

Submit 3 Copies To Appropriate District
Office
District I
1625 N French Dr., Hobbs, NM 88210
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

Form C-103
June 19, 2008

RECEIVED

OIL CONSERVATION DIVISION

AUG 31 2009

1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBSOCD

WELL API NO. 30-025-34815
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 24636
7. Lease Name or Unit Agreement Name: Mayfly 14 State
8. Well Number 5
9. OGRID Number 7377
10. Pool name or Wildcat Shoe Bar; Strawn, Northwest
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3985' GR

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 ☒

2. Name of Operator
EOG Resources, Inc.

3. Address of Operator
P.O. Box 2267 Midland, TX 79702

4. Well Location
Unit Letter **D** : **330** feet from the **North** line and **530** feet from the **West** line
Section **14** Township **16S** Range **35E** NMPM County **Lea**

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: **Plugback and Squeeze 7" leak** ☒

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.

1. RIH and set 7" CIBP at +/- 10540'.
2. Spot 192' cement plug from +/- 10540' to 10348' with 35 sx Class H, 15.6 ppg, 1.18 yield.
3. Trip out of hole.
4. RIH and locate and repair leaks in 7" casing with previously located leak at 5780'.
5. Shut in to evaluate recompletion potential.

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 8/28/09

Type or print name Stan Wagner E-mail address: _____ PHONE 432.686.3689

For State Use Only

APPROVED BY [Signature] TITLE PETROLEUM ENGINEER DATE SEP 01 2009

Conditions of Approval (if any):

Mayfly "14" State Com No. 5
Lea County, New Mexico
Northwest Shoe Bar
API 30-025-34815
Plug & Abandon the Cisco and Strawn Perforations

Wellbore:

13 38" 48# H40 STC surface casing @ 465'. Cemented to surface.
9 5/8" 40# J55 intermediate casing @ 4,760'. Cemented w/ 1,710 sacks.
Ran 1" to 870' & circulated cement..
7" 23#, 26# 29# production casing set @ 11,475'. TOC @ 9,170'.

Perforations:

Cisco: 10,870' – 10,892'
Strawn: 11,300' – 11,390' overall

Completion Status:

Cisco & Strawn co-mingled.
Well on pump.

History:

Probable 7" casing leak w/ trace of H₂S.

- 7/2/09 Pump stuck. Jarred rods loose. Left parted pull rod & pump in hole. Unable to release TAC.
- 7/6/09 Unable to jar TAC free. Moved 7" uphole.
- 8/13/09 RIH w/ wire line. Located TAC @ 10,775' w/ 15 joints of tubing below TAC then SN. Top of pump @ 11,302' & stuck in seating nipple. RIH w/ free point tools. Tubing stuck @ 10,650'. Free @ 10,584'.
- 8/14/09 **Chemical cut 2 7/8" tubing @ 10,560'**
- 8/15/09 RIH w/ 5 3/4" overshot. Shut down.
- 8/16/09 No activity.
- 8/17/09 No activity.
- 8/18/09 RIH w/ 5 3/4" overshot. **Set down @ 5,814'**. Unable to rotate & wash down. Took 15,000# to pull free. Lay down 5 3/4" overshot. TIH w/ 4 3/4" bit to 10,531'. TOOH.
- 8/19/09 TOOH & lay down 4 3/4" bit. TIH w/ 5 3/4" tapered mill. Unable to circulate. Pump down tubing & annulus. Wash & mill to 5,950'. Tubing stuck. Pulled 30,000# over sting weight. Jarred twice & came free. Reciprocated tubing w/ 1 joint. Pulled free. TOOH.
- 8/20/09 TOOH. Lay down 5 3/4" tapered mill. No marks. TIH w/ 6" bit. **Set down w/ 20,000# @ 5,837'. Washed & drilled 6,131' & fell through.** Established full returns. Circulated bottoms up. Recovered black rubber pieces, LCM & minimal scale. TIH to 10,540'. TOF @ 10,560'. Reverse circulate bottoms up. Recovered 3 gallons of iron sulfide sediments. CO₂ max. 236 ppm. TOOH.

- 8/21/09 FOOH. Normal wear on bit. TIH w/ 5 3/4" overshot. Tagged @ 10,540'. Unable to get over TOF. Pick up power swivel. Established circulation. Wash over & latch onto fish @ 10,560'. Set off jars w/ 100,000# pull. Pulled loose. Had additional 4,500# string weight. Able to go down hole 15'. Washed 4 full joints out of hole. TOO H without washing.
- 8/22/09 FOOH. No recovery. No marks on grapple or O.D. of overshot. TIH w/ 4 11/16" overshot. Tagged @ 10,561'. Pick up power swivel. Reverse circulate. Set down to wash over fish & immediately plugged overshot. Unable to clear tubing w/ 4,000 psi.
- 8/23/09 TOO H pulling wet. Found large quarter size pieces of shale like rocks had plugged jars & 1 joint of 2 7/8" tubing. TIH w/ 7" casing scraper to 7,653'. No indications of scraping casing. Picked up & tubing was stuck from above. Pulled 90,000# & tubing slowly came free after working tubing 12' up hole. TOO H. Lay down casing scraper. No marks on scraper.
- 8/24/09 TIH w/ 7" packer. **Set packer @ 5,797'**. Load annulus w/ 67 barrels fresh water. **Began pumping into annulus @ 4 bpm W 300 psi.** Reset packer @ 5,735'. Tested annulus to 1,000 psi w/ no leak off. Reset packer @ 5,767'. Test annulus to 1,000 psi. **Established top of hole @ 5,780'**. POOH. LD work string.
- 8/25/09 ND BOP's. NU 900 series 3,000 psi flange w/ valve. Rig down.

Fish:

1/2 joint of 2 7/8" 6.50# N80 EUE tubing
 6 joints of 2 7/8" 6.50# N80 EUE tubing
 7" TAC
 15 joints of 2 7/8" 6.50# N80 EUE tubing
 Seating nipple w/ pump stuck inside

Procedure:

1. Rig up wireline. Run in the hole with a 5.71" gauge ring / junk basket to the top of the 2 7/8" tubing fish @ 10,560'. Run in the hole with a 7" 29# 10,000 psi Cast Iron Bridge Plug (HES running O.D. 5.610"). Tag the top of the fish @ 10,560'. Pick up & set the CIBP @ +/-10,540'. Top Cisco perforation is at 10,870'.
2. TIH w/ collar & 2 7/8" tubing. Tag the CIBP @ +/-10,540'.
3. Spot a 192' cement plug from +/-10,540' to 10,348' with 35 sacks (7.375 barrels) of Class "H" cement mixed @ 15.6 ppg. Yield 1.18 cf/sk. BHT 150 degrees @ 11,475'.
4. Trip out of the hole.
5. Continuing operations will be to locate, squeeze & pressure test the hole(s) in the 7" casing with the top leak previously located at 5,780'.
6. An upper interval is being evaluated for recompletion after plugging and abandoning the Strawn & Cisco and the squeezing the 7" casing leak.

WELL STATUS MAYFLY "14" STATE COM #5



LOCATION: 330' FNL & 530' FWL
SEC. 14, T-16-S, R-35-E
LEA COUNTY, NEW MEXICO

ELEVATION: 3985' GL, 4001' KB

TREATMENT HISTORY

02-08-00 SPOT 350 GALS 15% NEFE HCL @ 11,395'
02-09-00 PERF STRAWN @ 11,300', 11,302', 11,304',
11,306'-11,340' (1 SPF, 35 HOLES) AND 11,342'-
11,390' (1 SHOT, 25 HOLES). TOTAL 63 HOLES.
02-10-00 FLWING 368 BO+26 BW+1064 MCF ON 18/64" CK
FTP 1200#.
02-12-00 ACIDIZE FROM 11300-11390 W/10000 GALS
ZC GELLED ACID W/126 BS.
02-16-00 SET RBP @ 10,992'. SPOT 200 GALS 15% NEFE @
10900'
02-17-00 PERF CISCO @ 10,870'-10,892' (44 HOLES)
BRK DWN FRM W/ACID ON SPOT.
02-21-00 ACIDIZE FROM 10,870'-10,892' W/8000 GALS 15%
HCL ZONAL W/20 BS.
02-26-00 ACIDIZE FROM 10870-10892 W/10,000 GALS 15%
FERCHER SC ACID W/80 BS.
06-02-00 PLACED BOTH ZONES ON GAS LIFT W/PKR @
10,809'.

FIELD: NORTHWEST SHOE BAR STRAWN
API #: 30-025-34815

SPUDDED: 12-31-99
COMPLETED: 02-05-00

13 3/8, 48#, H-40 ST&C CSG @ 465'
CMTD W/500 SX CL C

9 5/8", 40#, CSG @ 4760'
CMTD W/1710 SX CMT. RAN 1" TBG TO 870'.
RAN 1" AND CMTD W/400 SX CMT TO SURF.

← Casing leak top @ 5,780'

← TOC @ 9170'

100% free @ 10,584'
30% stuck @ 10,618'
100% stuck @ 10,650'

Tbg. cut off @ 10,560'

TAC @ 10,775' (WL)

← 2 7/8" 6.50# N80 EUE tubing

} PERFS FROM 10,870'-10,892'
TOTAL OF 44 HOLES

CISCO

} PERFS FROM 11,300'-11,390'

STRAWN

PBTD @ 11,433'

TD @ 11,475'

7" 23&26&29# CSG @ 11,475'
CMT W/360 SX CL H.

