

SUR: C-14-25s-33e, 50/N & 2130/W  
BHL: N-14-25s-33e, 5028/N & 2026/W  
API # 30-025-39943



**PHOENIX**  
**TECHNOLOGY SERVICES**

September 11, 2012

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

Dear District 1 - Hobbs

Re: EOG Resources  
Vaca 14 Fed 6H  
Lea Co., NM  
API #30-0525-39943  
Job No. 1210812

**HOBBS OCD**

**OCT 01 2012**

**RECEIVED**

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	
Matt Dice	6	1,284	14,098	09/09/12	09/21/12	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,

Amy Pope  
Operations Administrator

Certified mail receipt number: 7011 1570 0001 4364 9711

HOBBS OCD

OCT 01 2012

Phoenix Technology Services  
SURVEY DATA CERTIFICATION



RECEIVED

PHOENIX JOB NUMBER 1210812

OPERATOR EOG Resources

WELL NAME Vaca 14 Fed 6H COUNTY & STATE Lea, NM

API WELL NUMBER 3002539943

PROPOSED DIRECTION 101.37

TIE-IN DATA						
MEASURED DEPTH	VERTICAL DEPTH	INCLIN	AZIMUTH	N-S COORD	E-W COORD	DATA SOURCE
1,164 ft	1,163.99 ft	.3 ft	241.0 ft	1.07 ft	3.73 ft	Gyro

FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
9-Sep-12	1,284 ft	0.2	196.1

SURVEY INSTRUMENT TYPE
Phoenix-MWD

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
21-Sep-12	14,098 ft	89.9	182.1

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
21-Sep-12	14,150 ft	89.9	182.1

Matt Dice

PRINT YOUR NAME ABOVE

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID	
TOTAL CORRECTION USED	7
DECLINATION OR GRID	DECLINATION:

9/21/2012

TODAY'S DATE

MWD SUPERVISOR 1 Brad Hill DIRECTIONAL DRILLER 1 Corey Owens  
MWD SUPERVISOR 2 Matt Dice DIRECTIONAL DRILLER 2 Casey Tubbe

1805 Brittmore Road Houston, Texas 77043 (713)3370609 (Voice), (713)337-0599 (Fax)

nothing will printout below this line

By the end of the job complete this form, print it out, sign it and put in your job folder  
This form is backup for any questions on data reliability  
Survey Instrument type is either a MWD, Steering Tool, or Single Shot