

AP - 27

# STAGE 1 & 2 REPORTS

DATE:

12-16-11

# **RICE Operating Company**

122 West Taylor • Hobbs, New Mexico 88240

Phone: (575) 393-9174 • Fax: (575) 397-1471

CERTIFIED MAIL

RETURN RECEIPT NO. 7008 1140 0001 3070 6075

**December 16<sup>th</sup>, 2011**

**Mr. Edward Hansen**

New Mexico Energy, Minerals, & Natural Resources

Oil Conservation Division, Environmental Bureau

1220 S. St. Francis Drive

Santa Fe, New Mexico 87505

**RE: Project Status Report**

**Rice Operating Company – BD SWD System**

**BD E-15 Release (AP-27): UL/D&E sec. 15 T22S R37E**

RECEIVED OGD  
2011 DEC 20 A 11:43

Mr. Hansen:

As part of the Project Status Report submitted to NMOCD on June 17<sup>th</sup>, 2011 and approved by NMOCD on August 22<sup>nd</sup>, 2011, RECS personnel were on site at the BD E-15 Release site on October 25<sup>th</sup>, 2011, to plug and abandon MW-2 and replace it with a 4 inch monitor well (MW-2R). The MW-2 was plugged using a 1 – 3% bentonite/concrete slurry and a 3 foot concrete cap. MW-2R was installed approximately 6 ft south of former MW-2 (Figure 1). Documentation for the plug and abandonment of MW-2 and the installation of MW-2R can be found in Appendix A. MW-2R will be sampled according to NMOCD standards starting in the 1<sup>st</sup> quarter of 2012.

ROC is the service provider (agent) for the BD SWD System and has no ownership of any portion of the pipeline, well, or facility. The system is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

ROC appreciates the opportunity to work with you on this project. Please call Hack Conder or myself at (575) 393-9174 if you have any questions or wish to discuss the site.

Sincerely,

A handwritten signature in black ink, appearing to read 'Katie Jones', with a stylized, cursive script.

Katie Jones  
Environmental Project Manager  
*Rice Operating Company*

Attachments:

Figure 1 – MW-2R installation map

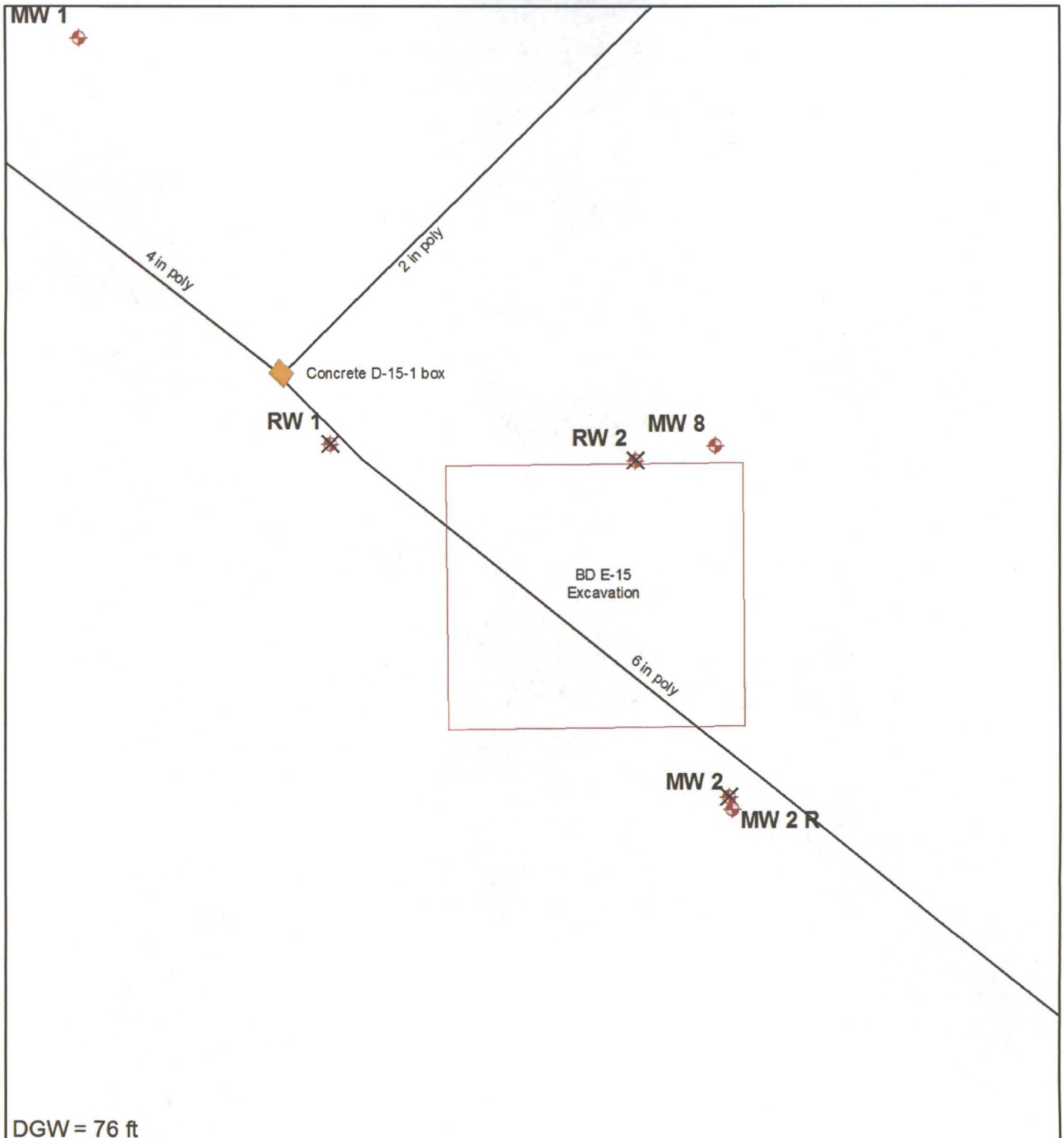
Appendix A – P&A MW-2 and installation of MW-2R



# Figures

**RICE Environmental Consulting and Safety (RECS)**  
P.O. Box 5630 Hobbs, NM 88241  
Phone 575.393.4411 Fax 575.393.0293

# MW-2R installation



DGW = 76 ft

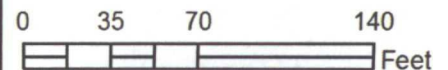


## ***BD E-15 Release***

Legals: UL/E sec. 15  
T22S R37E

Case #: AP-027

### Figure 1



Drawing date: 11-3-11  
Drafted by: L. Weinheimer



# Appendix A

P&A MW-2 and installation of MW-2R

**RICE Environmental Consulting and Safety (RECS)**

P.O. Box 5630 Hobbs, NM 88241  
Phone 575.393.4411 Fax 575.393.0293

# HARRISON & COOPER, INC.

*Drilling & Pump Professionals*

7414 85<sup>th</sup> Street, Lubbock, Texas 79424-4951

P.O. Box 96, Wolfforth, Texas 79382-0096

Ph: (806) 866-4026

Fax: (806) 866-4044

[hcidrill.com](http://hcidrill.com)

## Plugging Report

Client	Rice Operating
Contractor	Harrison & Cooper
Date Completed	10/25/2011
Site	BD E-15 Release
Well ID	MW-2
Casing Diameter	2"
Well Depth	87'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-87'
Cement Interval	0'-3'

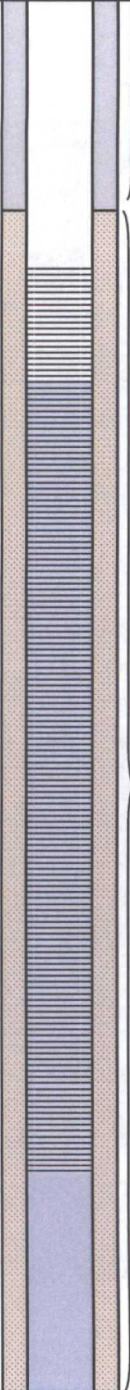
Copies: File

Email (Lara Weinheimer; Katie Jones)

Regulated by: Texas Dept. of Licensing & Regulation, Water Well Division, P.O. Box 12157, Austin, TX 78711, (800) 803-9202

Logger:	Kyle Norman					
Driller:	Harrison & Cooper, Inc.					
Drilling Method:	Mud rotary		Project Name:	Well ID:		
Start Date:	10/25/2011		BD E-15 Release	MW-2R		
End Date:	10/25/2011	Project Consultant: Tetra Tech		Location: UL/E sec. 15 T22S R37E		
Comments: MW-2R is located 6 ft south of the former MW-2. No samples were taken during installation. DRAFTED BY: L. Weinheimer TD = 120 ft      GW = 76 ft			Lat: 32°23'41.944"N	County: Lea		
			Long: 103°9'21.185"W	State: NM		
Depth (feet)	Chloride field tests	LAB	PID	Description	Lithology	Well Construction
SS						4 in PVC
5 ft						
10 ft						
15 ft						
20 ft						
25 ft						
30 ft						
35 ft						
40 ft						
45 ft						
50 ft						
55 ft						



Depth (feet)	Chloride field tests	LAB	PID	Description	Lithology	Well Construction
60 ft						 <p>sand pack</p>
65 ft						
70 ft						
75 ft						
80 ft						
85 ft						
90 ft						
95 ft						
100 ft						
105 ft						
110 ft						
115 ft						
120 ft						

BD E-15 Release  
Unit E, Section 15, T-22-S, R-37-E



Pulling MW-2, facing south

10/25/11



Plugging MW-2 with a 1 – 3% bentonite/concrete slurry

10/25/11



Completed MW-2 P & A, facing south

10/25/11



Drilling MW-2R, facing west

10/25/11



Mudding in MW-2R, facing west

10/25/11



Installing the casing, facing west

10/25/11





Inserting the sand pack 10/25/11



Inserting the bentonite seal 10/25/11



Concreting in MW-2R, facing west 10/25/11



Completed MW-2R, facing west 10/25/11