

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
June 19, 2008

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	WELL API NO. 30-015-37590
2. Name of Operator EOG Resources, Inc.	5. Indicate Type of Lease STATE ☒ FEE ☐
3. Address of Operator P.O. Box 2267 Midland, TX 79702	6. State Oil & Gas Lease No.
4. Well Location Unit Letter B : 140 feet from the North line and 1650 feet from the East line Section 11 Township 25S Range 29E NMPM County Eddy	7. Lease Name or Unit Agreement Name: Elk Wallow 11 State
	8. Well Number 3H
	9. OGRID Number 7377
	10. Pool name or Wildcat Pierce Crossing; Bone Spring, East
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3061' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

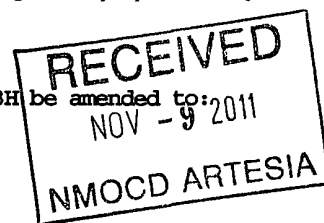
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

EOG Resources requests the approved APD location for the Elk Wallow 11 State 3H be amended to:

140' FNL & 1650' FEL, U/L B (SHL)
330' FSL & 1880' FEL, U/L O (BHL)
Section 11, T25S, R29E, Eddy County



Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 10/26/11

Type or print name Stan Wagner E-mail address: _____ PHONE 432-686-3689

For State Use Only

APPROVED BY T. C. Shepard TITLE Geologist DATE 5/17/2012

Conditions of Approval (if any):

Permit Information:

Well Name: Elk Wallow 11 State No. 3H

Location:

SL: 140' FNL & 1650' FEL, Section 11, T-25-S, R-29-E, Eddy Co., N.M.

BHL: 330' FSL & 1880' FEL, Section 11, T-25-S, R-29-E, Eddy Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 – 625'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4000' – 4750'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0'-11,996'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
625'	500	14.8	1.32	Class C + 0.005 pps Static Free + 2% CaCl ₂ + 0.25 pps CelloFlake + 0.005 gps FP-6L (TOC @ surface)
4,750' Stage Tool @ 3,000'	350	12.7	2.219	1 st Stage Lead: Class C + 2.0% SMS + 10.0% Salt + 1.10% R-3 + 0.005 pps Static Free + 0.25 pps Celloflake (TOC @ surface)
	200	14.8	1.34	1 st Stage Tail: Class C + 0.60% FL-62 + 0.45% CD-32 + 0.15% SMS + 0.30% R-3
	700	12.7	2.219	2 nd Stage Lead: Class C + 2.0% SMS + 10.0% Salt + 0.65% R-3 + 0.005 pps Static Free + 0.25 pps Celloflake
	100	14.8	1.34	2 nd Stage Tail: Class C + 0.60% FL-62 + 0.45% CD-32 + 0.15% SMS + 0.15% R-3 + 0.005 pps Static Free
11,996'	375	10.8	3.675	60:40:0 Class C + 15.0 pps BA-90 + 4% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.80% ASA-301 + 2.55% R-21 + 8.0 pps LCM-1
	300	11.8	2.38	50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.40% SMS + 2.0% Salt + 0.30% R-21 + 3.0 pps LCM-1 + 0.25 pps Celloflake
	1200	14.2	1.277	50:50:2 Class H + 0.65% FL-52 + 0.45% CD-32 + 0.10% SMS + 2.0% Salt

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 625'	Fresh - Gel	8.6-8.8	28-34	N/c
625' – 4,750'	Brine	10.0-10.2	28-34	N/c
4,750' – 6,877'	Cut Brine	8.4-9.0	28-34	N/c
KOP – 11,996' Lateral	Cut Brine - XCD	9.0-9.5	40-42	8-10

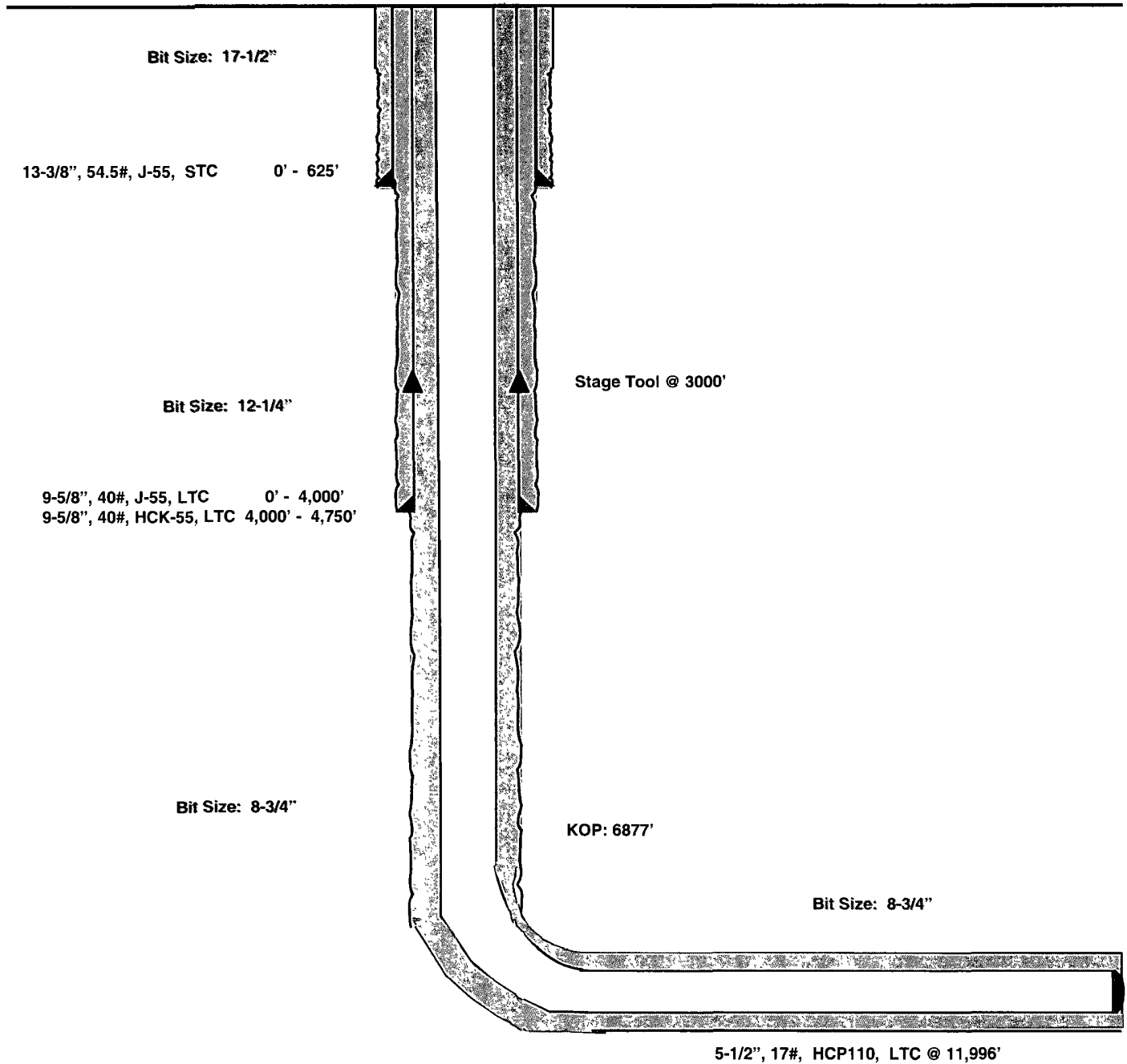
Elk Wallow 11 State #3H

**Eddy County, New Mexico
Revised Location
Proposed Wellbore**

**140' FNL
1650' FEL
Section 11
T-25-S, R-29-E**

API: 30-015-37590

**KB: 3,086.7'
GL: 3,061.7'**



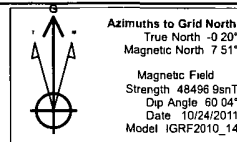
**Lateral:
11,996' MD, 7,355' TVD**

**BH Location: 330' FSL & 1880' FEL
Section 11
T-25-S, R-29-E**

EOG Resources

Project: Eddy County, NM (Nad27)
Site: Elk Wallow 11 State
Well: Elk Wallow State 11 3H
Wellbore: Wellbore #1
Plan: Plan #1 102411
Rig: Cactus Rig No.139

PROJECT DETAILS Eddy County, NM (Nad27)
 Geodetic System US State Plane 1927 (Exact solution)
 Datum NAD 1927 (NADCON CONUS)
 Ellipsoid Clarke 1866
 Zone New Mexico East 3001
 System Datum Mean Sea Level
 Location North Gnd



WELL DETAILS: Elk Wallow State 11 3H

Ground Level	3061 70
Northing	419025 40
Easting	618185 70
Latitude	32° 9' 5 189 N 103° 57' 5 237 W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BHL Elk Wallow 11 State 3H	7355 00	-4842 30	-195 10	414183 10	617990 60	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
6877 54	0 00	0 00	6877 54	0 00	0 00	0 00	0 00	0 00
7627 54	90 00	182 31	7355 00	-477 08	-19 22	12 00	182 31	477 46
11996 30	90 00	182 31	7355 00	-4842 30	-195 10	0 00	0 00	4846 23

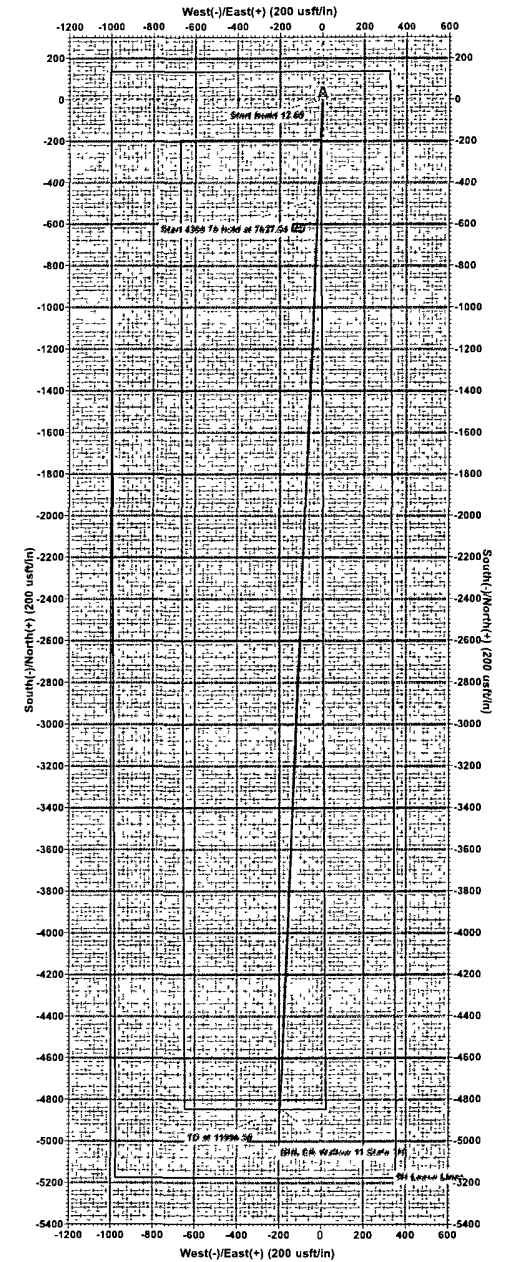
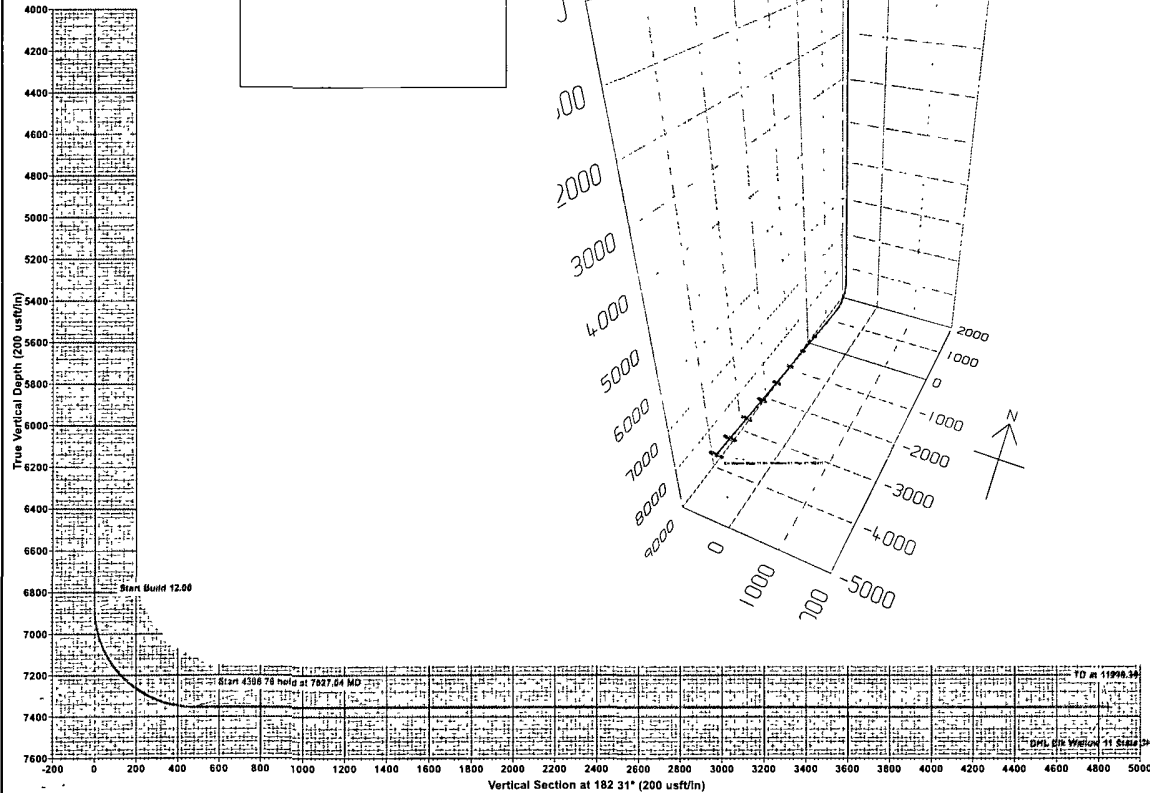
BHL Elk Wallow 11 State 3H

ANNOTATIONS

TVD	MD	Annotation
6877 54	6877 54	Start Build 12 00
7355 00	7627 54	Start 4368 76 hold at 7627 54 MD
7355 00	11996 30	TD at 11996 30

FORMATION TOP DETAILS

No formation data is available



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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-37590	Pool Code 96473	Pool Name Pierce Crossing; Bone Spring, East
Property Code 38036	Property Name ELK WALLOW "11" STATE	Well Number 3H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3061.7'

Surface Location

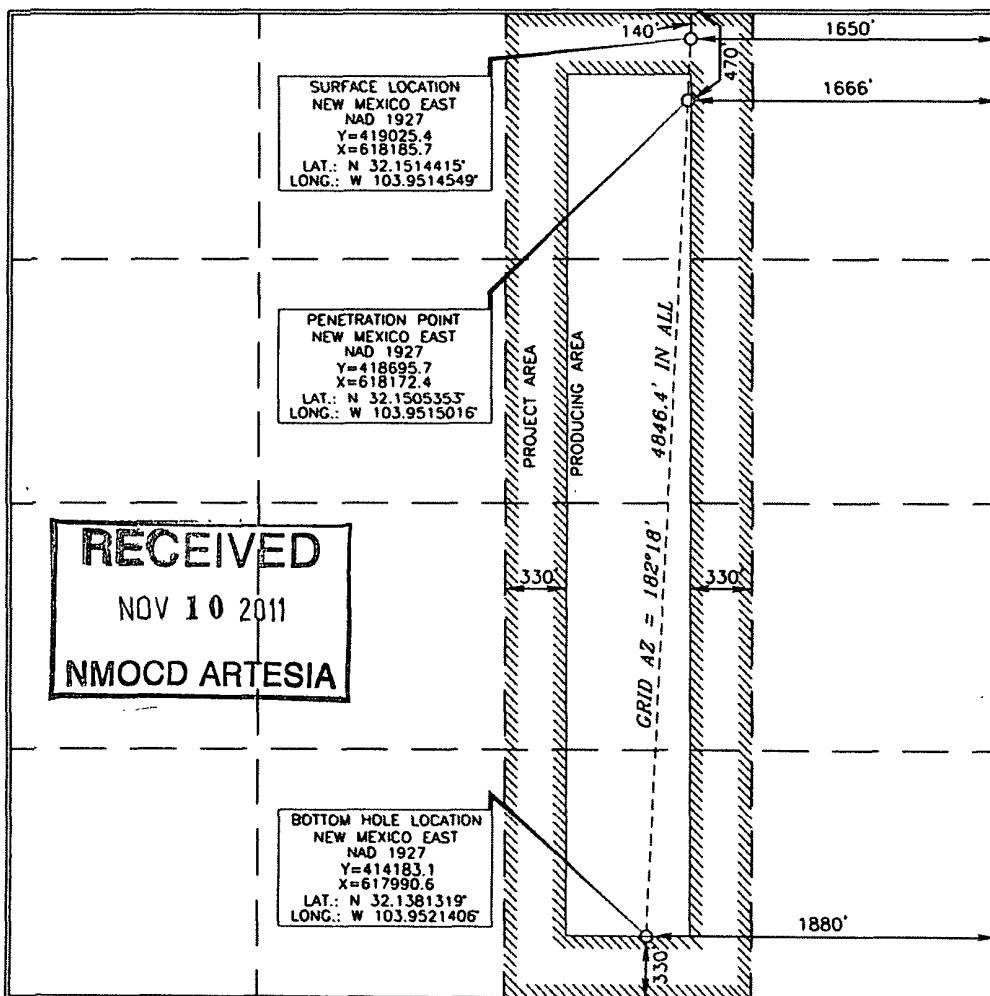
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	11	25 SOUTH	29 EAST, N.M.P.M.		140'	NORTH	1650'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	11	25 SOUTH	29 EAST, N.M.P.M.		330'	SOUTH	1880'	EAST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Stan Wagner 10/26/11
Signature Date

Stan Wagner
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

SEPTEMBER 29, 2011
Date of Survey

James J. Paul
Signature of Professional Surveyor

15079
Certificate Number

WO# 110929WL-d (KA)

RECEIVED

NOV 10 2011

NMOCD ARTESIA

EOG Resources

Eddy County, NM (Nad27)

Elk Wallow 11 State

Elk Wallow State 11 3H

Wellbore #1

Plan: Plan #1 102411

EOG Resources

24 October, 2011



30-015-37590

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Elk Wallow State 11 3H
Project:	Eddy County, NM (Nad27)	TVD Reference:	WELL @ 3086.70usft (Original Well Elev + 25' KB)
Site:	Elk Wallow 11 State	MD Reference:	WELL @ 3086 70usft (Original Well Elev + 25' KB)
Well:	Elk Wallow State 11 3H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1 102411	Database:	GCR DB v5000

Project:	Eddy County, NM (Nad27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site		Elk Wallow 11 State									
Site Position:		Northing:		419,025 40 usft		Latitude:		32° 9' 5.189 N			
From:		Map		Easting:		618,185 70 usft		Longitude:		103° 57' 5.237 W	
Position Uncertainty:		0.00 usft		Slot Radius:		13-3/16 "		Grid Convergence:		0.20 °	

Well		Elk Wallow State 11 3H				
Well Position	+N/-S	0.00 usft	Northing:	419,025.40 usft	Latitude:	32° 9' 5.189 N
	+E/-W	0.00 usft	Easting:	618,185.70 usft	Longitude:	103° 57' 5.237 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,061.70 usft

Wellbore		Wellbore #1			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010_14	10/24/2011	7.71	60.04	48,497

Design:		Plan #1 102411		
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0 00	0.00	0.00	182.31

Survey Tool Program		Date 10/24/2011		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0 00	11,996 30	Plan #1 102411 (Wellbore #1)	MWD	MWD - Standard

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate/Reference:	Well Elk Wallow State 11 3H
Project:	Eddy County, NM (Nad27)	TVD Reference:	WELL @ 3086.70usft (Original Well Elev + 25' KB)
Site:	Elk Wallow 11 State	MD Reference:	WELL @ 3086.70usft (Original Well Elev + 25' KB)
Well:	Elk Wallow State 11 3H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1 102411	Database:	GCR.DB v5000

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V- Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
0 00	0.00	0 00	-3,086.70	0.00	0 00	0.00	0 00	0.00	419,025.40	618,185.70	
100.00	0 00	0 00	-2,986.70	100.00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
200 00	0.00	0 00	-2,886.70	200 00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
300 00	0.00	0.00	-2,786.70	300.00	0 00	0.00	0 00	0.00	419,025.40	618,185.70	
400 00	0.00	0.00	-2,686.70	400.00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
500 00	0.00	0.00	-2,586.70	500 00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
600.00	0.00	0 00	-2,486.70	600 00	0 00	0.00	0 00	0.00	419,025.40	618,185.70	
700 00	0.00	0.00	-2,386.70	700.00	0 00	0 00	0 00	0.00	419,025.40	618,185.70	
800 00	0.00	0 00	-2,286.70	800 00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
900.00	0 00	0 00	-2,186.70	900.00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
1,000 00	0.00	0.00	-2,086.70	1,000.00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
1,100.00	0.00	0 00	-1,986.70	1,100.00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
1,200.00	0.00	0.00	-1,886.70	1,200.00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
1,300.00	0.00	0 00	-1,786.70	1,300.00	0.00	0 00	0 00	0.00	419,025.40	618,185.70	
1,400.00	0 00	0.00	-1,686.70	1,400 00	0 00	0.00	0 00	0.00	419,025.40	618,185.70	
1,500.00	0 00	0.00	-1,586.70	1,500 00	0 00	0.00	0 00	0.00	419,025.40	618,185.70	
1,600.00	0.00	0.00	-1,486.70	1,600.00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
1,700.00	0.00	0.00	-1,386.70	1,700.00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
1,800.00	0.00	0.00	-1,286.70	1,800.00	0.00	0 00	0 00	0.00	419,025.40	618,185.70	
1,900.00	0.00	0 00	-1,186.70	1,900.00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
2,000 00	0 00	0 00	-1,086.70	2,000 00	0.00	0 00	0 00	0.00	419,025.40	618,185.70	
2,100.00	0.00	0 00	-986.70	2,100 00	0 00	0.00	0 00	0.00	419,025.40	618,185.70	
2,200.00	0 00	0 00	-886.70	2,200.00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
2,300.00	0.00	0.00	-786.70	2,300.00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
2,400.00	0.00	0 00	-686.70	2,400.00	0 00	0.00	0 00	0.00	419,025.40	618,185.70	
2,500.00	0.00	0.00	-586.70	2,500.00	0 00	0.00	0 00	0.00	419,025.40	618,185.70	
2,600.00	0 00	0.00	-486.70	2,600.00	0 00	0 00	0 00	0.00	419,025.40	618,185.70	

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Elk Wallow State 11 3H
Project:	Eddy County, NM (Nad27)	TVD Reference:	WELL @ 3086.70usft (Original Well Elev + 25' KB)
Site:	Elk Wallow 11 State	MD Reference:	WELL @ 3086.70usft (Original Well Elev + 25' KB)
Well:	Elk Wallow State 11 3H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1 102411	Database:	GCR DB v5000

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
2,700.00	0 00	0.00	-386.70	2,700.00	0 00	0.00	0.00	0.00	419,025.40	618,185.70	
2,800.00	0.00	0.00	-286.70	2,800.00	0.00	0.00	0 00	0 00	419,025.40	618,185.70	
2,900.00	0.00	0 00	-186.70	2,900.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
3,000.00	0.00	0.00	-86.70	3,000.00	0.00	0.00	0 00	0 00	419,025.40	618,185.70	
3,100.00	0.00	0.00	13.30	3,100.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
3,200.00	0 00	0.00	113.30	3,200.00	0.00	0.00	0.00	0 00	419,025.40	618,185.70	
3,300.00	0.00	0.00	213.30	3,300.00	0.00	0.00	0 00	0 00	419,025.40	618,185.70	
3,400.00	0.00	0.00	313.30	3,400.00	0.00	0 00	0.00	0.00	419,025.40	618,185.70	
3,500.00	0 00	0 00	413.30	3,500.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
3,600.00	0.00	0.00	513.30	3,600.00	0.00	0 00	0.00	0.00	419,025.40	618,185.70	
3,700.00	0.00	0.00	613.30	3,700.00	0.00	0 00	0.00	0.00	419,025.40	618,185.70	
3,800.00	0.00	0.00	713.30	3,800.00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
3,900.00	0 00	0.00	813.30	3,900.00	0.00	0.00	0 00	0 00	419,025.40	618,185.70	
4,000.00	0 00	0.00	913.30	4,000.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
4,100.00	0.00	0.00	1,013.30	4,100.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
4,200.00	0.00	0.00	1,113.30	4,200.00	0.00	0.00	0 00	0.00	419,025.40	618,185.70	
4,300.00	0.00	0.00	1,213.30	4,300.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
4,400.00	0.00	0.00	1,313.30	4,400.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
4,500.00	0 00	0.00	1,413.30	4,500.00	0 00	0.00	0.00	0 00	419,025.40	618,185.70	
4,600.00	0 00	0 00	1,513.30	4,600.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
4,700.00	0.00	0.00	1,613.30	4,700.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
4,800.00	0 00	0 00	1,713.30	4,800.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
4,900.00	0.00	0.00	1,813.30	4,900.00	0.00	0.00	0.00	0 00	419,025.40	618,185.70	
5,000.00	0.00	0.00	1,913.30	5,000.00	0.00	0.00	0 00	0 00	419,025.40	618,185.70	
5,100.00	0 00	0 00	2,013.30	5,100.00	0 00	0.00	0.00	0 00	419,025.40	618,185.70	
5,200.00	0.00	0.00	2,113.30	5,200.00	0 00	0.00	0.00	0.00	419,025.40	618,185.70	
5,300.00	0.00	0.00	2,213.30	5,300.00	0.00	0.00	0 00	0 00	419,025.40	618,185.70	

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Elk Wallow State 11 3H
Project:	Eddy County, NM (Nad27)	TVD Reference:	WELL @ 3086.70usft (Original Well Elev + 25' KB)
Site:	Elk Wallow 11 State	MD Reference:	WELL @ 3086.70usft (Original Well Elev + 25' KB)
Well:	Elk Wallow State 11 3H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1 102411	Database:	GCR DB v5000

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
5,400.00	0.00	0.00	2,313.30	5,400.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
5,500.00	0.00	0.00	2,413.30	5,500.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
5,600.00	0.00	0.00	2,513.30	5,600.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
5,700.00	0.00	0.00	2,613.30	5,700.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
5,800.00	0.00	0.00	2,713.30	5,800.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
5,900.00	0.00	0.00	2,813.30	5,900.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
6,000.00	0.00	0.00	2,913.30	6,000.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
6,100.00	0.00	0.00	3,013.30	6,100.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
6,200.00	0.00	0.00	3,113.30	6,200.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
6,300.00	0.00	0.00	3,213.30	6,300.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
6,400.00	0.00	0.00	3,313.30	6,400.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
6,500.00	0.00	0.00	3,413.30	6,500.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
6,600.00	0.00	0.00	3,513.30	6,600.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
6,700.00	0.00	0.00	3,613.30	6,700.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
6,800.00	0.00	0.00	3,713.30	6,800.00	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
6,877.54	0.00	0.00	3,790.84	6,877.54	0.00	0.00	0.00	0.00	419,025.40	618,185.70	
Start Build 12.00											
6,900.00	2.70	182.31	3,813.29	6,899.99	-0.53	-0.02	0.53	12.00	419,024.87	618,185.68	
7,000.00	14.70	182.31	3,911.96	6,998.66	-15.61	-0.63	15.62	12.00	419,009.79	618,185.07	
7,100.00	26.70	182.31	4,005.34	7,092.04	-50.85	-2.05	50.90	12.00	418,974.55	618,183.65	
7,200.00	38.70	182.31	4,089.34	7,176.04	-104.73	-4.22	104.81	12.00	418,920.67	618,181.48	
7,300.00	50.70	182.31	4,160.29	7,246.99	-174.88	-7.05	175.02	12.00	418,850.52	618,178.65	
7,400.00	62.70	182.31	4,215.10	7,301.80	-258.24	-10.40	258.44	12.00	418,767.16	618,175.30	
7,500.00	74.70	182.31	4,251.37	7,338.07	-351.16	-14.15	351.44	12.00	418,674.24	618,171.55	
7,600.00	86.70	182.31	4,267.51	7,354.21	-449.58	-18.11	449.94	12.00	418,575.82	618,167.59	
7,627.54	90.00	182.31	4,268.30	7,355.00	-477.08	-19.22	477.46	12.00	418,548.32	618,166.48	
Start 4368.76 hold at 7627.54 MD											

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Elk Wallow State 11 3H
Project:	Eddy County, NM (Nad27)	TVD Reference:	WELL @ 3086.70usft (Original Well Elev + 25' KB)
Site:	Elk Wallow 11 State	MD Reference:	WELL @ 3086.70usft (Original Well Elev + 25' KB)
Well:	Elk Wallow State 11 3H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1 102411	Database:	GCR DB v5000

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
7,700.00	90 00	182 31	4,268.30	7,355.00	-549.48	-22 14	549.93	0.00	418,475.92	618,163.56
7,800.00	90.00	182.31	4,268.30	7,355 00	-649.40	-26 16	649 93	0.00	418,376.00	618,159.54
7,900 00	90.00	182.31	4,268 30	7,355 00	-749.32	-30.19	749.93	0.00	418,276.08	618,155.51
8,000 00	90 00	182 31	4,268.30	7,355 00	-849.24	-34.22	849.93	0.00	418,176.16	618,151 48
8,100.00	90.00	182 31	4,268.30	7,355.00	-949 16	-38.24	949.93	0.00	418,076 24	618,147.46
8,200 00	90.00	182.31	4,268.30	7,355 00	-1,049.08	-42 27	1,049.93	0.00	417,976.32	618,143.43
8,300 00	90.00	182.31	4,268 30	7,355 00	-1,149.00	-46.29	1,149.93	0.00	417,876.40	618,139.41
8,400.00	90.00	182.31	4,268.30	7,355 00	-1,248.92	-50.32	1,249.93	0.00	417,776.48	618,135.38
8,500 00	90.00	182 31	4,268.30	7,355.00	-1,348.84	-54 35	1,349.93	0.00	417,676.56	618,131.35
8,600.00	90.00	182 31	4,268 30	7,355.00	-1,448.75	-58.37	1,449.93	0.00	417,576.65	618,127 33
8,700.00	90.00	182.31	4,268.30	7,355.00	-1,548.67	-62.40	1,549.93	0 00	417,476.73	618,123.30
8,800.00	90 00	182 31	4,268.30	7,355 00	-1,648.59	-66.42	1,649.93	0.00	417,376.81	618,119 28
8,900.00	90.00	182.31	4,268.30	7,355 00	-1,748.51	-70.45	1,749.93	0.00	417,276.89	618,115 25
9,000 00	90 00	182.31	4,268.30	7,355.00	-1,848.43	-74 47	1,849.93	0.00	417,176.97	618,111 23
9,100 00	90.00	182.31	4,268 30	7,355.00	-1,948.35	-78.50	1,949.93	0.00	417,077.05	618,107.20
9,200 00	90.00	182.31	4,268 30	7,355.00	-2,048 27	-82.53	2,049 93	0.00	416,977.13	618,103.17
9,300.00	90.00	182 31	4,268.30	7,355 00	-2,148.19	-86 55	2,149.93	0.00	416,877.21	618,099.15
9,400.00	90.00	182.31	4,268.30	7,355 00	-2,248.11	-90.58	2,249 93	0.00	416,777 29	618,095.12
9,500.00	90 00	182.31	4,268.30	7,355 00	-2,348 02	-94.60	2,349.93	0.00	416,677.38	618,091 10
9,600.00	90.00	182 31	4,268.30	7,355.00	-2,447 94	-98 63	2,449 93	0.00	416,577.46	618,087.07
9,700.00	90.00	182.31	4,268.30	7,355.00	-2,547.86	-102.66	2,549.93	0.00	416,477.54	618,083 04
9,800 00	90 00	182 31	4,268.30	7,355 00	-2,647.78	-106.68	2,649.93	0.00	416,377.62	618,079.02
9,900.00	90.00	182 31	4,268.30	7,355 00	-2,747.70	-110.71	2,749.93	0.00	416,277 70	618,074.99
10,000.00	90.00	182 31	4,268.30	7,355.00	-2,847 62	-114.73	2,849.93	0.00	416,177.78	618,070.97
10,100.00	90.00	182.31	4,268.30	7,355 00	-2,947 54	-118 76	2,949.93	0.00	416,077 86	618,066.94
10,200.00	90.00	182.31	4,268.30	7,355.00	-3,047 46	-122.78	3,049.93	0.00	415,977 94	618,062.92
10,300.00	90.00	182.31	4,268 30	7,355.00	-3,147.38	-126.81	3,149.93	0 00	415,878 02	618,058 89

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Elk Wallow State 11 3H
Project:	Eddy County, NM (Nad27)	TVD Reference:	WELL @ 3086.70usft (Original Well Elev + 25' KB)
Site:	Elk Wallow 11 State	MD Reference:	WELL @ 3086.70usft (Original Well Elev + 25' KB)
Well:	Elk Wallow State 11 3H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1 102411	Database:	GCR DB v5000

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
10,400.00	90 00	182.31	4,268.30	7,355.00	-3,247.29	-130.84	3,249.93	0.00	415,778.11	618,054.86
10,500.00	90 00	182.31	4,268.30	7,355.00	-3,347.21	-134.86	3,349.93	0 00	415,678.19	618,050.84
10,600.00	90 00	182.31	4,268.30	7,355.00	-3,447.13	-138.89	3,449.93	0.00	415,578.27	618,046.81
10,700.00	90.00	182.31	4,268.30	7,355.00	-3,547.05	-142.91	3,549.93	0.00	415,478.35	618,042.79
10,800.00	90.00	182.31	4,268.30	7,355.00	-3,646.97	-146.94	3,649.93	0.00	415,378.43	618,038.76
10,900.00	90.00	182.31	4,268.30	7,355.00	-3,746.89	-150.97	3,749.93	0 00	415,278.51	618,034.73
11,000.00	90.00	182.31	4,268.30	7,355.00	-3,846.81	-154.99	3,849.93	0.00	415,178.59	618,030.71
11,100.00	90.00	182.31	4,268.30	7,355.00	-3,946.73	-159.02	3,949.93	0.00	415,078.67	618,026.68
11,200.00	90 00	182.31	4,268.30	7,355.00	-4,046.65	-163.04	4,049.93	0 00	414,978.75	618,022.66
11,300.00	90 00	182.31	4,268.30	7,355.00	-4,146.57	-167.07	4,149.93	0 00	414,878.83	618,018.63
11,400.00	90.00	182.31	4,268.30	7,355.00	-4,246.48	-171.09	4,249.93	0.00	414,778.92	618,014.61
11,500.00	90.00	182.31	4,268.30	7,355.00	-4,346.40	-175.12	4,349.93	0 00	414,679.00	618,010.58
11,600.00	90.00	182.31	4,268.30	7,355.00	-4,446.32	-179.15	4,449.93	0.00	414,579.08	618,006.55
11,700.00	90.00	182.31	4,268.30	7,355.00	-4,546.24	-183.17	4,549.93	0.00	414,479.16	618,002.53
11,800.00	90.00	182.31	4,268.30	7,355.00	-4,646.16	-187.20	4,649.93	0.00	414,379.24	617,998.50
11,900.00	90 00	182.31	4,268.30	7,355.00	-4,746.08	-191.22	4,749.93	0.00	414,279.32	617,994.48
11,996.30	90 00	182.31	4,268.30	7,355.00	-4,842.30	-195.10	4,846.23	0.00	414,183.10	617,990.60

TD at 11996.30

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,877.54	6,877.54	0.00	0.00	Start Build 12.00
7,627.54	7,355.00	-477.08	-19.22	Start 4368.76 hold at 7627.54 MD
11,996.30	7,355.00	-4,842.30	-195.10	TD at 11996.30

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Elk Wallow State 11 3H
Project:	Eddy County, NM (Nad27)	TVD Reference:	WELL @ 3086.70usft (Original Well Elev + 25' KB)
Site:	Elk Wallow 11 State	MD Reference:	WELL @ 3086.70usft (Original Well Elev + 25' KB)
Well:	Elk Wallow State 11 3H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1 102411	Database:	GCR DB v5000

Checked By: _____ Approved By: _____ Date: _____