

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: _____
Well #: G-48 031
L. S. Elevation: _____
E-log #: _____

County: Covington
Permit #: _____
Driller: John W. Thompson
Date drilling completed: 9-9-04

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>Cimarex Energy Co</u>	Latitude: _____ Longitude: _____
Mailing Address: <u>707 17th St Suite 3300</u>	Method of Lat/Long (circle one): Conventional Survey.
<u>Denver CO 80202</u>	USGS quad, Hand-held GPS, Survey-grade GPS
City: _____ State: _____ Zip Code: _____	_____ 1/4 _____ 1/4 Sec <u>12</u> Twn <u>8N</u> Rng <u>15W</u>
Telephone No. (____) _____	Distance _____ Direction _____ Nearest Town _____
	<u>6</u> Miles <u>E</u> of <u>Collins</u>

Well Data

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

Date well drilling started: 9-9-04 Date well drilling completed: 9-9-04

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

Static Water Level: 88 feet above or below (circle one) land surface Date measured: 9-10-04

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

Hole depth: 160 Well depth: 150 Well grouted to a depth of 20

Type of grout (circle one): Cement Bentonite Mix _____

Casing length: 120 feet Casing diameter: 4 inches Type of casing: PVC

Screen length: 30 feet Screen diameter: 4 inches Type of screen: PVC slotted

Screen slot size: .010 inches Setting depth: From 120 feet to 150 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): _____

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OCT 04 2004
BY: OLWR

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.

John W. Thompson 0-0679
Print Name of Water Well Contractor and License No. John W. Thompson
Signature of Water Well Contractor

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)

County: Covington
 Permit #: _____
 Driller: John W. Thompson
 Date completed: 9-9-04

For Office Use Only:

Aquifer: _____
 Well #: G-48
 Elevation: _____

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>Cimarex Energy Co</u>	Latitude: <u>N31° 40'</u> Longitude: <u>W89° 27'</u>
Mailing Address: <u>707 17th St Suite 300</u> <u>Denver CO 80202</u>	Method of Lat/Long (circle one): <input type="radio"/> Conventional Survey <input type="radio"/> USGS quad, Hand-held GPS, Survey-grade GPS
City: _____ State: _____ Zip Code: _____	<u>1/4</u> <u>1/4</u> Sec <u>12</u> Twn <u>8N</u> Rng <u>15W</u>
Telephone No. (____) _____	Distance: <u>6</u> Miles Direction: <u>E</u> of Nearest Town: <u>Collins</u>

Pump Type Circle one	Power Type Circle one
Air Lift: <input type="radio"/> Jet <input checked="" type="radio"/> <u>Submersible</u>	Diesel Engine <input type="radio"/> Gasoline Engine <input type="radio"/> Natural Gas <input type="radio"/>
Bucket: <input type="radio"/> Piston <input type="radio"/> Turbine	<input checked="" type="radio"/> <u>Electric Motor</u> <input type="radio"/> Hand <input type="radio"/> Tractor PTO
Centrifugal: <input type="radio"/> Rotary <input type="radio"/> Flowing Well	Windmill <input type="radio"/> Other (specify): _____
Other (specify): _____	Horse Power Rating of Motor: <u>5</u> RECEIVED
Date Pump Installed: <u>9-10-04</u>	Setting Depth: <u>120</u> ^{feet} OCT 04 2004
Rated Pump Capacity: <u>85</u> Gallons Per Minute	Number of Stages: _____ BY: OLWR

Pump Test Data	Method of Measuring Water Level Circle one
Date Well Tested: <u>9-10-04</u>	Air Line <input type="radio"/> Electric Measuring Line <input type="radio"/> <input checked="" type="radio"/> <u>Steel Tape</u>
Static Water Level (A): <u>88</u> Feet Below Land Surface	Other (specify): _____
Pumping Water Level (B): <u>73</u> Feet Below Land Surface	For flowing well, measured shut in head: _____ feet
Drawdown [(B) - (A)]: <u>15</u> Feet Below Land Surface	Well yielded <u>100</u> GPM with a drawdown of
Test Pumping Rate: <u>100</u> Gallons Per Minute	<u>15</u> feet after <u>4</u> hours of pumping
Duration of Pump Test (minimum 4 hours): <u>4</u> hours	

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

John W. Thompson 0-0679 John W. Thompson
 Print Name of Pump Installer and License No. (if applicable) Signature of Pump Installer