

3rd well to Frack with Mullins 28-16-292#

State Well Report

Part 1

Mississippi Department of Environmental Quality
Office of Land and Water Resources
P.O. Box 10631
Jackson, MS 39289-0631
(601)961-5210
(601)354-6938 (fax)

For Office Use Only:

Aquifer: A25
Well #: _____
L. S. Elevation: _____
E-log #: _____

County: Jeff-Davis
Permit #: _____
Driller: Gary Rayborn
Date drilling completed: 9-10-10

State Law requires that this report be prepared by the driller in detail and filed with the Department within 30 days of completion of drilling of the well.

Well Owner Information	Well Location
Owner Name: <u>Penn-Va Oil & Gas Corp</u>	Latitude: <u>31.43.21</u> Longitude: <u>89.54.44</u>
Mailing Address: <u>840 Gessner Suite 800</u>	Method of Lat/Long (circle one): <u>Conventional Survey</u>
<u>DEPT AP-300</u>	USGS quad; Hand-held GPS, Survey-grade GPS
<u>Houston TX 77024</u>	<u>SW 1/4 NE 1/4 Sec 28 Twn 9N Rng 19W</u>
City State Zip Code	Distance Direction Nearest Town
Telephone No. <u>423.723-0281</u>	<u>8</u> Miles <u>N/NW</u> of <u>Prentiss</u>

Well Data

Purpose of Well (circle one) Home Industrial Public Supply Irrigation Fish Culture Other: Rig Supply

Date well drilling started: 9-10-10 Date well drilling completed: 9-10-10

If flowing, method of flow regulation: Valve _____ Other (describe) _____

Static Water Level: 20' feet above or below (circle one) land surface Date measured: 9-10-10

Method of Measurement (circle one) steel tape electric tape air line other: _____

Hole depth: 60 Well depth: 60 Well grouted to a depth of 10 feet

Type of grout (circle one): Cement Bentonite Mix

Casing length: 40 feet Casing diameter: 4 inches Type of casing: PVC

Screen length: 20 feet Screen diameter: 4 inches Type of screen: PVC

Screen slot size: 020 inches Setting depth: From 40 feet to 60 feet

Type of completion (circle all applicable): Gravel packed Underreamed Telescoped Open hole Natural Development

Other (describe): _____

Top of lap pipe or reduction in casing: _____ feet. If telescoped or more than one screen, describe on back of page

Logs run (circle all applicable): No log-run Electric Gamma Ray Density Sonic Neutron Other: _____

Name of organization running log(s): _____

I certify that the well was drilled, constructed, and completed in accordance with all applicable requirements of the Mississippi Department of Environmental Quality and/or the Mississippi Department of Health regulations and state laws.

RAYBORN DRILLING, INC.

0-60

Print Name of Water Well Contractor and License No.

Signature of Water Well Contractor

[Signature] RECEIVED

OCT 05 2010

BY: OLWR

STATE WELL REPORT

Part 2

Pump Installer's Completion Report
 Mississippi Department of Environmental Quality
 Office of Land and Water Resources
 P.O. Box 10631
 Jackson, MS 39289-0631
 (601)961-5210
 (601)354-6938 (fax)

For Office Use Only:

Aquifer: _____
 Well #: _____
 Elevation: _____

County: Jeff Davis
 Permit #: _____
 Driller: Gary Rayborn
 Date completed: 9-10-10

This report should be prepared by the pump installer in detail and filed with the Department within 30 days of the installation of pump.

Well Owner Information	Well Location
Owner Name: <u>Penn-Va Oil & Gas Corp</u>	Latitude: _____ Longitude: _____
Mailing Address: <u>840 Gessner Suite 800</u>	Method of Lat/Long (circle one): Conventional Survey,
<u>DEPT AP-300</u>	USGS quad, Hand-held GPS, Survey-grade GPS
<u>HOUSTON TX 77024</u>	_____ 1/4 _____ 1/4 Sec <u>28</u> Twn <u>9N</u> Rng <u>19W</u>
City State Zip Code	Distance Direction Nearest Town
Telephone No. <u>(423) 723-0281</u>	<u>8</u> Miles <u>N/aw</u> of <u>Prentiss</u>

Pump Type Circle one	Power Type Circle one
Air Lift Jet <input type="radio"/> <u>Submersible</u> <input type="radio"/>	Diesel Engine Gasoline Engine Natural Gas
Bucket Piston <input type="radio"/> Turbine <input type="radio"/>	<u>Electric Motor</u> <input type="radio"/> Hand <input type="radio"/> Tractor PTO
Centrifugal Rotary <input type="radio"/> Flowing Well <input type="radio"/>	Windmill Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>5HP</u>
Date Pump Installed: <u>9-10-10</u>	Setting Depth: <u>52'</u> feet
Rated Pump Capacity: <u>60</u> Gallons Per Minute	Number of Stages: <u>11</u>

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: <u>9-10-10</u>	Air Line <input type="radio"/> <u>Electric Measuring Line</u> <input type="radio"/> Steel Tape
Static Water Level (A): <u>20</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): _____ Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: _____ Feet Below Land Surface	Well yielded <u>70</u> GPM with a drawdown of _____ feet after _____ hours of pumping
Test Pumping Rate: <u>70</u> Gallons Per Minute	
Duration of Pump Test (minimum 4 hours): _____ hours	

I HEREBY CERTIFY that the above statements are true to the best of my knowledge.

Gary Rayborn 0-60
 Print Name of Pump Installer and License No. (if applicable)

Signature of Pump Installer

RECEIVED

OCT 05 2010

BY: OIWR