

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88201
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

HOBBS OCD
JAN 21 2014
RECEIVED

State of New Mexico
Energy, Minerals & Natural Resources

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

Form C-101
June 16, 2008

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
⁴ Property Code 40343	⁵ Property Name Dragon 36 State SWD	³ API Number 30-025-41615 ⁶ Well No. 11
⁹ Proposed Pool 1 SWD; Delaware		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
C	36	24S	33E		720'	North	1760'	West	Lea

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 Rotary	¹⁴ Lease Type Code State	¹⁵ Ground Level Elevation 3521'
¹⁶ Multiple	¹⁷ Proposed Depth 7800'	¹⁸ Formation Delaware	¹⁹ Contractor	²⁰ Spud Date 3/1/2014

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2	13-3/8	54.5	1230	700 C	surface
12-1/4	9-5/8	40	5100	1000 C	surface
8-3/4	7	26	7800	210 C - 400 H	4600'

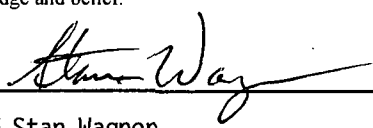
²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Double Ram BOPE, 3000 psi Working / Test Pressure

OIL CONSERVATION DIVISION

CONDITION OF APPROVAL: Approval for drilling/workover
ONLY - CANNOT INJECT/DISPOSE until the Injection/disposal
order has been approved by the OCD Santa Fe office.

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

Signature: 

Printed name: Stan Wagner

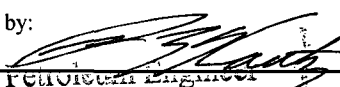
Title: Regulatory Analyst

E-mail Address:

Date: 1/16/2014

Phone: 432-686-3689

OIL CONSERVATION DIVISION

Approved by: 

Title: Petroleum Engineer

Approval Date: 01/23/14

Expiration Date: 01/23/16

Conditions of Approval Attached ☐

8 2014

PM

Permit Information:

Well Name: Dragon 36 State SWD No. 11

Location:

SL: 720' FNL & 1,760' FWL, Section 36, T-24-S, R-33-E, Lea 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 – 1,230'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4,000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4,000' – 5,100'	9.625"	40#	HCK55	LTC	1.125	1.25	1.60
8.750"	0' - 7,800'	7"	26#	HCL80	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
1,230'	500	13.5	1.73	Lead: Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ surface)
	200	14.8	1.34	Tail: Class C + 0.005 pps Static Free + 2% CaCl ₂ + 0.25 pps CelloFlake + 0.005 gps FP-6L
5,100'	800	12.7	2.22	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
7,800' TOC @ 4600'	210	10.8	3.675	60:40:0 Class 'C' + 15.00 lb/sk BA-90 + 4.00% MPA-5 + 3.00% SMS + 5.00% A-10 + 1.00% BA-10A + 0.80% ASA-301 + 2.50% R-21 + 8.00 lb/sk LCM-1
	200	11.8	2.380	50:50:10 Class 'H' + 0.80% FL-52A + 0.50% ASA-301 + 1.30% SMS + 2.00% Salt (2.224 lb/sk) + 0.70% R-21 + 3.00 lb/sk LCM-1 + 0.25 lb/sk Cello Flake
	200	14.2	1.277	50:50:2 Class 'H' + 0.65% FL-52 + 0.20% CD-32 + 0.15% SMS + 2.00% Salt (0.962 lb/sk) + 0.05% R-3

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,230'	Fresh - Gel	8.6-8.8	28-34	N/c
1,230' – 5,100'	Brine	10.0-10.2	28-34	N/c
5,100' – 7,800'	Cut Brine	8.4 – 9.3	28-34	N/c

Dragon 36 State SWD #11
Lea County, New Mexico

720' FNL
1760' FWL
Section 36
T-24-S, R-33-E

Proposed Wellbore
API: 30-025-

KB: 3551'
GL: 3521'

