

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. 1st Street, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised March 17, 1999

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ 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, Texas 79702		² OGRID Number 7377
		³ API Number 30- 025-35078
⁴ Property Code 30941	⁵ Property Name Mayfly 14 State Com	⁶ Well No. 7

⁷ Surface Location									
UL or lot no. A	Section 14	Township 16S	Range 35E	Lot. Idn	Feet from the 330	North/South Line North	Feet from the 330	East/West line East	County 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
⁹ Proposed Pool 1 Shoe Bar; Strawn, North					¹⁰ Proposed Pool 2				

¹¹ Work Type Code A	¹² Well Type Code O/G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3975
¹⁶ Multiple No	¹⁷ Proposed Depth 12578	¹⁸ Formation Strawn	¹⁹ Contractor	²⁰ Spud Date

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	48	494	500	Surface
12 1/4	9 5/8	40	4821	1700	Surface
8 3/4	7	26	12582	575	8160 CBL

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.

* See attached

Permit Expires 1 Year From Approval Date Unless Drilling Underway

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>Stan Wagner</i>		ORIGINAL SIGNED BY	
Printed name: Stan Wagner		Approved by: PAUL F. KAUTZ	
Title: Regulatory Analyst		Title: PETROLEUM ENGINEER	
Date: 9/18/02		Approval Date: DEC 17 2002	Expiration Date:
Phone: 915 686 3689		Conditions of Approval:	
		Attached <input type="checkbox"/>	

RECOMPLETION PROGNOSIS

WELL: Mayfly 14 State Com # 7

OBJECTIVE: Recomplete to Strawn

SURFACE

LOCATION: 330' FNL & 330' FEL Sec 14, Township 16S, Range 35E Lea County

ELEVATIONS: 3,975' GL: 3,992' KB:

CASING: Surface - 494' 13 3/8" H-40 csg Cmt to Surface
Intermediate - 4,821' 9 5/8" 40# J-55 Cmt to Surf
Production - 12,490' 7" 26# N-80/P-110 Cmt'd w/ 575 sxs
TOC @ 8,160' by CBL

TUBING DETAIL:	1 - 7" x 2 7/8" Arrowset 1-X Pkr.	7.25'
	1 - 7" x 2 7/8" on/off tool 2/ 2.25" "F" Profile	1.45'
	338 - 2 7/8" 6.5# N-80 Tbg	10,770.24'
	KB Correction	17.00'
		<hr/> 10,795.84'

PERFS: Cisco: 10,926' - 10,954' 112 holes

PROCEDURE

1. Blow well down to pit prior to workover. Bleed backside if necessary (check for pressure or vacuum). Set one frac tank.
2. Kill well w/ sufficient fresh water to load hole if possible (total volume to perfs – 70 bbls). Establish rate into perforations. Check for backside communication. Bleed off pressure on tubing and/or casing as necessary.
3. MIRU pulling unit. Kill well as necessary with fresh water. Nipple up 7 1/16" 5M BOP's. Unset Arrowset Pkr, POH w/ tubing and packer.
4. TIH with a 7" cement retainer on 2 7/8" 6.5# tubing. Test tubing in hole to 6,000 psi. Pump through retainer, then set @ 10,870'. Unsting from retainer, load and displace entire hole with fresh water. Sting back into retainer.
5. Rig up Halliburton. Establish fresh water rate into Cisco perfs. Squeeze cement Cisco interval as per Halliburton. Attempt to get 2000 psi plus squeeze. Unsting from retainer. Reverse cement out of tubing. POH. SDFN.
6. TIH w/ 6 1/8" bit, sub, collars and 2 7/8" tubing. Drill out retainer and cement past perfs. Test squeeze to 500 psi. If test okay TIH to 11,065'. Drill out 35' cement and CIBP @ 11,100'. TIH w/ bit to 11,500'. Displace hole with 520 bbls 2% kcl water. POH.
7. Rig up Baker Atlas wireline. Perforate 11,332' – 11,388' (56' - 224 holes) w/ 4 1/2" Predator Casing gun in 3 runs. Rig down wireline. TIH w/ 7" Arrowset pkr, on/off tool w/ 2.25" profile and 2 7/8" tubing. Land tubing w/ 15,000 - 20,000 psi compression. Pressure test 5 1/2" annulus to 500 psi. ND BOP's. NU 5M tree.
8. Rig up Tree Saver. Rig up Halliburton. Establish rate into Strawn perforations with 2% KCL water. Acidize pay with 5000 gallons 17% Ferchek SC Acid containing 2 gpt HAI – OS (corrosion Inhibitor), 2 gpt 19N (Surfactant), and 2 gpt SGA-II (Friction Reducer). Inject 200 7/8" SG ball sealers in clusters of 10 throughout the treatment. Flush w/ treated 2% KCL water to bottom perforation. Obtain 5, 10, 15 min shut-in pressures.
9. Flow back for evaluation. Swab if necessary until all load is recovered.
10. Establish 2 -3 day flow rate if possible. Rig up slickline. RIH w/ bombs for flowing gradient. Shut in for 2 day buildup.
11. Retrieve bombs. Put well on production.

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-35078		² Pool Code 56270		³ Pool Name Shoe Bar; Strawn, North	
⁴ Property Code 30941		⁵ Property Name Mayfly "14" State Com			⁶ Well Number 7
⁷ OGRID No. 7377		⁸ Operator Name EOG Resources, Inc.			⁹ Elevation 3971'

¹⁰ Surface Location

UL or lot no. "A"	Section 14	Township 16-S	Range 35-E	Lot Idn	Feet from the 330	North/South line North	Feet from the 330	East/West line East	County Lea
----------------------	---------------	------------------	---------------	---------	----------------------	---------------------------	----------------------	------------------------	---------------

¹¹ 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
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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

16				330' #7 330' GR ELEV 3971'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Stan Wagner</i> Signature Stan Wagner Printed Name Regulatory Analyst Title 9/20/02 Date
	Mayfly "14" State Com				
					18 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. March 6, 2000 Date of Survey <i>Max A. Schumann, Jr.</i> Signature and Seal of Professional Surveyer: Max A. Schumann, Jr. 1510 Job No. 65,620 Certificate Number

EOG Resources, Inc.

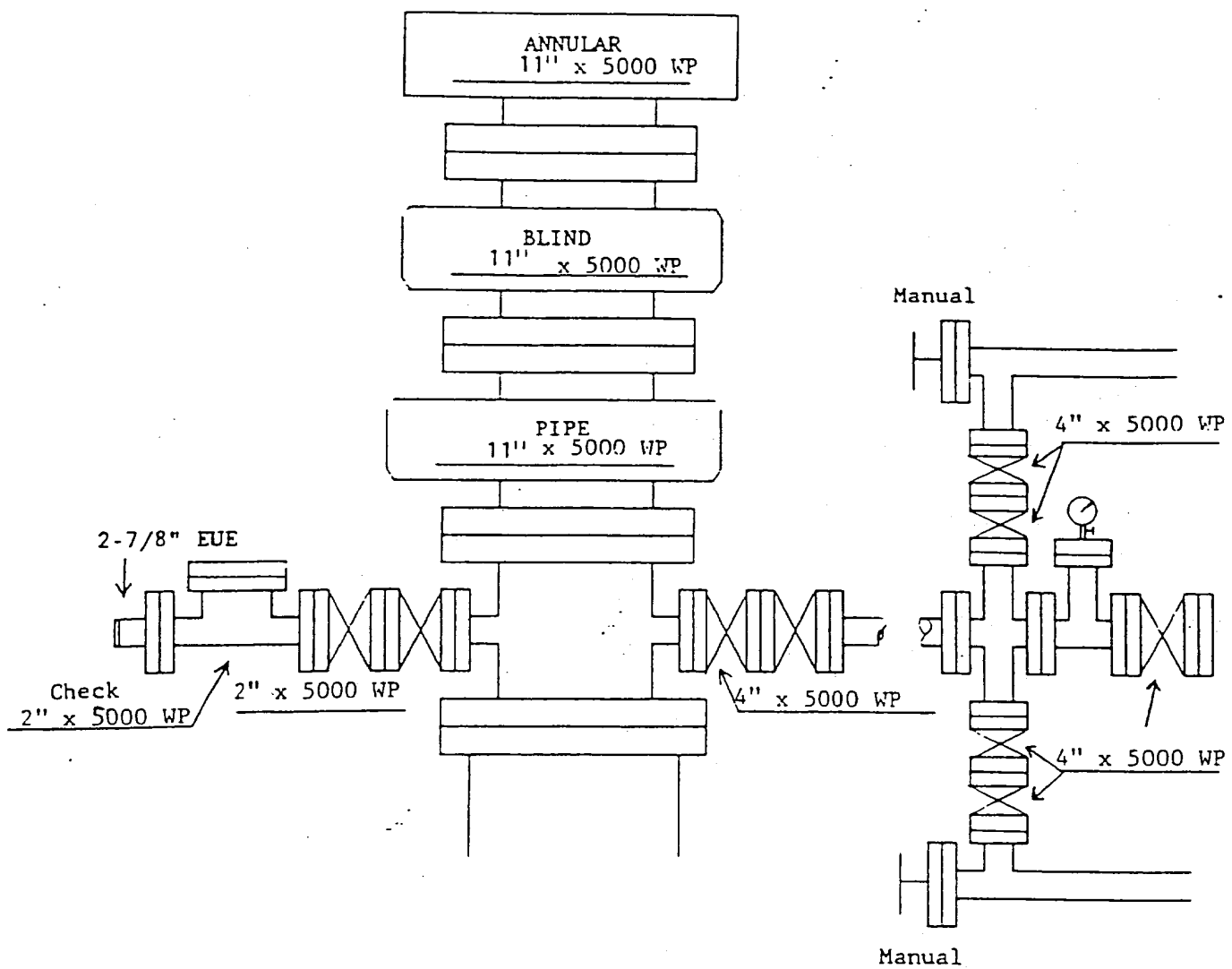


Exhibit 1

