

State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
June 16, 2008

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN,
PLUGBACK, OR ADD A ZONE**

¹ Operator Name and Address EOG Resources, Inc. P.O. Box 2267 Midland, TX 79702		² OGRID Number 7377
		³ API Number 30- 015- 38388
⁴ Property Code 38036	⁵ Property Name Elk Wallow 11 State	⁶ Well No. 5
⁹ Proposed Pool 1 Pierce Crossing; Bone Spring, East (96473)		¹⁰ Proposed Pool 2

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
H	11	25S	29E		2200	North	1000	East	Eddy

⁸ Proposed 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

Additional Well Location

¹¹ Work Type Code New Well	¹² Well Type Code SWD	¹³ Cable/Rotary	¹⁴ Lease Type Code State	¹⁵ Ground Level Elevation 3100
¹⁶ Multiple N	¹⁷ Proposed Depth 8000	¹⁸ Formation Bone Spring	¹⁹ Contractor	²⁰ Spud Date 1/15/2011

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17.5	13.375	54.5	625	525	0
12.25	9.625	40	3200	750	0
8.75	4.5	11.6	8000	575	6000

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

This well is being drilled as a frac monitor well and will later be completed as an SWD well.

Double Ram BOP - 3000 psi Working and test pressure.

RECEIVED
DEC 22 2010
NMOCD ARTESIA

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Stan Wagner*
Printed name: **Stan Wagner**
Title: **Regulatory Analyst**

E-mail Address:

Date: **12/21/10** Phone: **432-686-3689**

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: **1/5/2011**

Expiration Date: **1/5/2013**

Conditions of Approval Attached ☐

Permit Information:

Well Name: Elk Wallow 11 State No. 5H

Location:

SL: 2,200' FNL & 1,000' 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	1.10	1.25	1.60
12.25"	0-3,200'	9.625"	40#	J55	LTC	1.10	1.25	1.60
8.750"	0'-8,000'	4.5"	11.6#	L80	BTC	1.10	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
625'	525	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)
3,200'	550	12.7	2.01	Class C + 2% SMS + 0.8% R-3 + 0.25 pps CelloFlake + 0.005 pps Static Free (TOC @ surface)
	200	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
8,000' TOC @ 6000'	575	14.2	1.30	50:50:2 Class 'H' + 0.30% FL-52A + 0.20% CD-32 + 0.35% SMS + 5.00% Salt (2.454 lb/sk) + 0.45% R-3 + 0.005 lb/sk Static Free

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 625'	Fresh - Gel	8.6-8.8	28-34	N/c
625' – 3,200'	Brine	10.0-10.2	28-34	N/c
3,200' – 8,000'	Fresh Water	8.4 – 8.6	28-34	N/c

Elk Wallow 11 State #5

Eddy County, New Mexico

2200' FNL
1000' FEL
Section 11
T-25-S, R-29-E

Proposed Wellbore

KB: 3119.3'
GL: 3100.3'

API: 30-015-

