

1R - 415

Plugging
REPORTS

DATE:

3-25-10

RICE Operating Company

122 West Taylor • Hobbs, New Mexico 88240

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

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2010 MAR 31 A 11: 28

CERTIFIED MAIL

RETURN RECEIPT NO. 7008 1140 0001 3072 4529

March 25, 2009

Mr. Ed Hansen

New Mexico Energy, Minerals, & Natural Resources Dept.

Oil Conservation Division, Environmental Bureau

1220 S. St. Francis Drive

Santa Fe, New Mexico 87505

**Re: Monitor Well Plugging Report, for the Vanguard Natural Resources, LLC
Abo G-1 Release Site (1R415) Unit Letter G, Section 1, T17S, R36E
Lea County, New Mexico; Remediation Plan (1R-415) Termination**

Mr. Hansen:

Rice Operating Company (ROC) submits the following Monitor Well Plugging Report for the Vanguard Natural Resources, LLC Abo G-1 Release Site (1R415) located about 6 miles southeast of the center of Lovington, New Mexico.

Following approval of termination of this site by the NMOCD on January 14th, 2010, Vanguard Natural Resources, LLC contracted Rice Operating Company (ROC) to plug the monitor well (MW-1) and two lysimeters.

Well plugging for the monitor well (MW-1) and two lysimeters was conducted by Harrison & Cooper, Inc. (NM Permit #WD-1271), in accordance with NMOCD requirements (1% - 3% bentonite slurry with a 3 foot cement cap). Well plugging reports and photos of the well plugging are attached. As shown on the enclosed plugging reports, the monitor well and lysimeters were plugged on February 22, 2010. Prior to plugging, the casing was pulled from the wellbore and the well was plugged using a cement grout with 3% bentonite from 3' – 120', and cement from 0-3'. The lysimeters were plugged using a cement grout with 3% bentonite from 3' – 10', and cement from 0-3'.

Vanguard Natural Resources, LLC. acknowledges that they have met the requirements of 19.15.29 NMAC, the NMOCD terminated the remediation plan (1R415) in accordance with 19.15.29 NMAC and no further actions are warranted. If you require any additional information or have any questions or comments, please call at (575) 393-9174 or Britt Pence at (832) 327-2252.

Respectfully submitted,

Rice Operating Company



Hack Conder

Environmental Manager

cc: Britt Pence, Scott Curtis

Enclosures: Plugging Reports, Photos, Termination Approval

HARRISON & COOPER, INC.

Drilling & Pump Professionals

7414 85th Street, Lubbock, Texas 79424-4951

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

Ph: (806) 866-4026

Fax: (806) 866-4044

harrisoncooper-drilling.com

Plugging Report

Client	Rice Operating
Contractor	Harrison & Cooper
Date Completed	2/22/2010
Site	Abo 1-G
Well ID	MW-1
Casing Diameter	2"
Well Depth	120'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-120'
Cement Interval	0'-3'

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Email (Lara Weinheimer)

Mail (Rice-Hobbs)

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

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Plugging Report

Client	Rice Operating
Contractor	Harrison & Cooper
Date Completed	2/22/2010
Site	Abo 1-G
Well ID	Lysimeter-1
Casing Diameter	2", 2", 3"
Well Depth	10'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-10'
Cement Interval	0'-3'

Copies: File

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Plugging Report

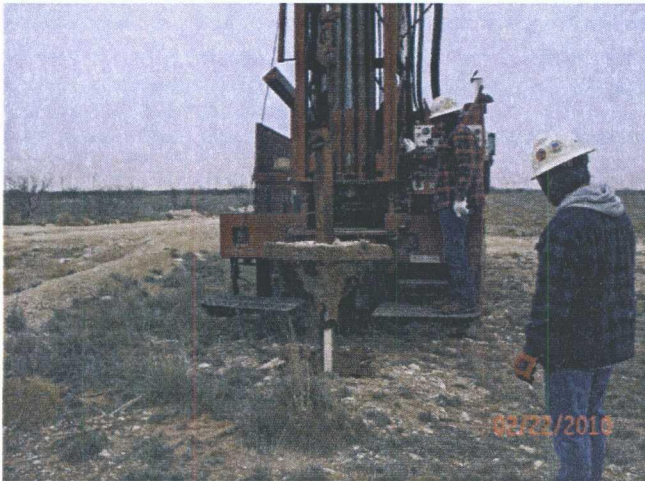
Client	Rice Operating
Contractor	Harrison & Cooper
Date Completed	2/22/2010
Site	Abo 1-G
Well ID	Lysimeter-2
Casing Diameter	2", 2", 3"
Well Depth	10'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-10'
Cement Interval	0'-3'

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Pulling monitor well #1



Completing the plugging with a 3' cement cap



Completed plugging the site

From: Hansen, Edward J., EMNRD [<mailto:edwardj.hansen@state.nm.us>]
Sent: Thursday, January 14, 2010 6:21 PM
To: Pence, Britt
Cc: Leking, Geoffrey R, EMNRD; Patrick McMahon; Michael Leighton
Subject: Remediation Plan (1R-415) Termination (Abo G-1 Release Site)

**RE: Soil Investigation Work Plan Report
for the Vanguard Natural Resources, LLC
Abo G-1 Release Site (1R415)
Unit Letter G, Section 1, T17S, R36E, NMPM, Lea County, New Mexico
Remediation Plan (1R-415) Termination**

Dear Mr. Pence:

The New Mexico Oil Conservation Division (OCD) has received Vanguard's above-referenced report (dated December 31, 2009) and Closure Report (dated April, 2008) and supplemental closure report (dated October 21, 2008) to close the above-referenced site. The reports are acceptable to the OCD. However, the material used to plug the groundwater monitoring well(s) must be a cement grout with 1% to 3% bentonite or other plugging material approved by the OCD. Please submit to the OCD a final plugging report within 90 days of receipt of this notice. [Please note that MW-2 may remain open to further assist in an off-site investigation.]

The above-referenced reports, submitted in accordance with 19.15.29 NMAC (Part 29; formally, Rule 116), indicates that Vanguard Natural Resources, LLC, has met the requirements of 19.15.29 NMAC; therefore, the OCD approves the reports and hereby notifies you that the remediation plan (1R-415) is terminated in accordance with 19.15.29 NMAC.

Please be advised that OCD approval of these reports does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau