

1R - 426-201

# REPORTS

DATE:

2-5-09

BD Apache Grizzel Drinkard EOL

1R426-201

RECEIVED

MAR 25 1984

Environmental Service  
Oil Conservation Division

DISCLOSURE

**RICE OPERATING COMPANY  
JUNCTION BOX DISCLOSURE\* REPORT**

**BOX LOCATION**

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Blinebry-Drinkard (BD)	Apache Grizzell Drinkard eol	J	8	22S	37E	Lea	Length 9'	Width 5'	Depth 4'
							moved 98' southwest		

LAND TYPE: BLM \_\_\_\_\_ STATE \_\_\_\_\_ FEE LANDOWNER Apache Corp. OTHER \_\_\_\_\_

Depth to Groundwater 60 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 6/23/2008 Date Completed 6/30/2008 OCD Witness no

Soil Excavated 89 cubic yards Excavation Length 20 Width 10 Depth 12 feet

Soil Disposed 0 cubic yards Offsite Facility N/A Location N/A

**FINAL ANALYTICAL RESULTS:** Sample Date 6/24/2008 Sample Depth 12 ft.

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. 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	Chlorides mg/kg
4-WALL COMP.	0.0	<10.0	<10.0	432
BOTTOM COMP.	0.3	<10.0	<10.0	1890
BLENDED BACKFILL	0.0	<10.0	<10.0	544

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	446
bottom comp.	12'	1638
blended backfill	n/a	537
background	6"	120
vertical delineation trench at the junction (5' south of source)	1'	122
	2'	153
	3'	242
	4'	268
	5'	433
	6'	381
	7'	613
	8'	515
	9'	449
	10'	224
	11'	439
	12'	919

**General Description of Remedial Action:** This junction box was addressed during the pipeline replacement/upgrade program. A new water tight junction box was built ninety eight feet southwest of former junction box. After the former junction box was removed, an investigation was conducted using a backhoe to collect soil samples at regular intervals. Due to the location of many pipelines and a facility the excavation was stopped at a 20X10X12-ft-deep excavation. Chloride field test were performed on each sample, which yielded some elevated concentrations. Organic vapors were measured using a PID, which yielded low concentrations. Composite samples were sent to a commercial laboratory for analysis of chloride and TPH. The excavated soil was blended on site and backfilled to 5' BGS. Then a 27'X10'X1' clay layer was installed. The remaining blended backfill was returned to the excavation and contoured to the surrounding area. NMOCD was notified of potential groundwater impact on 1/05/09.

**ADDITIONAL EVALUATION IS High PRIORITY**

enclosures: photos, lab results, PID field screening, chloride graph, Clay test, Clay diagram

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 COMPANY

REPORT ASSEMBLED BY Larry Bruce Baker Jr. INITIAL LB

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 2-5-09

\*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

# BD APACHE GRIZZELL DRINKARD EOL

Unit J, Section 8, T22S, R37S



Undisturbed junction box

6/12/08



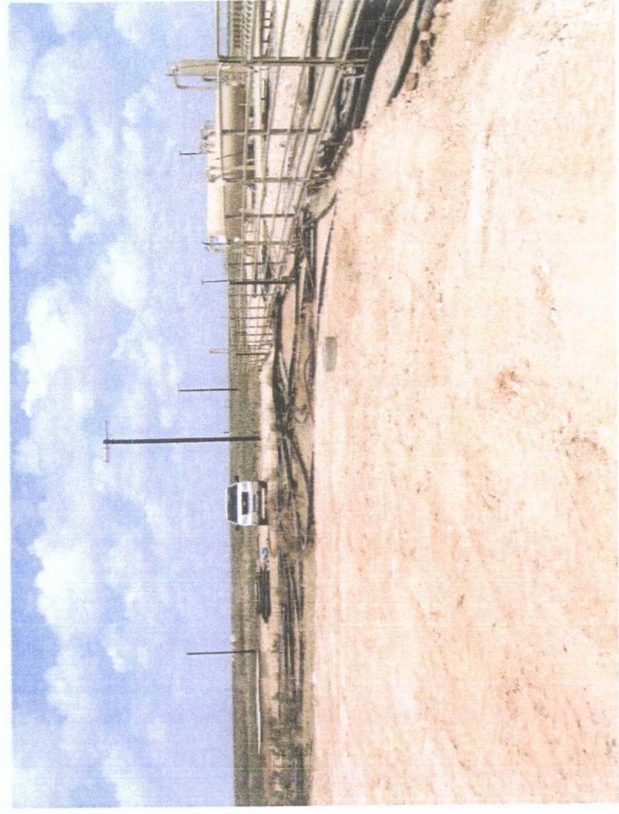
Delineation of former junction box site

6/24/08



Installing clay layer

6/25/08



Site complete

7/01/08



Sampling Date: 06/24/08  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: ML  
Analyzed By: CK/KS/AB

LAB NUMBER	SAMPLE ID	GRO	DRO	Cl*
		(C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	
ANALYSIS DATE		06/26/08	06/26/08	06/25/08
H15054-1	5 PT BTM COMP @ 12' BGS	<10.0	<10.0	1,890
H15054-2	4 WALL COMP @ 20'L X 10'W X 12'D	<10.0	<10.0	432
H15054-3	8 PT BLENDED BACKFILL	<10.0	<10.0	544
Quality Control		429	477	510
True Value QC		500	500	500
% Recovery		85.8	95.4	102
Relative Percent Difference		7.3	2.3	2.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl<sup>-</sup>: Std. Methods 4500-Cl<sup>-</sup>B

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

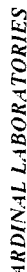
Chemist

Date \_\_\_\_\_

H15054TCL RICE

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. In no event 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, 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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

# 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 7600 SERIAL NO. 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
BD	APACHE GRIZZELL DRINKARD EOL	J	8	22S	37E

SAMPLE ID	PID	SAMPLE ID	PID
FINAL SAMPLES			
5PT BOTTOM COMP @ 12'BGS	0.3		
E WALL COMP 5' E OF SOURCE	0		
N WALL COMP 5' N OF SOURCE	0		
S WALL COMP 15' S OF SOURCE	0.3		
W WALL COMP 5' W OF SOURCE	0		
4 WALL COMP @ 20'L X 10'W X 12'D	0		
BLEND BACKFILL 8PT COMP	0		

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

SIGNATURE:

*Ray R. Rason*

DATE: 6-24-08

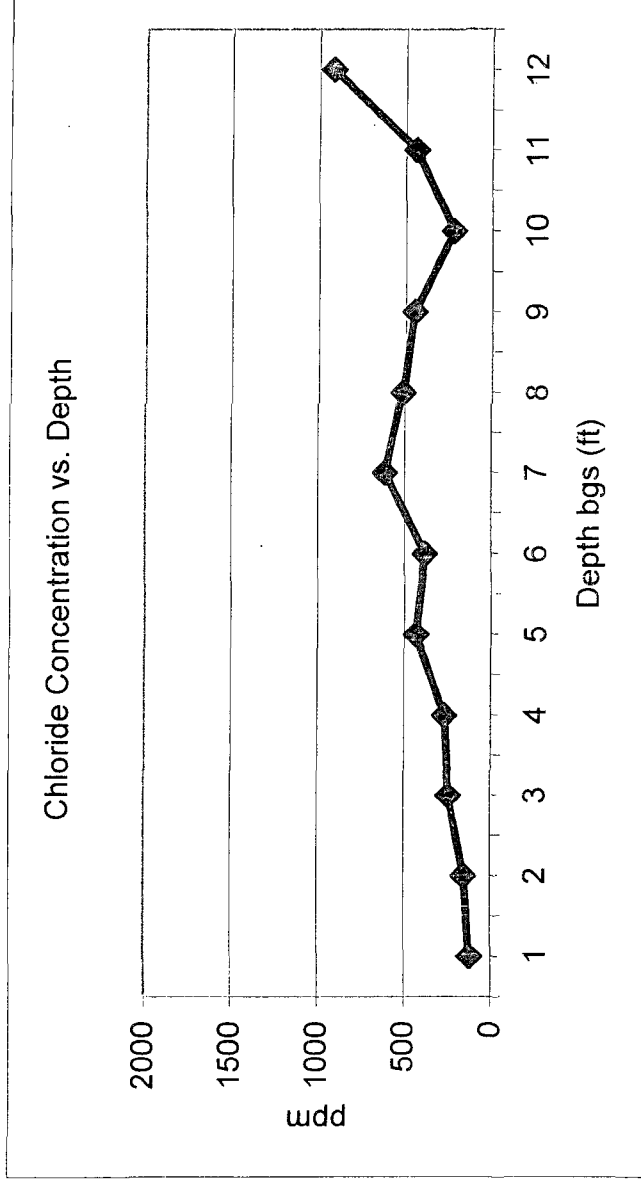
**BD Apache Grizzell Drinkard EOL**

Unit 'J', Sec. 8, T22S, R37E

Backhoe samples at junction (5' south of source)

Depth bgs. (ft)	[Cl <sup>-</sup> ] ppm
1	122
2	153
3	242
4	268
5	433
6	381
7	613
8	515
9	449
10	224
11	439
12	919

Groundwater = 60 (ft.)







LABORATORY TEST REPORT  
**PETTIGREW & ASSOCIATES, P.A.**  
1110 N. GRIMES  
HOBBS, NM 88240  
(505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.  
WILLIAM M. HICKS, III, P.E./P.S.

To: Rice Operating Company  
Attn: Hack Conder  
122 W. Taylor  
Hobbs, NM 88240

Material: Wallach Red Clay

Test Method: ASTM: D 2922

Project: General Information  
BD Apache Grizzel Drinkard Battery EOL  
Project No. 2008.1069

Date of Test: June 30, 2008

Depth: See Below

Depth of Probe: 6"

Test No.	Location	Dry Density		Depth
		% Max	% Moisture	
SG 5	Pit - 10' S. & 10' E. of NW Corner	95.4	21.2	FSG

RECEIVED  
JUL 27 2008  
RICE OPERATING  
HOBBS, NM

Control Density: 102.8  
ASTM: D 698

Optimum Moisture: 22.6%

Required Compaction: 95%

Densometer ID: 815  
PETTIGREW & ASSOCIATES

Lab No.: 08 6155-6156

Copies To: Rice Operating

BY: Erica M. Hart  
BY: Debra P. Hicks P.E.

# Excavation Cross-Section

