



PHOENIX
TECHNOLOGY SERVICES

December 6, 2011

Oil Conservation Division
State of New Mexico
1625 N. French Drive
Hobbs, New Mexico 88240

HOBBS OCD

DEC 12 2011

RECEIVED

Dear District 1

Re: EOG Resources
Caballo 23 Fed 5H
Lea County, NM
~~API #30-025-40247~~
Job No. 1110582

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. Other information required by your office is as follows:

Name & Title of Surveyor	Drainhole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Bruce Manser	5H	1,143	13,966	11/20/11	12/01/11	MWD

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Gretchen Briggs
Operations Administrator

Certified mail receipt number: **7010 1670 0000 9227 7218**

DEC 15 2011

Phoenix Technology Services SURVEY DATA CERTIFICATION

HOBBS OGD

DEC 12 2011



PHOENIX
TECHNOLOGY SERVICES

PHOENIX JOB NUMBER

1110582

OPERATOR

EOG Resources

WELL NAME

Caballo 23 Fed 5H

COUNTY & STATE

Lea, NM

API WELL NUMBER

30-025-40247

PROPOSED DIRECTION

179.4

TIE-IN DATA						
MEASURED DEPTH	VERTICAL DEPTH	INCLIN	AZIMUTH	N-S COORD	E-W COORD	DATA SOURCE
1,100 ft	1,099.98 ft	0.38	240.41	-4.46	-5.20	Surface

FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
20-Nov-11	1,143 ft	0.50	274.52

SURVEY INSTRUMENT
TYPE

Phoenix MWD

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
1-Dec-11	13,966 ft	92.1	181.1

TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

PROJECTED TD SURVEY DATE	PROJECTED TD SURVEY DEPTH	INCLIN	AZIMUTH
1-Dec-11	14,025 ft	92.1	181.1

Bruce Manser

PRINT YOUR NAME ABOVE

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	DECLINATION OR GRID
7.12	

12/1/2011

TODAY'S DATE

MWD SUPERVISOR 1

Bruce Manser

DIRECTIONAL DRILLER 1

Corey Owens

MWD SUPERVISOR 2

Jonathan Gammons

DIRECTIONAL DRILLER 2

Casey Tubbe

1805 Brittmore Road

Houston, Texas 77043

(713)3370609 (Voice), (713)337-0599 (Fax)