

Bearcat Drilling

5424 US Highway 64

PO BOX 717

Phone: 505-327-5218

Farmington, NM 87401

Farmington, NM 87499

Fax: 505-564-9185

JAECO

Deviation Report

Apache
JAECO JVA 3A

30-039-30514

21/27N/2W

321' .25 3725' .50

814' 1.25

1288' .75

1760' 1.25

2250' 1.00

2725' 1.50

3225' 1.25

RCVD FEB 12 '09

OIL CONS. DIV.

DIST. 3

Remainder of hole to TD was drilled with air

Surveys as reported by Bearcat Drilling Rig #5, Daily IADC Drilling Report.

Aaron Maurer

Aaron Maurer -- Bearcat Drilling

The State of New Mexico, County of San Juan

The foregoing instrument was acknowledged before me on this 4th day of February 2009

By Stacey L. Garcia

Notary Public Stacey L. Garcia

My Commission Expires 2-24-10

dy



DATE: 9-29-2008

COMPANY: J.A.E.C.O.

WELL NAME & NUMBER: APACHE JVA NO. 3-A

API NO.: 30-039-30514

COUNTY: RIO ARRIBA

STATE: NEW MEXICO

SECTION/TOWNSHIP/RANGE: 21-27N-2W

TOTAL DEPTH: 6460'

RESULTS:

DEVIATION DEPTH: 4000' GL'

DEGREE OF DEVIATION: .5 DEGREE

Dianne Tefteller
San Juan County, New Mexico

My commission expires: AUGUST 24, 2012

