

1R - 425-71

REPORTS

DATE:

10-15-09

1R425-71

**Vacuum Marathon McAlister EOL
2009**

RECEIVED

APR - 6 2010

Environmental Bureau
Oil Conservation Division

CLOSURE

RECEIVED

APR - 6 2010

Environmental Bureau
Oil ConservationRICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS FEET		
							Length	Width	Depth
Vacuum	Marathon McAister EOL	M	25	17S	34E	Lea	eliminated		

LAND TYPE: BLM _____ STATE X FEE LANDOWNER _____ OTHER _____Depth to Groundwater 95 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10Date Started 9/8/2005 Date Completed 2/9/2009 OCD Witness noSoil Excavated 8.3 cubic yards Excavation Length 5 Width 3 Depth 15 feetSoil Disposed 0 cubic yards Offsite Facility n/a Location n/aFINAL ANALYTICAL RESULTS: Sample Date 2/9/2009 Sample Depth 20 ft, 30 ft

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

CHLORIDE FIELD TESTS

Sample Location	PID (field) ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
SOIL BORING #1 @ 20'	0.0	<10.0	<10.0	352
SOIL BORING #1 @ 30'	0.0	<10.0	31.5	272

LOCATION	DEPTH	mg/kg
vertical delineation trench at the junction (source)	3'	269
	4'	369
	5'	381
	6'	680
	7'	982
	8'	855
	9'	765
	10'	799
	11'	598
	12'	766
	13'	1455
	13'	1654
	14'	1783
SOIL BORING at the junction (2/9/2009)	15'	660
	15'	282
	20'	363
	25'	336
	30'	279

General Description of Remedial Action: This junction was addressed during the Vacuum SWD System abandonment. The former junction box was investigated using a backhoe to collect soil samples at regular intervals. The overall junction box excavation had dimensions of 5x3x15-ft deep. The site could not be excavated any larger due to the location being near a battery and a lease road. Chloride field tests were performed on each sample which yielded elevated concentrations. Organic vapors were measured using a PID which yielded low concentrations. The excavated soil was returned to the excavation and clean, imported soil was used to fill the excavation to ground surface and to contour the site to the surrounding area. On 5/29/2008, the site was seeded with a blend of native vegetation and is expected to return to a productive capacity at a normal rate. To further investigate depth of chloride presence, a soil boring was initiated on 2/9/2009 at the former junction box site. The boring was advanced to 30 ft BGS while soil samples were collected every 5 ft and field tested for chloride and organic vapors. The field tests yielded low concentrations of both. The 20 and 30 ft samples were analyzed by a commercial laboratory for chloride and TPH which confirmed low concentrations. The entire bore hole was plugged with bentonite to the ground surface.

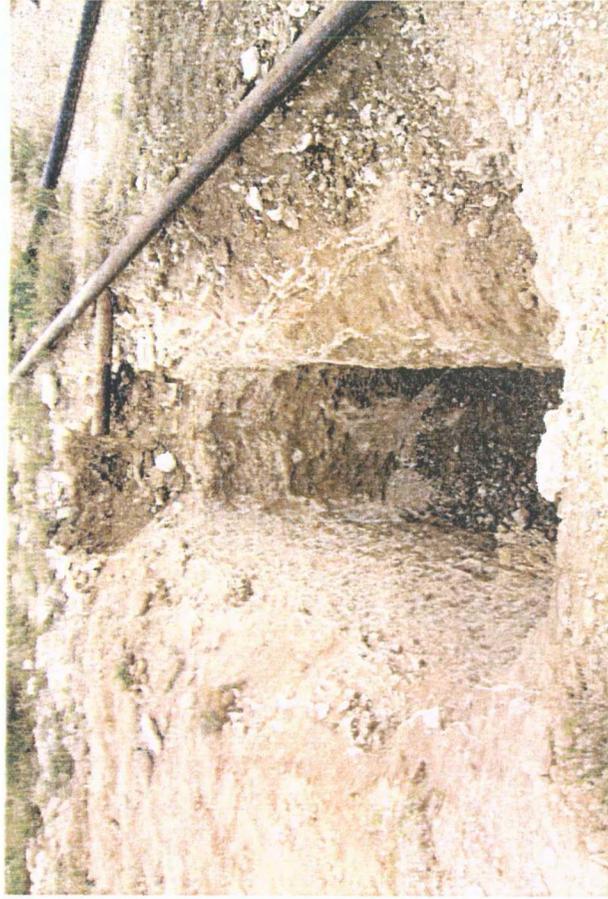
enclosures: photos, lab results, PID (field) screenings, boring log, chloride curve

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANYREPORT ASSEMBLED BY Katie Jones INITIAL KJPROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 10-15-09

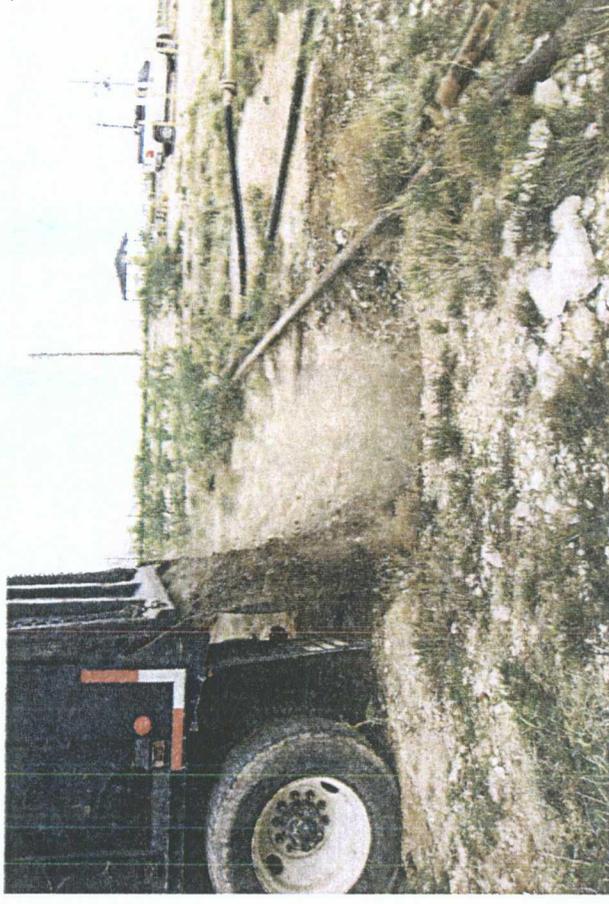
Vacuum Marathon McAlister EOL

Unit M, Section 25, T17S, R34E



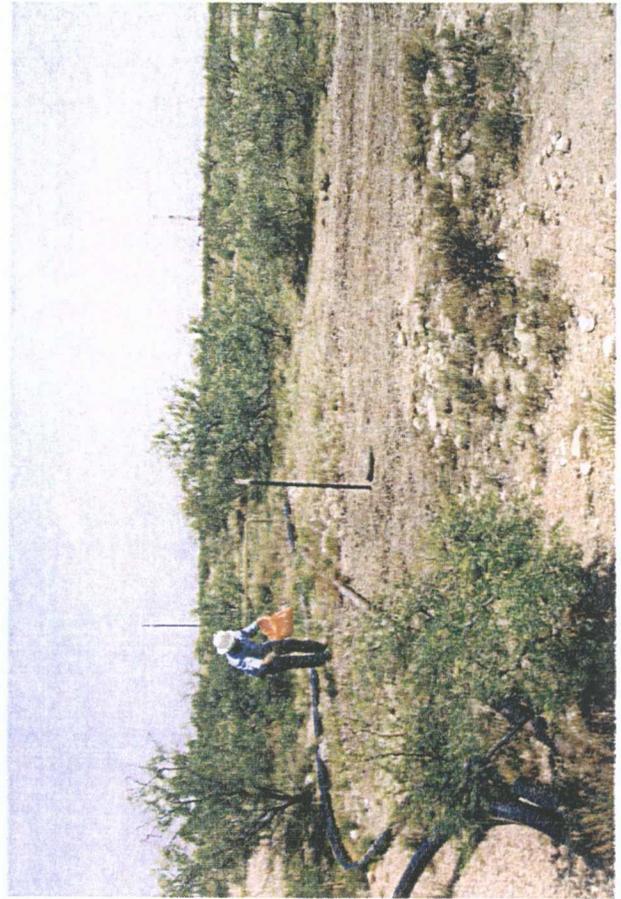
excavation at the former junction box

5/28/2008



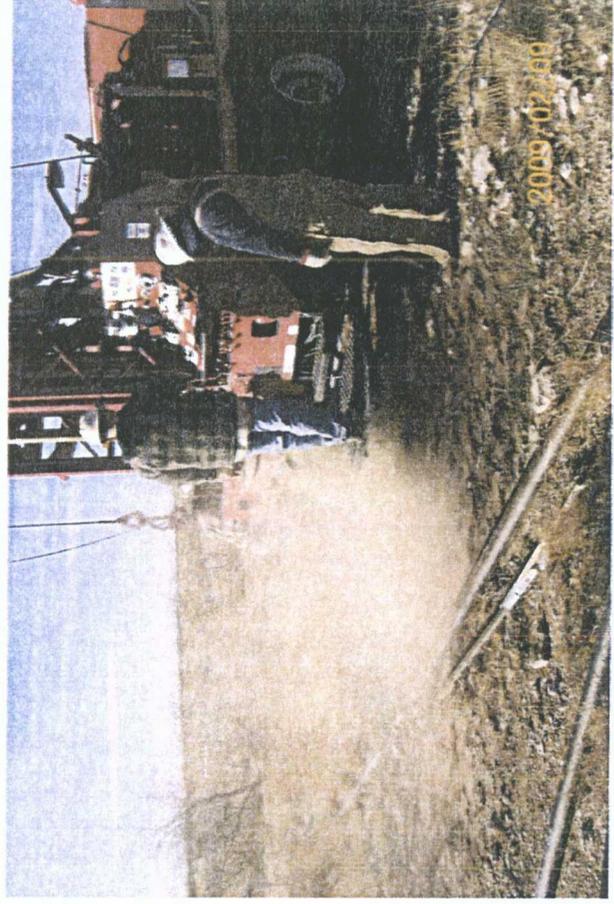
backfilling the excavation

5/28/2008



seeding the backfilled site

5/29/2008



soil boring the former junction box site

2/9/2009



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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MAR 03 2009

RICE OPERATING
HOBBS, NM

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: HACK CONDER
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

COPY

Receiving Date: 02/10/09
Reporting Date: 02/27/09**
Project Owner: NOT GIVEN
Project Name: VACUUM MARATHON McALISTER
Project Location: NOT GIVEN

Sampling Date: 02/09/09
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ZL
Analyzed By: AB/HM

LAB NUMBER SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	CI* (mg/kg)
ANALYSIS DATE	02/10/09	02/10/09	02/10/09
H16863-1 SB #1 @ 20'	<10.0	<10.0	352
H16863-2 SB #2 @ 30'	<10.0	31.5	272
Quality Control	549	562	500
True Value QC	500	500	500
% Recovery	110	112	100
Relative Percent Difference	3.0	7.1	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CIB

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

**Revised Report.

Chemist

02/27/09

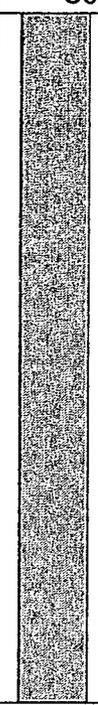
Date

H16863 TCL RICE

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COPY

Logger:	Tony Grieco	Client:	RICE Operating Company	Well ID: SB - 1
Driller:	Harrison & Cooper, Inc. Drilling	Project Name:	Vacuum Marathon McCallister	
Drilling Method:	Air rotary	Location:	Vacuum SWD System	
Start Date:	2-9-09		unit 'M' Sec.25 T17S, R34E	
End Date:	2-9-09		Lea County, NM	
Comments:				
Located: at the center of the former junction box site				
TD = 30 ft GW = 97 ft				

Depth (feet)	chloride field tests	PID	Description	Lithology	Soil Bore Construction
15	282	0			 bentonite seal
			15 - 30 ft		
20	363	0	VERY FINE TO FINE SAND		
Lab Cl-	352		dry		
DRO					
GRO	<10/<10				
25	336	0			
30	279	0			
Lab Cl-	272				
DRO					
GRO	31.5/<10				

RICE OPERATING COMPANY

122 West Taylor ~ Hobbs, NM 88240

PHONE: (575) 396-9174 FAX: (575) 397-4471

PID METER CALIBRATION & FIELD REPORT FORM

CK	<input type="checkbox"/>
MODEL	<input checked="" type="checkbox"/>
NO.	<input type="checkbox"/>
	<input type="checkbox"/>

MODEL: PGM 7300	SERIAL NO: 590-000183
MODEL: PGM 7300	SERIAL NO: 590-000504
MODEL: PGM 7600	SERIAL NO: 110-12383
MODEL: PGM 7600	SERIAL NO: 110-02920

COPY

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO:	EXPIRATION DATE: 9-11-09
FILL DATE:	METER READING ACCURACY: 100.0

ACCURACY: +/- 2%

SYSTEM	SITE	UNIT	SECTION	TOWNSHIP	RANGE
Vacuum	Marsh Hollow Wellbore	M	25	T17S	R34E

SAMPLE ID: SB #1

DEPTH	PID	DEPTH	PID	DEPTH	PID	DEPTH	PID
15'	0						
20'	0						
25'	0						
30'	0						

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

Signature [Signature] Date 2-9-09

SITE MAP

Lot # [] Fill date not available since the gas was provided as part of the new fill meter.



RICE OPERATING COMPANY

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



MODEL NO: PGM 761S SERIAL #104412

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 04-2747	EXPIRATION DATE: 6-1-06
FILL DATE: 2-1-05	METER READING ACCURACY: 100.5

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
VAC	MARATHON McCALISTER EOL	M	25	17S	34E

SAMPLE ID	PID	SAMPLE ID	PID
1'		13'	0
2'			
3'	46		
4'	0.01		
5'	0.01		
6'	0.01		
7'	0.01		
8'	0.01		
9'	0.01		
10'	0.01		
11'	0.01		
12'	0.01		

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

SIGNATURE: *Ray R. Ross*

DATE: 9-8-05

RICE OPERATING COMPANY

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

COPY

MODEL: PGM 7600 SERIAL # 110-013744

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 07-3353	EXPIRATION DATE: 5-16-09
FILL DATE: 11-16-07	METER READING ACCURACY: 100.0

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
VAC	MARATHON McCALISTER EOL	M	25	17S	35E

SAMPLE ID	PID	SAMPLE ID	PID
VERT @ SOURCE @ 13'	0		
14'	0		
15'	0		

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

SIGNATURE:



DATE: 5-22-08

CHLORIDE CONCENTRATION CURVE

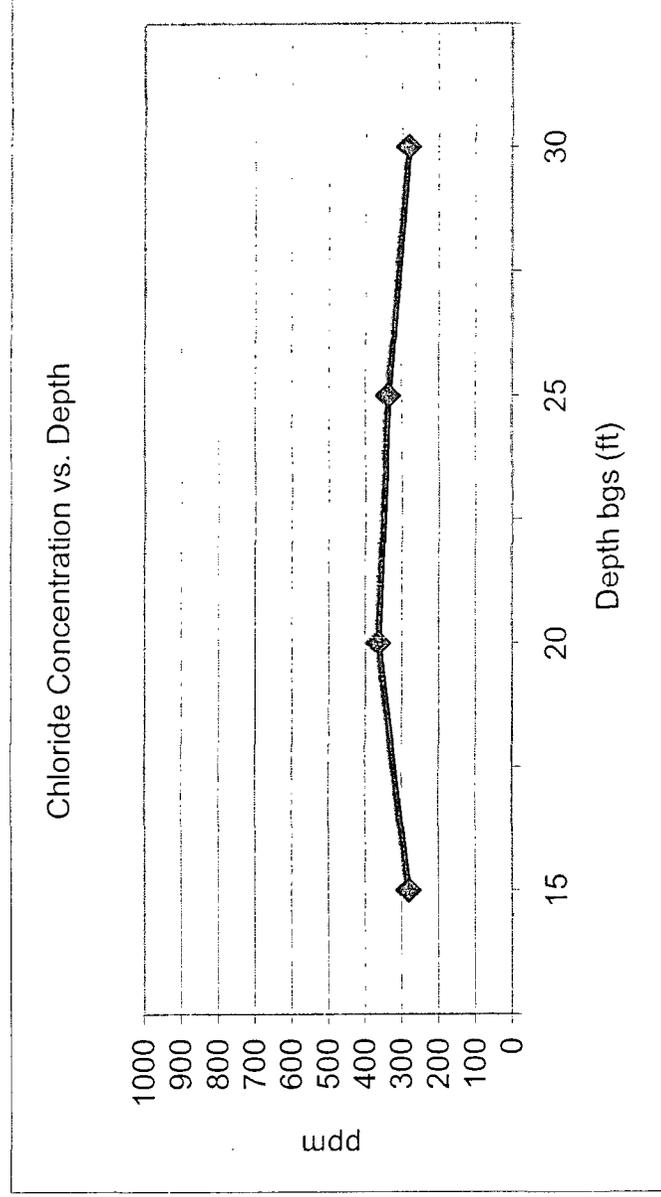
RICE Operating Company

Vacuum Marathon McAleister EOL

Unit 'M', Sec. 25, T17S, R34E

SOIL BORING samples at the junction (source)

Depth bgs (ft)	[Cl] ppm
15	282
20	363
25	336
30	279



Groundwater = 95 ft