

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

| |
|---|
| WELL API NO. 30-045-34700 |
| 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No. E-178 |
| 7. Lease Name or Unit Agreement Name Northeast Blanco Unit |
| 8. Well Number 354E |
| 9. OGRID Number 000778 |
| 10. Pool name or Wildcat Basin Dakota |

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
BP America Production Company

3. Address of Operator
737 North Eldridge Pkwy, 12.181A
Houston, TX 77079

4. Well Location
Unit Letter G: 1680 feet from the North line and 1905 feet from the East line
Section 32 Township 31N Range 07W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6388'

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 ☐
CLOSED-LOOP SYSTEM ☒
OTHER: **Perform Diagnostic Fracture Injection Test (DFIT) on the Mancos formation to obtain reservoir properties data** ☒

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

BP America Production Company respectfully requests to perform Diagnostic Fracture Injection Test (DFIT) on the Mancos formation to obtain reservoir properties data

Notify NMOCD 24 hrs
prior to beginning operations OIL CONS. DIV DIST. 3

Please see attached procedure.

Spud Date: 08/25/2008

Rig Release Date: JUN 06 2016

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

SIGNATURE Toya Colvin TITLE Regulatory Analyst DATE 06/03/2016

Type or print name Toya Colvin E-mail address: Toya.Colvin@bp.com PHONE: 281-892-5369

For State Use Only

APPROVED BY: [Signature] TITLE DEPUTY OIL & GAS INSPECTOR DATE 6/10/2016

Conditions of Approval (if any):

Notify NMOCD
24 hours
prior to MIT

Follow rule 19.15.25.14 for MIT

NEBU 354E
API #: 30-045-34700
Unit G - Sec 32 - T31N - R07W

Reason/Background for Job

The objective of this operation is to perform Diagnostic Fracture Injection Test (DFIT) on the Mancos formation to obtain reservoir properties data

Basic Procedure

1. Pull tubing
2. Run scraper
3. Set RBP w/ downhole gauges @ $\pm 7740'$
4. MIT casing
5. Perforate selectively $\pm 7048 - 7102'$ *
6. Perform DFIT – inject 10 – 20 bbls of water @ 1 – 2 bpm
7. Set RBP w/ downhole gauges @ $\pm 7028'$
8. Perforate $\pm 6823 - 6836'$ *
9. Perform DFIT – inject 10 – 20 bbls of water @ 1 – 2 bpm
10. Set RBP w/ downhole gauges @ $\pm 6800'$
11. Shut in well for 15 – 20 days
12. Retrieve BP @ $\pm 6800'$ and DH gauges
13. Retrieve BP @ $\pm 7028'$ and DH gauges
14. Retrieve BP @ $\pm 7740'$ and DH gauges
15. RIH and set composite BP @ $\pm 7700'$
16. RIH and set casing patches to isolate Mancos perforations *
 - The patch will be either
 - Solid Expandable System – manufacturer data
 - ID after expansion 3.70"
 - Burst press rating 13,133 psi for 0.75" perf or 19,700 psi for 0.50" perf
 - Collapse press 2,500 psi
 - Or
 - X-SPAN System – manufacturer data
 - ID after setting 3.375"
 - Burst hydraulic 8,000 psi
 - Collapse hydraulic rating 6,600 psi
 - 17. MIT casing to ± 500 psi
 - 18. Mill out composite BP @ $\pm 7700'$
 - 19. Return well to production

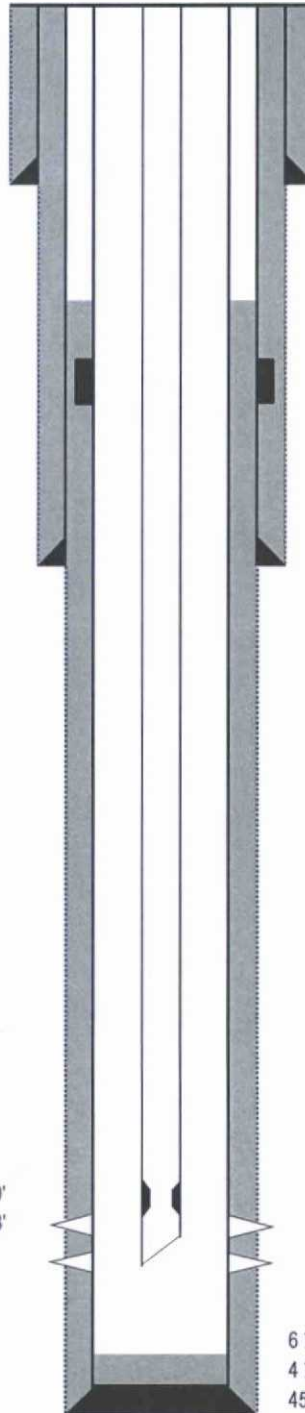
* - actual perforated interval and patch length will be reported in the post operations report

Current WBD



NEBU 354E
DK
API #: 30-045-34700
Unit G - Sec 32 - T31N - R07W
San Juan, NM

GL 6388'
KB 16.5'



12 1/4" hole
9 5/8" 32.3# H40 @ 302'
225 sx
TOC @ surf (circ)

DV Tool @ 2866'

8 3/4" hole
7" 23# J55 @ 3540'
210 sx / 590 sx
TOC @ surf (circ)

| <u>Tbg string</u> | <u>Length (ft)</u> |
|---------------------------------|--------------------|
| MS, 2 3/8", #4.7, J55 | 1 |
| Tbg, 2 3/8", #4.7, J55, 1 jt | 32 |
| F Nipple 2 3/8" / 1.78" | 1 |
| Tbg, 2 3/8", #4.7, J55, 246 jts | 7834 |

F Nipple @ 7850'
EOT @ 7883'

DK Perfs (4spf, 0.34")
7791 - 7792' 7834 - 7835'
7844 - 7845' 7872 - 7873'
7889 - 7890' 7900 - 7901'
frac w/ 73K gal & 57K # 20/40

6 1/4" hole
4 1/2" 11.6# J55 @ 7932'
458 sx
TOC @ 2700'

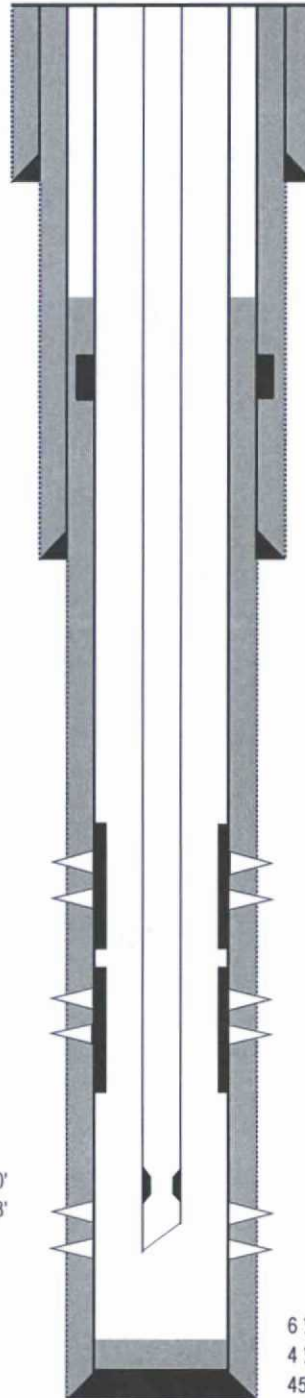
PBTd 7922'
TD 7932'

Proposed WBD



NEBU 354E
DK
API #: 30-045-34700
Unit G - Sec 32 - T31N - R07W
San Juan, NM

GL 6388'
KB 16.5'



12 1/4" hole
9 5/8" 32.3# H40 @ 302'
225 sx
TOC @ surf (circ)

DV Tool @ 2866'

8 3/4" hole
7" 23# J55 @ 3540'
210 sx / 590 sx
TOC @ surf (circ)

MA ± 6823 - 6836', 1 spf

MA ± 7048 - 7102', 1 spf

DK Perfs (4spf, 0.34")

| | |
|--------------|--------------|
| 7791 - 7792' | 7834 - 7835' |
| 7844 - 7845' | 7872 - 7873' |
| 7889 - 7890' | 7900 - 7901' |

frac w/ 73K gal & 57K # 20/40

F Nipple @ ± 7850'
EOT @ ± 7883'

6 1/4" hole
4 1/2" 11.6# J55 @ 7932'
458 sx
TOC @ 2700'

PBTD 7922'
TD 7932'

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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 July 16, 2010
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|--|--|--|--|---|---|
| ¹ API Number 30-045-34700 | | ² Pool Code 97232 | | ³ Pool Name Basin Mancos | |
| ⁴ Property Code 013325 | | ⁵ Property Name Northeast Blanco Unit | | | ⁶ Well Number 354E |
| ⁷ OGRID No. 000778 | | ⁸ Operator Name BP America Production Company | | | ⁹ Elevation 6388 |

¹⁰ Surface Location

| | | | | | | | | | |
|---------------------------|----------------------|------------------------|---------------------|---------|------------------------------|----------------------------------|------------------------------|-------------------------------|---------------------------|
| UL or lot no. G | Section 32 | Township 31N | Range 07W | Lot Idn | Feet from the 1680 | North/South line North | Feet from the 1905 | East/West line East | County San Juan |
|---------------------------|----------------------|------------------------|---------------------|---------|------------------------------|----------------------------------|------------------------------|-------------------------------|---------------------------|

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 319.67 | | 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.

| | | | | | |
|--|--|---|--|---|--|
| <p>16</p> <p>OIL CONS. DIV DIST. 3</p> <p>JUL 05 2016</p> | | <p>1680'</p> <p>1905'</p> | | <p>17 OPERATOR CERTIFICATION</p> <p><i>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.</i></p> <p><i>Toya Colvin</i> 4/30/16 Signature Date</p> <p>Toya Colvin Printed Name</p> <p>Toya.Colvin@bp.com E-mail Address</p> | |
| | | | | <p>18 SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> | |
| | | | | <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> | |
| | | | | <p>Previously Filed</p> <p>Certificate Number</p> | |