS:	SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

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12-07-06 Date

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AL LABORATO 2111 Benchwood, 2111 Benchwood, 2111 Benchwood, 2111 Benchwood, 2111 Benchwood, 2112 2, 80, 212 2,	RIES, INC. Ablieme, TX 79603 101 East Martand, Hobba, NM 88240 Fax (326) 673-7020 (606) 393-2326 Fax (606) 393-2376	1	Tarrian P.O.M.		State: N/N Zip: 867 40 Attn:		towner: Ram Srunces	rex	Phone #:	Fax #:	LESERY. SAMPLING	LP H 80 BT BT CONTAINERS CONTAINERS CONTAINERS CONTAINERS CONTAINERS CONTAINERS CONTAINERS CONTAINERS CONTAINERS CONTAINERS	55 XI X X X X X X X X							reservences of the second poly the second poly the second poly of second of the second poly of second of the second of the second of the second poly of second of the second poly of second poly of second poly of the second poly o	ata: //- こ名・つん Raceived By: Fax Result: ロ Yes ロ No Fine:	2 0 29-06 Received By: (Lab Staff) 20	
	ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79603 101 East Mar (325) 673-7001 Fax (325) 673-7020 (505) 333-233	Horse	Tarri Ri	8	State: N/N Zip: 86	Fax #:	towner: Ram	inchan # 9 - Cimerex	Lee County	Sea. ed		(G)RAB OR (C)OMP. # CONTAINERS & CONTAINERS # CONTAINERS	2' 865 X1	12 21	1 13 Suctore	13 2,865	51		11155 MOTE – Abbitut And Damasee Centerul & Abbitus and Eliserit & assistant Annador for Antur Abbitus And Abbi	מישה כי שרטוויו עובר בוודריה מהכאמות ורווויטין על פוץ כונות מוצאוייץ שרצוגון לאורבו חל הכוורבו של היה מיול מיום שליור כונורה אילווויטיוני ולאו לא לאימועל אינויע ורוויטים והאלי אוווויע מוכל הכוורעים של אינויער הולטרועל פי הכוורעימונים לאינויניטין ואינועני אילאעל לאוווויניטי, עובויאים לאווויניטי, ואינו אינו עובי אינויער	2	Date: 20 Date: 29-05	

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: J. BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/01/06 Reporting Date: 11/08/06 Project Owner: RAM SERVICES Project Name: W. #9-CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/31/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS	DATE:	11/08/06	11/08/06	11/07/06	11/07/06	11/07/06	11/07/06
H11745-1	BH #5 - 1' BGS	<10.0	<10.0	<0.005	<0.005	< 0.005	<0.015
H11745-2	BH #5 - 2' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11745-3	BH #5 - 3' BGS	<10.0	<10.0	<0.005	<0.005	< 0.005	<0.015
H11745-4	BH #6 - 1' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11745-5	BH #6 - 2' BGS	<10.0	<10.0	<0.005	<0.005	< 0.005	<0.015
H11745-6	BH #6 - 3' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
Quality Cor	ntroi	776	780	0.102	0.101	0.103	0.297
True Value	QC	800	800	0.100	0.100	0.100	0.300
% Recover	У	97.0	97.5	102.0	101	103	99.0
Relative Pe	ercent Difference	2.7	4.8	2.8	2.7	2.8	1.3

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

Coohi Cook

11/6/04

Date

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/01/06 Reporting Date: 11/10/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/31/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: AB/LB/NF/HM

		Na	Ca	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	11/07/06	11/06/06	11/06/06	11/07/06	11/03/06	11/06/06
H11745-1	B.H. 5 1' BGS	0	128	78	36.4	1320	320
H11745-2	B.H. 5 2' BGS	34	128	78	25.2	1276	320
H11745-3	B.H. 5 3' BGS	0	192	78	18.4	1592	160
Quality Contr	ol	NR	48.1	48.6	1.79	1424	NR
True Value C	2C	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	90	101	NR
Relative Perc	cent Difference	NR	0.0	0.0	4.6	0.4	NR
METHODS:		SM:	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI	SO4	CO3	HCO ₃	рН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS D	ATE:	11/04/06	11/04/06	11/06/06	11/06/06	11/03/06
H11745-1	B.H. 5 1' BGS	48	280	0	390	7.85
H11745-2	B.H. 5 2' BGS	64	324	0	390	8.11
H11745-3	B.H. 5 3' BGS	178	239	0	195	8.43
Quality Control	ol	510	25.8	NR	976	7.08
True Value Q	C	500	25.0	NR	1000	7.00
% Recovery		102	103	NR	97.6	101
Relative Perc	ent Difference	2.0	2.3	NR	0.0	0.7
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

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11-10-06 Date

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/01/06 Reporting Date: 11/10/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/31/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: AB/LB/NF/HM

	Na	Ca	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	11/07/06	11/06/06	11/06/06	11/07/06	11/06/06	11/06/06
H11745-4	B.H. 6 1' BGS	0	257	0	28.4	576	640
H11745-5	B.H.6 2' BGS	0	192	78	24.0	784	480
H11745-6	B.H. 6 3' BGS	46	257	39	30.4	1676	320
Quality Contr	ol	NR	48.1	48.6	1.79	1424	NR
True Value C	C	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	90	101	NR
Relative Perc	ent Difference	NR	0.0	0.0	4.6	0.4	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI	SO4	CO3	HCO ₃	pН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS D	ATE:	11/04/06	11/04/06	11/06/06	11/06/06	11/06/06
H11745-4	B.H. 6 1' BGS	16	0	0	781	7.70
H11745-5	B.H.6 2' BGS	32	102	0	586	7.70
H11745-6	B.H. 6 3' BGS	240	272	0	390	7.82
Quality Contr	ol	510	25.8	NR	976	7.05
True Value C	2C	500	25.0	NR	1000	7.00
% Recovery		102	103	NR	97.6	101
Relative Perc	cent Difference	2.0	2.3	NR	0.0	0.4
METHODS:	ан с наухон на траниција на селото се и и и на селото на траниција на селото на траниција на селото на селото н	SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

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11-10-06



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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/01/06 Reporting Date: 11/10/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM

Sampling Date: 10/31/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: AB/LB/NF/HM

		Na	Ca	Mg	К	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(uS/cm)	(mgCaCO ₃ /Kg)

METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1
Relative Perc	cent Difference	NR	0.0	0.0	4.6	0.4	NR
% Recovery		NR	96.2	97.2	90	101	NR
True Value Q	C	NR	50.0	50.0	2.00	1413	NR
Quality Contr	ol	NR	48.1	48.6	1.79	1424	NR
H11745-9	B.H. 6 10' BGS	0	128	39	59.5	684	320
H11745-8	B.H.6 5' BGS	50	192	39	25.2	1380	320
H11745-7	B.H. 5 5' BGS	94	192	39	14.9	1612	320
ANALYSIS D	ATE:	11/07/06	11/06/06	11/06/06	11/07/06	11/06/06	11/06/06

		CI	SO4	CO_3	HCO ₃	рН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS D	ATE:	11/04/06	11/04/06	11/06/06	11/06/06	11/06/06
H11745-7	B.H. 5 5' BGS	112	371	0	390	7.80
H11745-8	B.H.6 5' BGS	208	162	0	390	7.77
H11745-9	B.H. 6 10' BGS	32	18	0	390	7.86
Quality Contr	ol	510	25.8	NR	976	7.05
True Value Q	C	500	25.0	NR	1000	7.00
% Recovery		102	103	NR	97.6	101
Relative Perc	ent Difference	2.0	2.3	NR	0.0	0.4
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

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11-10-06 Date

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/01/06 Reporting Date: 11/10/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM

Sampling Date: 10/31/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: AB/LB/NF/HM

		Na	Ca	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS DATE:	11/07/06	11/06/06	11/06/06	11/07/06	11/06/06	11/06/06
H11745-10 B.H. 6 15' BGS	31	64	39	17.6	672	320
Quality Control	NR	48.1	48.6	1.79	1424	NR
Quality Control True Value QC	NR	40.1 50.0	40.0 50.0	2.00	1424	NR
% Recovery	NR	96.2	97.2	2.00	101	NR
Relative Percent Difference	NR	0.0	0.0	4.6	0.4	NR
METHODS:	SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

	CI	CI [™] SO4		HCO3	pН
	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS DATE:	11/04/06	11/04/06	11/06/06	11/06/06	11/06/06
H11745-10 B.H. 6 15' BGS	32	43.8	0	390	7.93
Quality Control	510	25.8	NR	976	7.05
True Value QC	500	25.0	NR	1000	7.00
% Recovery	102	103	NR	97.6	101
Relative Percent Difference	2.0	2.3	NR	0.0	0.4
METHODS:	SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

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11-10-06 Date

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, per annum from the original date of involce. es: interest will be charged on all accounts more than 5 Page ANALYSIS REQUESI 30 days part due at the rate of 24% per annum fron and all costs of collections, including attorney's bes. %¥ □ □ 500 CERE AND CONDIN • • • $\overline{\Sigma}$ ﴾ HZL 08 51 ~ > Phone Result: Fax Result: REMARKS: TIME バン **SAM PLING** 10-15-06 DATE DILL TO be imited to the amount paid by the cleant for Zip: (initials) 774 the state and Afte incured by chert, its additation 101 East Mariand, Hobbs, NM 88240 : язнто PRESERV. Checked By: (505) 393-2326 Fax (505) 393-2476 CEICOOL Company: Address: Phone #: P.O. #: State: Fax #: YCID/BYZE: Attn: Servixes letter Temple Condition : ਮਤਮਹੇ o auch chaim is based upon any of the shove SUDDEE OIL MATRIX phed in contract or lort, sha Received,By: (Lab 8 JOS a, bas al un, a ta ZIP: 88240 AATEWATER Received By: ABTAWONUORE Kam CONTAINERS GIRAB OR (C)OMP. 2111 Beechwood, Abilene, TX 79603 (325) 673-7001 Fax (325) 673-7020 or consequential demages, including without timilation, bush 90-1-1 mecky 3 Statesシンへく ARDINAL LABORATORIES, INC. Project Owner: 25.22 Arr V. Cerene dton o Timet Fax #: 186 Date: Date Į 055 ٢ 69 $\tilde{\mathbb{N}}$ 5 S 30 Sample I.D. 1, 2, 2, Ř 3"R1 Ř ĩ and client's exci à ٥ v. 393-3386 C c o <u>cra+</u>12 YLAMBCY ∞ 4 S 501 RH S 222 consort arising out of or related to the S Sampler JUPS - Bus - Other: ŗ Ŧ Delivered By: (Circle One) З, Х, R. 1 3 unice. In no went shell Candhal be liable for Ć Ś M 8 Ser Sampler Relinguished: 2 51-Project Manager: LEASE NOTE: LIADARY and Company Name: و ا ti Matha Intela It 2 Project Location: تم ۱ 1-24-11H 1 8 2 ר ז ሪ ነ ReilnqUished By: ý Sampler Name: FOR LAB USE ONLY Project Name: Lab I.D. Project #: Address: Phone #: CITY

f Cardinal cannot accept verbal changes. Please fax written changes to (325) 673-7020.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: J. BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/01/06 Reporting Date: 11/08/06 Project Owner: RAM SERVICES Project Name: W. #9-CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/31/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: BC

LAB NO. SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:	11/08/06	11/08/06	11/07/06	11/07/06	11/07/06	11/07/06
H11746-1 BH #7 - 1' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11746-2 BH #7 - 2' BGS	<10.0	<10.0	<0.005	<0.005	< 0.005	<0.015
H11746-3 BH #7 - 3' BGS	<10.0	<10.0	< 0.005	<0.005	<0.005	<0.015
H11746-4 BH #8 - 1' BGS	<10.0	<10.0	< 0.005	<0.005	<0.005	<0.015
H11746-5 BH #8 - 2' BGS	<10.0	<10.0	<0.005	<0.005	< 0.005	<0.015
H11746-6 BH #8 - 3' BGS	<10.0	<10.0	< 0.005	<0.005	< 0.005	<0.015
H11746-11 BH #9 - 1' BGS	<10.0	<10.0	<0.005	<0.005	< 0.005	<0.015
H11746-12 BH #9 - 2' BGS	<10.0	<10.0	<0.005	<0.005	< 0.005	<0.015
H11746-13 BH #9 - 3' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
Quality Control	776	780	0.102	0.101	0.103	0.297
True Value QC	800	800	0.100	0.100	0.100	0.300
% Recovery	97.0	97.5	102.0	101	103	99.0
Relative Percent Difference	2.7	4.8	2.8	2.7	2.8	1.3

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/01/06 Reporting Date: 11/10/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/31/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: AB/LB/NF/HM

	N	a C	a M	g K	Conductiv	vity T-Alkalinity
LAB NUMBER SAMPL	E ID (mg	g/Kg) (m	g/Kg) (mʻ	g/Kg) (mg/l	Kg) (<i>u</i> S/cm)) (mgCaCO ₃ /Kg)

ANALYSIS DATE:		11/07/06	11/06/06	11/06/06	11/07/06	11/06/06	11/06/06
H11746-1	B.H. 7 1' BGS	94	64	39	96.5	832	480
H11746-2	B.H. 7 2' BGS	147	64	39	25.0	848	480
H11746-3	B.H. 7 3' BGS	23	128	39	38.7	1052	320
Quality Contr		NR	48.1	48.6	1.79	1424	NR
True Value QC		NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	90	101	NR
Relative Percent Difference		NR	0.0	0.0	4.6	0.4	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI	SO₄	CO3	HCO3	pН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS D	ATE:	11/04/06	11/04/06	11/06/06	11/06/06	11/06/06
H11746-1	B.H. 7 1' BGS	48	95.7	0	586	8.18
H11746-2	B.H. 7 2' BGS	48	119	0	586	8.05
H11746-3	B.H. 7 3' BGS	128	77.8	0	390	7.74
Quality Contr	ol	510	25.8	NR	976	7.05
True Value QC		500	25.0	NR	1000	7.00
% Recovery		102	103	NR	97.6	101
Relative Percent Difference		2.0	2.3	NR	0.0	0.4
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

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11-13-06 Date

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/01/06 Reporting Date: 11/10/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/31/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: AB/LB/NF/HM

		Na	Ca	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(m g/Kg)	(mg/Kg)	(mg/Kg)	(uS/cm)	(mgCaCO ₃ /Kg)

ANALYSIS DATE:		11/07/08	11/06/06	11/06/06	11/07/06	11/06/06	11/06/06
H11746-4	B.H. 8 1' BGS	58	257	78	26.6	2124	320
H11746-5	B.H. 8 2' BGS	62	257	39	13.3	1880	320
H11746-6	B.H. 8 3' BGS	33	192	78	23.6	1568	320
Quality Contr	ol	NR	48.1	48.6	1.79	1424	NR
True Value QC		NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	90	101	NR
Relative Percent Difference		NR	0.0	0.0	4.6	0.4	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		Cl (mg/Kg)	SO₄ (mg/Kg)	CO ₃ (mg/Kg)	HCO₃ (mg/Kg)	рН (s.u.)
ANALYSIS D	ATE:	11/04/06	11/04/06	11/06/06	11/06/06	11/06/06
H11746-4	B.H. 8 1' BGS	192	512	0	390	7.70
H11746-5	B.H. 8 2' BGS	256	263	0	390	7.73
H11746-6	B.H. 8 3' BGS	240	236	0	390	7.88
Quality Control		510	25.8	NR	976	7.05
True Value QC		500	25.0	NR	1000	7.00
% Recovery		102	103	NR	97.6	101
Relative Percent Difference		2.0	2.3	NR	0.0	0.4
METHODS:	·	SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

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11-13-06 Date

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/01/06 Reporting Date: 11/10/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/31/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: AB/LB/NF/HM

		Na	Ca	Mg	К	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	11/07/06	11/06/06	11/06/06	11/07/06	11/06/06	11/06/06
H11746-7	B.H. 7 5' BGS	24	192	78	4.3	1420	320
H11746-8	B.H. 7 10' BGS	0	64	78	8.4	736	160
H11746-9	B.H. 8 5' BGS	93	449	117	64.1	3064	320
Quality Contr	ol	NR	48.1	48.6	1.79	1424	NR
True Value C	2C	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	90	101	NR
Relative Perc	cent Difference	NR	0.0	0.0	4.6	0.4	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI ⁻	SO₄	CO3	HCO ₃	ρН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS D	ATE:	11/04/06	11/04/06	11/06/06	11/06/06	11/06/06
H11746-7	B.H. 7 5' BGS	208	236	0	390	7.62
H11746-8	B.H. 7 10' BGS	16	128	0	195	7.84
H11746-9	B.H. 8 5' BGS	240	1182	0	390	7.62
Quality Contr	ol	510	25.8	NR	976	7.05
True Value Q	C	500	25.0	NR	1000	7.00
% Recovery		102	103	NR	97.6	101
Relative Perc	cent Difference	2.0	2.3	NR	0.0	0.4
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

J. M seno

11-13-06 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All clarms, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service in the applicable service in the applicable service in the applicable of the applicable service of the applicable of the applicable service in the applicable of the applicable service in the applicable of th



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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/01/06 Reporting Date: 11/10/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/31/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: AB/LB/NF/HM

		Na	Ca	Mg	К	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(uS/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE	11/07/06	11/06/06	11/06/06	11/07/06	11/06/06	11/06/06
H11746-10	B.H. 8 10' BGS	0	128	78	25.0	720	320
H11746-11	B.H. 9 1' BGS	248	128	117	25.0	1700	960
H11746-12	B.H. 9 2' BGS	522	128	39	14.0	2892	640
Quality Contro	<u></u>	NR	48.1	48.6	1.79	1424	NR
True Value Q	С	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	90	101	NR
Relative Perc	ent Difference	NR	0.0	0.0	4.6	0.4	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI_	SO₄	CO3	HCO₃	рН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS DA	TE:	11/04/06	11/04/06	11/06/06	11/06/06	11/06/06
H11746-10	B.H. 8 10' BGS	32	59.6	0	390	7.87
H11746-11	B.H. 9 1' BGS	128	223	0	1171	8.47
H11746-12	B.H. 9 2' BGS	400	412	0	781	8.29
Quality Contro	I	510	25.8	NR	976	7.05
True Value QC	<u>}</u>	500	25.0	NR	1000	7.00
% Recovery		102	103	NR	97.6	101
Relative Perce	ent Difference	2.0	2.3	NR	0.0	0.4
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Samples H11746-11 & H11746-12 had color matrix interference. SO4, HCO3 and T alk. results should therefore be considered an approximation.

"M. Sent Chemist

11-13-06 Date

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 11/01/06 Reporting Date: 11/10/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/31/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: NF Analyzed By: AB/LB/NF/HM

	Na	Ca	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS DATE:	11/07/06	11/06/06	11/06/06	11/07/06	11/06/06	11/06/06
H11746-13 B.H. 9 3' BGS	499	128	39	14.4	3220	320
H11746-14 B.H. 9 5' BGS	7	128	39	23.2	612	480
Quality Control	NR	48.1	48.6	1.79	1424	NR
True Value QC	NR	50.0	50.0	2.00	1413	NR
% Recovery	NR	96.2	97.2	90	101	NR
Relative Percent Difference	NR	0.0	0.0	4.6	0.4	NR
METHODS:	SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

	ପ⊺ ୫		SO ₄ CO ₃	HCO3	pН
	(mg/Kg)	(mg/Kg)	(mg /Kg)	(mg/Kg)	(s.u.)
ANALYSIS DATE:	11/04/06	11/04/06	11/06/06	11/06/06	11/06/06
H11746-13 B.H. 9 3' BGS	624	369	0	390	7.97
H11746-14 B.H. 9 5' BGS	16	22.6	0	586	7.92
Quality Control	510	25.8	NR	976	7.05
True Value QC	500	25.0	NR	1000	7.00
% Recovery	102	103	NR	97.6	101
Relative Percent Difference	2.0	2.3	NR	0.0	0.4
METHODS:	SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Am

11-13-06 Date

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Terms and Consident: Inferent will be charged on all accounts more than 30 days part due at the rate of 24% per annum trum the original date of involue, and all costs of collections, including altomot's less. CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 5 Page ANALYSIS REQUESI 22 00 SVQ :•\ | S $\boldsymbol{\chi}$ 7 08 91 -Hdl 5,00 Phone Result: Fax Result: REMARKS: TIME **SAM PLING** 0-31-00 be lended to the amount paid by the client for the DATE BILL TO Checked By: (Initiale) M.A. Zlp: clert, la chidach -----101 East Marland, Hobbs, NM 88240 PRESERV. : ABHTO (505) 393-2326 Fax (505) 393-2476 1000/30 Company: Address: Phone #: P.O. #: SARASE: State: Fax #: Attn: i kijo under by Candinel, regardness af inhether auch diefte is besed upon any ef the above alots : NEHLO Sample Condition Temp, & Intact? SUDGE Services MATRIX 710 pused in contract or lart, shall ione, ione of une, or here of TIOS ZIP: 882 40 Station of the second s ASTEWATER Received By: 1 Received By ROUNDWATER Res S SABNIATNOD # print de la contra initiality, burness interno whether GMO(2) AO 8AA(2) (325) 673-7001 Fax (325) 673-7020 2111 Beechwood, Abliene, TX 79603 - Cimerex Duny: 1-06 1-1-06 State: JJJ ARDINAL LABORATORIES, INC. DT ANY CLART ALS Project Owner: 00,00 Time: 00 404 Fax #: r, an Time: Эчс Ц 50 brsc $\tilde{\mathcal{N}}$ GS GΣ С с С 865 Ī ŋ 62 ي Sample I.D. 3 10' 8 3 Ś \propto S'RI $B \cdot H \cdot g \cdot \lambda^{2} B$ Ϋ́ R C 1 ٢ M 4-5 (Vat 3386 Junary Jercy 100 ٢ ٢ 3 ΰ ∿ Mate e aucrean stiling of a rutat to the parts Sampler Rollinguilie Aedt: V sampler - OPS - Bus - Other: 0 B. 1 B, H R.H ЗH Defivered By: (Circle One) كططت 1 M e Ś S Sed a ر es. Ni deims Induding these Project Manager: 5 63 Project Location: 3 7 LEASE NOTE: Liablely and mice. In no west that Cards Company Name: بر ار い 300 9 5 σ Relinquished By: HILLAN Sampler Name: FOR LAB USE ONLY Project Name: ١) Lab I.D. Address: Project #: Phone #: city:

f Cardinal cannot accept verbal changes. Please fax written changes to (325) 673-7020.

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Project Manager:			P.O. #:			
Address: Sc			Company:			
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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: J. BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/30/06 Reporting Date: 11/07/06 Project Owner: RAM SERVICES Project Name: W. #9-CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/27/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS	DATE:	11/02/06	11/02/06	11/06/06	11/06/06	11/06/06	11/06/06
H11732-1	BH #3 - 1' BGS	<10.0	65.5	<0.005	0.009	<0.005	0.026
H11732-2	BH #3 - 2' BGS	<10.0	<10.0	<0.005	<0.005	< 0.005	< 0.015
H11732-3	BH #3 - 3' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
Quality Cor	ntrol	773	796	0.099	0.098	0.101	0.293
True Value	QC	800	800	0.100	0.100	0.100	0.300
% Recover	у	96.6	99.5	99.4	98.2	101	97.7
Relative Pe	ercent Difference	3.0	0.4	2.9	2.8	2.9	1.3

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

sel.

17,06 Date

H11732A

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Receiving Date: 10/30/06 Reporting Date: 11/09/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/27/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: LB/NF

		Na	Ca	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(uS/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	11/02/06	11/02/06	11/02/06	11/01/06	10/31/06	11/02/06
H11732-1	BH #3 - 1' BGS	11503	3848	0	180	51120	320
H11732-2	BH #3 - 2' BGS	3777	641	505	158	26840	320
H11732-3	BH #3 - 3' BGS	2208	641	155	118	15960	320
Quality Contr	ol	NR	48.1	48.6	1.71	1436	NR
True Value C	2C	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	86	102	NR
Relative Perc	cent Difference	NR	0.0	0.0	15.0	2.0	NR
METHODS:		SM	3500-Ca-D 3	3500-Mg E	8049	120.1	310.1

		Cl	SO₄	CO3	HCO ₃	pН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS D	ATE:	10/31/06	10/31/06	11/02/06	11/02/06	10/31/06
H11732-1	BH #3 - 1' BGS	19194	7204	0	390	7.62
H11732-2	BH #3 - 2' BGS	7358	1354	0	390	7.93
H11732-3	BH #3 - 3' BGS	4399	649	0	390	8.21
Quality Contr	ol	520	27.7	NR	976	7.03
True Value C)C	500	25.0	NR	1000	7.00
% Recovery		104	111	NR	97.6	100
Relative Perc	ent Difference	4.0	4.8	NR	0.0	0.0
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Chernist

il-0-0 Date

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

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Receiving Date: 10/30/06 Reporting Date: 11/09/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/27/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: LB/NF

.

LAB NUMBER	SAMPLE ID	Na (mg/Kg)	Ca (mg/Kg)	Mg (mg/Kg)	K (mg/Kg)	Conductivity (<i>u</i> S/cm)	T-Alkalinity (mgCaCO ₃ /Kg)
ANALYSIS DAT	re:	11/02/06	11/02/06	11/02/06	11/01/06	10/31/06	11/02/06
H11732-4	BH #3 - 5' BGS	2252	257	39	73.2	12520	320
H11732-5	BH #3 - 10' BGS	652	192	78	2.88	4268	480
H11732-6	BH #3 - 15' BGS	255	192	0	6.6	1672	480
Quality Control		NR	48.1	48.6	1.71	1436	NR
True Value QC		NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	86	102	NR
Relative Percer	nt Difference	NR	0.0	0.0	15.0	2.0	NR
METHODS:	، <u>المحمد معمد المحمد المحمد المحمد معن المحمد المحمد المحمد المحمد المحمد المحمد المحمد المحمد محمد المحمد الم</u>	SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI	SO4	CO₃	HCO ₃	pН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS D	ATE:	10/31/06	10/31/06	11/02/06	11/02/06	10/31/06
H11732-4	BH #3 - 5' BGS	3599	387	0	390	8.19
H11732-5	BH #3 - 10' BGS	1040	265	0	586	8.15
H11732-6	BH #3 - 15' BGS	160	323	0	586	8.07
Quality Contro	ol	520	27.7	NR	976	7.03
True Value Q	С	500	25.0	NR	1000	7.00
% Recovery	a - 1999 و من من من الله من من من الله من من الله الله و من من الله من من من الله من من الله من من الله من من ا من الله من الله من من الله من من من الله من من الله من من الله من من من الله من من الله من من الله من من الله من	104	111	NR	97.6	100
Relative Perc	ent Difference	4.0	4.8	NR	0.0	0.0
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

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1-10-06 Date

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/30/06 Reporting Date: 11/09/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/27/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: LB/NF

	Na	Ca	Mg	К	Conductivity	T-Alkalinity
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	11/02/06	11/02/06	11/02/06	11/01/06	10/31/06	11/02/06
H11732-7	BH #3 - 20' BGS	152	64.1	78	11.8	1472	320
Quality Contr	ol	NR	48.1	48.6	1.71	1436	NR
True Value Q		NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	86	102	NR
Relative Perc	cent Difference	NR	0.0	0.0	15.0	2.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

	CI	SO₄	CO3	HCO3	pН
	(m g /Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS DATE:	10/31/06	10/31/06	11/02/06	11/02/06	10/31/06
H11732-7 BH #3 - 20' BGS	160	271	0	390	8.19
Quality Control	520	27.7	NR	976	7.03
True Value QC	500	25.0	NR	1000	7.00
% Recovery	104	111	NR	97.6	100
Relative Percent Difference	4.0	4.8	NR	0.0	0.0
METHODS:	SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

11-10-06 Date

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;	(915) 673-7001 Fax (915) 673-7020) 393-23	(505) 393-2326 Fax (505) 393-2476	(505) 39.	3-2476						Page of	1
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LEASE NOTE: Liability and Damages. C relyees. All chains including those for req errice. In no event shall Cardinal be lable	ia dinafa kabihy and chent's cochaive tei Jigance and any other cause whatsoeve I for holdentis or consequential clemeges	idy for any ciain arhing whe had be deemed waked urbe schuling without limitation, bu	helber based in co kes made in writin business interrupti	Hitad or but g and rooth ma, heat of i	t, akad bo limited to f ad by Candinal within use, or loss of profile	to the amount paid by Min 30 days allow con Allo incurred by client,	at paid by the class for the e after completion of the applic d by class, he subsidiantee,	4			Terms and Conditions: Mil 30 days past due at the rate and all costs of collections, it	different interest will be charged on all accounts more fran a at the rate of 24% per arrunt from the original date of hotic schedors, including attorney's feres.	comunities more diverse original data of Inveloe
atterios or successon ariang out of or re Sampler Relinguished:	and to the performance of services have 1 Dates/	urder by Cardinal, regentiess of wheth 1 Received By :	a of whether a	er euch deim is besed upon any of the show a	M upon any of B	te above stated resol	n er obervier. I Phone Regult:		1		dd'i Phone #:	1	
A T	1000 11,000	01					Fax Result: REMARKS:			NO NO	Add'I Fax #:		
Relinquished By:	Date: Time:	Recei		(Lab Staff)	1 da		r						
Delivered By: (Circle One)	(Circle One)	5				ECKED BY: (initials)							
Sampler / UPS - Bus - Other:	Bus - Other:												

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: J. BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/30/06 Reporting Date: 11/07/06 Project Owner: RAM SERVICES Project Name: W. #9-CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/27/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC

		GRO	DRO			ETHYL	TOTAL
LAB NO.	SAMPLE ID	(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	BENZENE	TOLUENE	BENZENE	XYLENES
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS	DATE:	11/02/06	11/02/06	11/06/06	11/06/06	11/06/06	11/06/06
H11734-1	BH #4 - 1' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11734-2	BH #4 - 2' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11734-3	BH #4 - 3' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
Quality Co	ntrol	779	795	0.099	0.098	0.101	0.293
True Value	e QC	800	800	0.100	0.100	0.100	0.300
% Recove	ſy	97.4	99.3	99.4	98.2	101	97.7
Relative P	ercent Difference	2.8	2.1	2.9	2.8	2.9	1.3

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

7/06

H11734A

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/30/06 Reporting Date: 11/09/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/27/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: AB/LB/NF

		Na	Ca	Mg	К	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	11/02/06	11/02/06	11/02/06	11/01/06	10/31/06	11/02/06
H11734-1	BH #4 - 1' BGS	1509	2244	0	78.8	15760	480
H11734-2	BH #4 - 2' BGS	1531	385	0	34	8720	320
H11734-3	BH #4 - 3' BGS	1312	128	78	26.4	7360	480
Quality Contr	ol	NR	48.1	48.6	1.71	1436	NR
True Value C	1C	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	86	102	NR
Relative Perc	cent Difference	NR	0.0	0.0	15.0	2.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

CI	SO4	CO3	HCO ₃	pН
(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)

ANALYSIS DATE:		10/31/06	10/31/06	11/02/06	11/02/06	10/31/06
H11734-1 BH #4 - 1' BGS		2319	5035	0	586	7.59
H11734-2	BH #4 - 2' BGS	2159	935	0	390	7.93
H11734-3	BH #4 - 3' BGS	1839	439	0	586	8.20
Quality Contr	rol	520	27.7	NR	976	7.03
True Value C	QC	500	25.0	NR	1000	7.00
% Recovery		104	111	NR	97.6	100
Relative Perce	cent Difference	4.0	4.8	NR	0.0	0.0
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Marino Chemist

11-10-06

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/30/06 Reporting Date: 11/09/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/27/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: AB/LB/NF

	Na	Ca	Mg	К	Conductivity	T-Alkalinity
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	11/02/06	11/02/06	11/02/06	11/01/06	10/31/06	11/02/06
H11734-4	BH #4 - 5' BGS	1596	1026	0	77.6	12160	320
H11734-5	BH #4 - 10' BGS	703	128	0	20.5	3784	480
H11734-6	BH #4 - 15' BGS	171	64	39	4.92	1500	320
Quality Contr	ol	NR	48.1	48.6	1.71	1436	NR
True Value C	2C	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	86	102	NR
Relative Perc	cent Difference	NR	0.0	0.0	15.0	2.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

CI	SO4	CO3	HCO ₃	pН
(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)

ANALYSIS D	DATE:	10/31/06	10/31/06	11/02/06	11/02/06	10/31/06
H11734-4	BH #4 - 5' BGS	2239	2554	0	390	7.66
H11734-5	BH #4 - 10' BGS	880	149	0	586	8.48
H11734-6	BH #4 - 15' BGS	144	169	0	390	8.13
Quality Contr	ol	520	27.7	NR	976	7.03
True Value C	2C	500	25.0	NR	1000	7.00
% Recovery		104	111	NR	97.6	100
Relative Perc	cent Difference	4.0	4.8	NR	0.0	0.0
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

*më Chemist

11-10-06 Date

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/30/06 Reporting Date: 11/09/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/27/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: AB/LB/NF

LAB NUMBE	R SAMPLE ID	Na (mg/Kg)	Ca (mg/Kg)	Mg (mg/Kg)	K (mg/Kg)	Conductivity (<i>u</i> S/cm)	T-Alkalinity (mgCaCO ₃ /Kg)
ANALYSIS D	ATE:	11/02/06	11/02/06	11/02/06	11/01/06	10/31/06	11/02/06
H11734-7	BH #4 - 20' BGS	157	128	78	6.88	1620	320
H11734-8	BH #4 - 25' BGS	152	128	0	6.08	1292	320
H11734-9	BH #4 - 30' BGS	190	128	39	6.88	1660	320
Quella Conta		ND	40 1	49.6	4 74	4 400	ND

METHODS:	SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1
Relative Percent Difference	NR	0.0	0.0	15.0	2.0	NR
% Recovery	NR	96.2	97.2	86	102	NR
True Value QC	NR	50.0	50.0	2.00	1413	NR
Quality Control	NR	48.1	48.6	1.71	1436	NR

		cī_	CI SO4	CO3	HCO3	рН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS D	ATE:	10/31/06	10/31/06	11/02/06	11/02/06	10/31/06
H11734-7	BH #4 - 20' BGS	224	342	0	390	7.98
H11734-8	BH #4 - 25' BGS	160	108	0	390	8.03
H11734-9	BH #4 - 30' BGS	288	169	0	390	7.99
Quality Contr	0	520	27.7	NR	976	7.03
True Value C	C	500	25.0	NR	1000	7.00
% Recovery		104	111	NR	97.6	100
Relative Perc	ent Difference	4.0	4.8	NR	0.0	0.0
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

amo Chernist

11-10-06 Date

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/30/06 Reporting Date: 11/09/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM

Sampling Date: 10/27/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: LB/NF

		Na	Ca	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	11/02/06	11/02/06	11/02/06	11/01/06	10/31/06	11/02/06
H11734-10	BH #4 - 35' BGS	102	128	78	7.12	1716	320
H11734-11	BH #4 - 40' BGS	146	192	78	12.3	2316	320
H11734-12	BH #4 - 45' BGS	153	128	39	3.08	1404	320
Quality Contro	ol	NR	48.1	48.6	1.71	1436	NR
True Value Q	С	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	86	102	NR
Relative Perc	ent Difference	NR	0.0	0.0	15.0	2.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

CI	SO₄	CO3	HCO3	pН
(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)

ANALYSIS D	ATE:	10/31/06	10/31/06	11/02/06	11/02/06	10/31/06
H11734-10	BH #4 - 35' BGS	304	120	0	390	7.93
H1173411	BH #4 - 40' BGS	416	219	0	390	7.96
H1173412	BH #4 - 45' BGS	208	197	0	390	7.98
Quality Contro	oi	520	27.7	NR	976	7.03
True Value Q	C	500	25.0	NR	1000	7.00
% Recovery		104	111	NR	97.6	100
Relative Perc	ent Difference	4.0	4.8	NR	0.0	0.0
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

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11-10-06 Date

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/30/06 Reporting Date: 11/09/06 Project Owner: RAM SERVICES Project Name: W. #9 - CIMAREX Project Location: LEA COUNTY, NM Sampling Date: 10/27/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: AB/LB/NF

		Na	Ca	Mg	К	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS DA	NTE:	11/02/06	11/02/06	11/02/06	11/01/06	10/31/06	11/02/06
H117 34 -13	BH #4 - 50' BGS	32	64	39	3.64	680	320
Quality Contro		NR	48.1	48.6	1.71	1436	NR
True Value Q0		NR	50.0	50.0	2.00	1413	NR
% Recovery	P	NR	96.2	97.2	86	102	NR
Relative Perce	ent Difference	NR	0.0	0.0	15.0	2.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

	CI	SO4	CO3	HCO ₃	pН
	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS DATE:	10/31/06	10/31/06	11/02/06	11/02/06	10/31/06
H11734-13 BH #4 - 50' BGS	16	50.6	0	390	8.03
Quality Control	520	27.7	NR	976	7.03
True Value QC	500	25.0	NR	1000	7.00
% Recovery	104	111	NR	97.6	100
Relative Percent Difference	4.0	4.8	NR	0.0	0.0
METHODS:	SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Jui Chemist

11-10-06 Date

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ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240 1015/672.7001 Eax (915) 672.7020 (601) 201.202 5.75	ANALYSIS REC	P.O. #	X 1050 Company:	Hee: NMI ZID: 5 Bay (Fax# 391-4585	Owner:	- Cimeret	Cutro Phone #	51.40	MATRIX PRESERV SAMPLING	Contrainers Sampe Containers Sampe	4 - 1 Bbs b 8 8 9 8 9 8 10 10 10	- 3' BDS	-3' BBS V V V V V V V V V				orbed or lot, at a by index to the encurt pair by the direct for the To and received by Cardinal with 30 days after completion of the applicable	out intration, business therruption, boe of use, or loss of profits incurred by dient, its subsidiaries, dies, inspections of windler such dielin is based upon any of the above stated rescent or otherwise.	Date: Received By: (Lab Spath)	e One) (sample Condition CHECKED BY:
2111 Beechwood, Abilen (915) 673-7701 5-24 (91	Company Name: HUNGN 4	ł	Address: 2.0. By 1050	14045	* 393-3386 *	Project #: Pr	me: W.Hq- (Project Location: And Curt	H			117344 BH#4 - 1 B				-2-21 1 - 15'	' ı		unbert	Relinquished By: 0	Delivered Bv: (Circle One)

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† Cardinai cannot accept verbai changes. Please fax written changes to 505-393-2476.

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/25/06 Reporting Date: 10/28/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9 Project Location: LEA COUNTY, NM Sampling Date: 10/23 & 10/24/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: LB Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS	DATE:	10/26/06	10/26/06	10/26/06	10/26/06	10/26/06	10/26/06
H11706-1	BH #1- 1' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11706-2	BH #1- 2' BGS	<10.0	<10.0	<0.005	<0.005	< 0.005	<0.015
H11706-3	BH #1- 3' BGS	<10.0	<10.0	< 0.005	<0.005	< 0.005	<0.015
H11706-4	BH #2- 1' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11706-5	BH #2- 2' BGS	<10.0	<10.0	< 0.005	<0.005	<0.005	<0.015
H11706-6	BH #2- 3' BGS	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
Quality Cor	ntrol	744	751	0.102	0.104	0.106	0.308
True Value		800	800	0.100	0.100	0.100	0.300
% Recover	y	92.9	93.9	102	104	106	103
Relative Pe	ercent Difference	4.4	5.3	2.1	7.1	3.8	3.9

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

Burgess

28,06

Date

H11706A

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/25/06 Reporting Date: 10/31/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9 Project Location: LEA COUNTY, NM Sampling Date: 10/23/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: LB Analyzed By: HM/AB/NF

		Na	Ca	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	10/30/06	10/28/06	10/28/06	10/27/06	10/31/06	10/27/06
H11706-1	BH #1- 1' BGS	200	128	39	56.0	1728	624
H11706-2	BH #1- 2' BGS	368	128	31	28.1	2792	320
H11706-3	BH #1- 3' BGS	474	64	39	27.4	3112	448
Quality Contr	0	NR	48.1	48.6	1.98	1436	NR
True Value C	2C	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	99.0	102	NR
Relative Perc	cent Difference	NR	0.0	0.0	1.0	2.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI	SO₄	CO3	HCO3	pН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS D	ATE:	10/27/06	10/27/06	10/27/06	10/27/06	10/26/06
H11706-1	BH #1- 1' BGS	208	67.4	19.2	722	8.49
H11706-2	BH #1- 2' BGS	480	277	0	390	8.28
H11706-3	BH #1- 3' BGS	640	34.1	19.2	508	8.45
Quality Contr	ol	480	26.7	NR	976	7.03
True Value C	2C	500	25.0	NR	1000	7.00
% Recovery		96.0	107	NR	97.6	100
Relative Perc	cent Difference	4.0	8.2	NR	0.0	0.3
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Chernis

11-01-06 Date

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8049

120.1

310.1

ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/25/06 Reporting Date: 10/31/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9 Project Location: LEA COUNTY, NM

Sampling Date: 10/24/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: LB Analyzed By: HM/AB/NF

		Na	Ca	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	10/30/06	10/28/06	10/28/06	10/27/06	10/31/06	10/27/06
H11706-4	BH #2- 1' BGS	6849	2950	0	32.8	36840	320
H11706-5	BH #2- 2' BGS	4969	577	39	139	26040	320
H11706-6	BH #2- 3' BGS	5666	320	30	187	29000	320
Quality Contr	ol	NR	48.1	48.6	1.98	1436	NR
True Value Q	C	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	99.0	102	NR
Relative Perc	ent Difference	NR	0.0	0.0	1.0	2.0	NR

SM3500-Ca-D 3500-Mg E

METHODS:

		CI	SO₄	CO3	HCO ₃	рН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS DA	ATE:	10/27/06	10/27/06	10/27/06	10/27/06	10/26/06
H11706-4	BH #2- 1' BGS	8480	9640	0	390	7.77
H11706-5	BH #2- 2' BGS	6798	2581	0	390	7.92
H11706-6	BH #2- 3' BGS	8317	1389	0	390	8.15
Quality Contro)	480	26.7	NR	976	7.03
True Value Q0	C	500	25.0	NR	1000	7.00
% Recovery		96.0	107	NR	97.6	100
Relative Perce	ent Difference	4.0	8.2	NR	0.0	0.3
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Morino Chemis

11-01-06 Date

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/25/06 Reporting Date: 10/31/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9 Project Location: LEA COUNTY, NM Sampling Date: 10/23/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: LB Analyzed By: HM/AB/NF

		Na	Ca	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	10/30/06	10/28/06	10/28/06	10/27/06	10/31/06	10/28/06
H11707-1	BH #1- 5' BGS	567	64	39	21.3	3088	544
H11707-2	BH #1- 10' BGS	403	64	39	0	2416	432
H11707-3	BH #1- 15' BGS	378	64	39	0	2356	320
Quality Contr	ol	NR	48.1	48.6	1.98	1436	NR
True Value C	2C	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	99.0	102	NR
Relative Perc	cent Difference	NR	0.0	0.0	1.0	2.0	NR
METHODS:		SM:	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		Cl [—] (mg/Kg)	SO₄ (mg/Kg)	CO ₃ (mg/Kg)	HCO ₃ (mg/Kg)	рН (s.u.)
ANALYSIS D	ATE:	10/28/06	10/28/06	10/28/06	10/28/06	10/26/06
H11707-1	BH #1- 5' BGS	600	184	38.4	586	8.68
H11707-2	BH #1- 10' BGS	320	301	19.2	488	8.59
H11707-3	BH #1- 15' BGS	432	206	19.2	351	8.43
Quality Contro	ol	500	26.4	NR	976	7.03
True Value Q	С	500	25.0	NR	1000	7.00
% Recovery		100.0	106	NR	97.6	100
Relative Perc	ent Difference	4.0	1.1	NR	0.0	0.3
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

11-08-06 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service 11 12000 (shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, attiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/25/06 Reporting Date: 10/31/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9 Project Location: LEA COUNTY, NM Sampling Date: 10/23/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: LB Analyzed By: HM/AB/NF

		Na	Ca	Mg	К	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	10/30/06	10/28/06	10/28/06	10/27/06	10/31/06	10/28/06
H11707-4	BH #1- 20' BGS	281	128	39	4.92	2248	320
H11707-5	BH #1- 25' BGS	311	192	78	5.84	3440	160
H11707-6	BH #1- 30' BGS	328	385	78	8.96	4436	160
Quality Contr	ol	NR	48.1	48.6	1.98	1436	NR
True Value C	2C.	NR	50.0	50.0	2.00.	1413	NR
% Recovery		NR	96.2	97.2	99.0	102	NR
Relative Perc	cent Difference	NR	0	0	1.0	2.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI (mg/Kg)	SO₄ (mg/Kg)	CO ₃ (mg/Kg)	HCO ₃ (mg/Kg)	рН (s.u.)
					· · · · ·	
ANALYSIS DA	ATE:	10/28/06	10/28/06	10/28/06	10/28/06	10/26/06
H11707-4	BH #1- 20' BGS	416	185	19.2	351	8.32
H11707-5	BH #1- 25' BGS	832	146	0	195	7.99
H11707-6	BH #1- 30' BGS	1184	173	0	195	7.87
Quality Contro	1	500	26.4	NR	976	7.03
True Value Q0	5	500	25.0	NR	1000	7.00
% Recovery		100.0	106	NR	97.6	100
Relative Perce	ent Difference	4.0	1.1	NR	0	0.3
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

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11-08-06 Date

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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service 1779 Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiantes, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/25/06 Reporting Date: 10/31/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9 Project Location: LEA COUNTY, NM Sampling Date: 10/23/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: LB Analyzed By: HM/AB/NF

		Na	Ca	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	10/30/06	10/28/06	10/28/06	10/27/06	10/31/06	10/28/06
H11707-7	BH #1- 35' BGS	236	513	155	5.76	5380	160
H11707-8	BH #1- 40' BGS	204	513	194	9.76	5460	320
H11707-9	BH #1- 45' BGS	117	513	155	5.04	4608	320
Quality Contr	ol	NR	48.1	48.6	1.98	1436	NR
True Value Q	2C	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	99.0	102	NR
Relative Perc	cent Difference	NR	0	0	1.0	2.0	NR
METHODS:		SM:	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI	SO₄	CO3	HCO3	pН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS D	ATE:	10/28/06	10/28/06	10/28/06	10/28/06	10/26/06
H11707-7	BH #1- 35' BGS	1440	242	0	195	7.73
H11707-8	BH #1- 40' BGS	1440	182	0	390	7.73
H11707-9	BH #1- 45' BGS	1248	99	0	390	7.70
Quality Contro	ol	500	26.4	NR	976	7.03
True Value Q	C	500	25.0	NR	1000	7.00
% Recovery		100.0	106	NR	97.6	100
Relative Perc	ent Difference	4.0	1.1	NR	0	0.3
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

P. Morino

11-08-06 Date

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/25/06 Reporting Date: 10/31/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9 Project Location: LEA COUNTY, NM Sampling Date: 10/23/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: LB Analyzed By: HM/AB/NF

		Na	Ca	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(uS/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	10/30/06	10/28/06	10/28/06	10/27/06	10/31/06	10/28/06
H11707-10	BH #1- 50' BGS	0	128	78	5.32	1188	320
H11707-11	BH #1- 55' BGS	50	128	39	4.68	1072	320
H11707-12	BH #1- 60' BGS	0	128	39	11.0	832	320
Quality Contro	DI	NR	48.1	48.6	1.98	1436	NR
True Value Q	C	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	99.0	102	NR
Relative Perc	ent Difference	NR	0.0	0.0	1.0	2.0	NR
METHODS:	αμαία τη πρώγη τη τη δεί τη τη προγραφική τη τροβολοπολογιατή τη πορογιατία το πορογιατία το πορογιατία το προπ Το προγραφικό τη προφορία τη προγραφική τη προγραφική τη προσφορία τη προσφορία τη προσφορία τη προσφορία τη πρ	SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI (mg/Kg)	SO ₄ (mg/Kg)	CO ₃ (mg/Kg)	HCO ₃ (mg/Kg)	рН (s.u.)
ANALYSIS DA	TE:	10/28/06	10/28/06	10/28/06	10/28/06	10/26/06
H11707-10	BH #1- 50' BGS	192	56	0	390	8.06
H11707-11	BH #1- 55' BGS	128	92.2	0	390	8.11
H11707-12	BH #1- 60' BGS	64	45	0	390	7.96
Quality Control	·····	500	26.4	NR	976	7.03
True Value QC		500	25.0	NR	1000	7.00
% Recovery		100.0	106	NR	97.6	100
Relative Perce	nt Difference	4.0	1.1	NR	0.0	0.3
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

VAM Chemist

11-08-06 Date

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ARDINAL LABORATORIES, INC. 2111 Beechwood, Abilene, TX 7960 (325) 673-7001 Fax (325) 673-700

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	2111 Beechwood, Abliene, TX 79603 2111 Beechwood, Abliene, TX 79603		101 East Mariand, Hobbs, NM 88240	bs, NM 882	9			·	ŝ	2	
Company Name:	Hurra in Horde	1	(505) 393-2325 Fax (505) 393-2476	(5) 393-2476	SILL TO			ANALYSIS	REQUEST	5	
Project Manager:	41501			P.O. #:							
Address: X	0. Box 1058			Company:						·, -	
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hone #: 39	3-3386 Fax#	1	585	Address:							
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roject Name:	Winningham #9			State:	Zlp:			· · · · · ·			
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9	2111 Beechwood, Abilene, TX 79603 (325) 673-7001 Fax (325) 673-7020	10 (5	101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476	bs, NM 8	38240 176	•						Page 2	, s	3	
Company Name:	Hunger Honde					BILL TO			A	ANALYSIS		REQUEST			
Project Manager:	IT BOL			P.O. #:					-						
Address:	O. Box 1058			Company:	ŝ									 	
clin: Hobbs	State:	ZID: 88344	240	Attn:									<u>.</u>		
Phone #: 393	-3386 Fax# 391-	- 4585		Address:						·					
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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/25/06 Reporting Date: 10/31/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9 Project Location: LEA COUNTY, NM Sampling Date: 10/24/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: LB Analyzed By: HM/AB/NF

		Na	Ca	Mg	к	Conductivity	T-Alkalinity
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	10/30/06	10/28/06	10/28/06	10/27/06	10/31/06	10/28/06
H11708-1	BH #2- 5' BGS	5210	128	39	500	26800	352
H11708-2	BH #2- 10' BGS	1781	128	39	358	10720	384
H11708-3	BH #2- 15' BGS	1331	64	78	106	7676	336
Quality Contr	rol	NR	48.1	48.6	1.98	1436	NR
True Value C	C .	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	99.0	102	NR
Relative Perc	cent Difference	NR	0	0	1.0	2.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI	SO4	CO3	HCO ₃	pН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS D	ATE:	10/28/06	10/28/06	10/28/06	10/28/06	10/26/06
H11708-1	BH #2- 5' BGS	8317	341	28.8	400	8.44
H11708-2	BH #2- 10' BGS	3055	119	76.8	312	8.34
H11708-3	BH #2- 15' BGS	2095	214	19.2	371	8.45
Quality Contr	ol	500	26.4	NR	976	7.03
True Value Q	C	500	25.0	NR	1000	7.00
% Recovery		100.0	106	NR	97.6	100
Relative Perc	ent Difference	4.0	1.1	NR	0	0.3
METHODS:	······································	SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

S. m. Jeno Chemis

11-08-06 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for an elysos. All claims, including those for negigence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. Lift approximation of the applicable is including, including, without limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries, atfiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/25/06 Reporting Date: 10/31/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9 Project Location: LEA COUNTY, NM Sampling Date: 10/24/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: LB Analyzed By: HM/AB/NF

		Na		Mg	K	Conductivity (uS/cm)	
LAB NUMBER	SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(a sicili)	(mgCaCO ₃ /Kg)
ANALYSIS DAT	Ē:	10/30/06	10/28/06	10/28/06	10/27/06	10/31/06	10/28/06
H11708-4	BH #2- 20' BGS	1212	64	39	45.4	6624	352
H11708-5	BH #2- 25' BGS	2643	64	0	5.16	13120	528
H11708-6	BH #2- 30' BGS	2425	64	78	0.52	12600	448
Quality Control		NR	48.1	48.6	1.98	1436	NR
True Value QC		NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	99.0	102	NR
Relative Percen	t Difference	NR	0	0	1.0	2.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI	SO4	CO3	HCO3	pН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS D	ATE:	10/28/06	10/28/06	10/28/06	10/28/06	10/26/06
H11708-4	BH #2- 20' BGS	1775	155	38.4	351	8.53
H11708-5	BH #2- 25' BGS	3599	303	76.8	488	9.09
H11708-6	BH #2- 30' BGS	3487	378	96	351	9.22
Quality Contr	ol	500	26.4	NR	976	7.03
True Value Q	C	500	25.0	NR	1000	7.00
% Recovery		100	106	NR	97.6	100
Relative Perc	ent Difference	4.0	1.1	NR	0	0.3
METHODS:	، است الله الله الله الله الله الله الله الل	SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Morani

//-08-06 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service 14 10 000 001 Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

Receiving Date: 10/25/06 Reporting Date: 10/31/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9 Project Location: LEA COUNTY, NM Sampling Date: 10/24/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: LB Analyzed By: HM/AB/NF

	Na	Ca	Mg	К	Conductivity	T-Alkalinity
LAB NUMBER SA	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(<i>u</i> S/cm)	(mgCaCO ₃ /Kg)

ANALYSIS D	ATE:	10/30/06	10/28/06	10/28/06	10/27/06	10/31/06	10/28/06
H11708-7	BH #2- 35' BGS	3235	64	0	5.16	15760	400
H11708-8	BH #2- 40' BGS	3381	192	0	9.00	17040	320
H11708-9	BH #2- 45' BGS	3118	449	156	20.4	18080	320
Quality Contr	10	NR	48.1	48.6	1.98	1436	NR
True Value C	2C	NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	99.0	102	NR
	cent Difference	NR	0	0	1.0	2.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

		CI	SO4	CO3	HCO3	рН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS D	ATE:	10/28/06	10/28/06	10/28/06	10/28/06	10/26/06
H11708-7	BH #2- 35' BGS	4463	493	19.2	449	8.87
H11708-8	BH #2- 40' BGS	5118	300	19.2	351	8.46
H11708-9	BH #2- 45' BGS	5694	221	0	390	8.05
Quality Contr	ol	500	26.4	NR	976	7.03
True Value C	2C	500	25.0	NR	1000	7.00
% Recovery		100	106	NR	97.6	100
Relative Perc	cent Difference	4.0	1.1	NR	0	0.3
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

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11-08-06 Date

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ANALYTICAL RESULTS FOR HUNGRY HORSE, LLC ATTN: JERRY BRIAN P.O. BOX 1058 HOBBS, NM 88241 FAX TO: (505) 391-4585

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Receiving Date: 10/25/06 Reporting Date: 10/31/06 Project Owner: RAM SERVICES Project Name: WINNINGHAM #9 Project Location: LEA COUNTY, NM Sampling Date: 10/24/06 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: LB Analyzed By: HM/AB/NF

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LAB NUMBER	SAMPLE ID	Na (mg/Kg)	Ca (mg/Kg)	Mg (mg/Kg)	K (mg/Kg)	Conductivity (uS/cm)	T-Alkalinity (mgCaCO ₃ /Kg)
ANALYSIS DAT	E:	10/30/06	10/28/06	10/28/06	10/27/06	10/31/06	10/28/06
H11708-10	BH #2- 50' BGS	34	705	272	8.16	6776	160
H11708-11	BH #2- 55' BGS	52	192	78	9.84	1772	320
H11708-12	BH #2- 60' BGS	0	128	39	3.4	856	320
Quality Control		NR	48.1	48.6	1.98	1436	NR
True Value QC		NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	96.2	97.2	99.0	102	NR
Relative Percen	t Difference	NR	0	0	1.0	2.0	NR
METHODS:		SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1

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		CI	SO4	CO3	HCO3	рН
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(s.u.)
ANALYSIS DA	TE:	10/28/06	10/28/06	10/28/06	10/28/06	10/26/06
H11708-10	BH #2- 50' BGS	1951	55.2	0	195	7.70
H11708-11	BH #2- 55' BGS	368	84.6	0	390	8.08
H11708-12	BH #2- 60' BGS	64	66	0	390	8.28
Quality Control		500	26.4	NR	976	7.03
True Value QC		500	25.0	NR	1000	7.00
% Recovery		100	106	NR	97.6	100
Relative Percer	nt Difference	4.0	1.1	NR	0	0.3
METHODS:		SM4500-CI-B	375.4	310.1	310.1	150.1

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Nmo Chemis

11-08-01 Date

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† Cardinal cannot accept verbal changes. Please fax written changes to (325) 673-7020.

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