1R - 427 - 321

REPORTS

DATE:

2-15-11

1R427-321

EME Jct. N-13

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2010



CLOSURE

RICE OPERATING COMPANY JUNCTION BOX FINAL REPORT

				BOX LOCA	ATION				
SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DI	MENSIONS	- FEET
Eunice-Monument-	1-1-1-12	N	43	205	36E	Lea	Length	Width	Depth
Eumont (EME)	Jct. N-13	N	13	205	205	Lea		Eliminated	
LAND TYPE: E	BLM	STATE X	FEE LAI	NDOWNER			OTHER		
Depth to Grour	ndwater		feet	NMOC	D SITE AS	SESSMENT	RANKING S	CORE:	20
Date Started	11/24	/2010	Date Cor	npleted	11/24/201	<u>0</u> OCD	Witness	nc	>
Soil Excavated	3.0	cubic yar	ds Exc	avation Le	ngth5	Width	h2	Depth	8 feet
Soil Disposed	0	cubic yat	rds Of	fsite Facility		n/a	_ , Location	I	n/a
NAL ANALYTI		SULTS:	Samp	le Date	11/24/20	010	Sample De	pth	8 ft.

TPH and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample	PID (field)	GRO	DRO	Chloride
Location	ppm	mg/kg	mg/kg	mg/kg
SOURCE 8' GRAB	1.7	<10.0	<10.0	16

General Description of Remedial Action: This junction box and line were eliminated

during the pipeline replacement/upgrade program. After the former junction box was

removed, an investigation was conducted using a backhoe to collect soil samples at

regular intervals producing a 5x2x8-ft-deep excavation. Chloride field tests performed

on each sample yielded low concentrations similar to that of the background. Organic vapors were measured using a PID, which also

yielded low concentrations. The deepest sample, 8 ft. BGS was sent to a commercial laboratory for analysis of chloride and TPH,

which confirmed low concentrations. The excavated soil was returned to the excavation to ground surface and contoured to the

surrounding area. On 11/24/2010, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity

at a normal rate.

enclosures: photos, lab results, PID (field) screenings, chloride curve

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		KNG	DALEDGE AND BELIEF.		
			bb Hanis		
SUPERVISOR	Dak Harris	SIGNATURE	UN HUNG	COMPANY	RICE OPERATING COMPANY

SITE SUPERVISOR _	Dak Harris	SIGNATURE	HUNG	COMPANY RICE OPERATING COMPANY
REPORT ASSEMBLED BY	Zach Conder		<u>.</u>	
PROJECT LEADER _	Larry Bruce Baker Jr.	_signature_dany	Bruce Baher Jr.	DATE 2-15-11

СНІ	ORIDE	FIFL	DTESTS

LOCATION	DEPTH	_ma/ka				
background	6"	58				
vertical delineation trench at the junction (source)	4'	177				
	5'	85				
	6'	114				
	7'	90				
	8'	116				

EME Jct. N-13

Unit N, Section 13, T20S, R36E



Site prior to delineation

11/23/2010



Collecting sample



Backfilling site



Seeding site

11/24/2010



Analytical Results For:

Rice Operating Company Bruce Baker 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

11/24/2010	Sampling Date:	11/24/2010
11/30/2010	Sampling Type:	Soil
EME JCT N-13 (20/36)	Sampling Condition:	Cool & Intact
NONE GIVEN	Sample Received By:	Jodi Henson
NOT GIVEN		
	11/30/2010 EME JCT N-13 (20/36) NONE GIVEN	11/30/2010Sampling Type:EME JCT N-13 (20/36)Sampling Condition:NONE GIVENSample Received By:

Sample ID: SOURCE @ 8' (H021394-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/30/2010	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/27/2010	ND	160	80.2	200	13.5	
DRO >C10-C28	<10.0	10.0	11/27/2010	ND	151	75.7	200	0.359	
Surrogate: 1-Chlorooctane	103	% 70-130							
Surrogate: 1-Chlorooctadecane	111	% 70-130							



Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim ansing, whether based in contract or tort, shall be limited to the amount paid by diient for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waver unless made in writing and received by claims, including within thirin (30) cavs after completion of the applicable sorvec. In no event shall Cardinal be liable for incidencial or consenuential damages, including, writing limitation, business interruptions, loss of use, or loss of use, or loss of units incurred by diem, its subsidiaries, affiliates or successors ansing out of or related to the performance or the services hereunder by Cardinal, regardless of writther such dam is based upon any of the above stated reasons or otherwse. Results relate only to the amples indextified above. This remoduled except in full with written approval of Cardinal laborationes.

alex. Secre ال^{مح}دي الرحيم

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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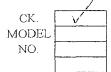
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RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240 PHONE: (505) 393-9174 FAX: (505) 397-1471 PID METER CALIBRATION & FIELD REPORT FORM



MODEL: PGM 7300 SERIAL NO: 590-000508 MODEL: PGM 7300 MODEL: PGM 7320 MODEL: PGM 7300

SERIAL NO: 590-000504 SERIAL NO: 592-903318 SERIAL NO: 590-000183

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE ;

LOT NO: 930137	EXPIRATION DATE: $4105/13$
	METER READING ACCURACY: $i \theta \dot{\theta}$

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
EME	N-13	N	13	20	36

SAMPLE ID	PID	SAMPLE ID	PID
Background @ 6'	8.2		
	8.2		
5	1,6	CODV	
6'	1.7		
7'	1.5		
8'	1.7		
			· · · · · · · · · · · · · · · · · · ·

I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATURE:

DATE: 11/24/10

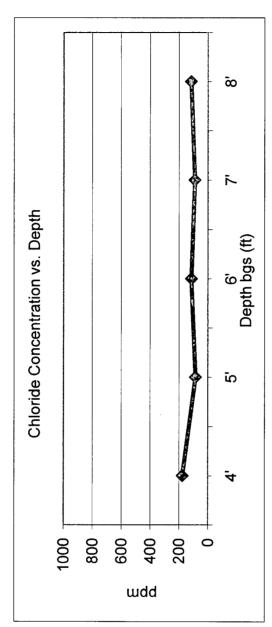
CHLORIDE CONCENTRATION CURVE

RICE Operating Company

EME JCt. N-13 Unit 'N', Sec. 13, T20S, R36E

Backhoe samples at the junction (source)

[©]] ppm 177	85	114	06	116
Depth/bgs (ft) 4'	5'	6'	7'	-8



Groundwater = 29 ft