Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

| I C I M- | · · · · · |
|-----------------|-----------|
| Expires: July 3 | 1, 201 |
| OMB NO. 100 | 4-013 |
| FURM APPRO | ラVEL |

OCD Hobbs

| | Expires: July 31, 2010 |
|----|---------------------------------|
| 5. | Lease Serial No. NMLC029405B |

| SUNDRY Do not use thi abandoned wel | | 5. Lease Serial No. NMLC029405E6. If Indian, Allottee | | | | |
|--|--|--|---|--|---|--|
| SUBMIT IN TRI | | 7. If Unit or CA/Agr | eement, Name and/or No. | | | |
| Type of Well | | 8. Well Name and No RUBY FEDERAL | | | | |
| 2. Name of Operator CONOCOPHILLIPS COMPAN | Contact: IY E-Mail: Susan.B.N | faunder@conoc | UNDER CO | j | 9. API Well No. 30-025-40394- | 00-S1 * |
| 3a. Address MIDLAND, TX 79710 | | 3b. Phone No. Ph: 281-200 | (include area code 6-5281 68 20 | 34 | 10. Field and Pool, o MALJAMAR | r Exploratory |
| 4. Location of Well (Footage, Sec., T. | , R., M., or Survey Description | i) | - 400 - | | 11. County or Parish | , and State |
| Sec 17 T17S R32E SWSE 11 | 40FSL 2310FEL • | | RECEIV | ED | LEA COUNTY | , NM |
| 12. CHECK APPI | ROPRIATE BOX(ES) TO | O INDICATE | NATURE OF | NOTICE, RE | PORT, OR OTHE | ER DATA |
| TYPE OF SUBMISSION | | | ТҮРЕ С | OF ACTION | | |
| ☑ Notice of Intent ☐ Subsequent Report | ☐ Acidize ☐ Alter Casing | . – | ure Treat | ☐ Reclama | | ☐ Water Shut-Off ☐ Well Integrity |
| | Casing Repair | | Construction | ☐ Recompl | | |
| ☐ Final Abandonment Notice | ☐ Change Plans | _ | and Abandon | | rily Abandon | ng |
| | ☐ Convert to Injection | ☐ Plug | Back | ☐ Water Di | sposal | |
| 13. Describe Proposed or Completed Op If the proposal is to deepen directions Attach the Bond under which the wor following completion of the involved testing has been completed. Final Al determined that the site is ready for f | ally or recomplete horizontally, it will be performed or provide l operations. If the operation re- pandonment Notices shall be fil- inal inspection.) | give subsurface lethe Bond No. on esults in a multiple led only after all r | ocations and meas file with BLM/BI completion or rec equirements, inclu | sured and true ver A. Required subscompletion in a no iding reclamation, | tical depths of all pert sequent reports shall b ew interval, a Form 31, have been completed | inent markers and zones. e filed within 30 days 60-4 shall be filed once |
| ConocoPhillips Company resp according to procedures outlin Recompletion? | pectfully requests approva- ned in the attached docur | nent entitled, 🤅 | Commingle pi Procedure: GE C-4680 | B, SA & Yeso | is well 7 Sep. C | OA |
| Our intent is to commingle the information will be used to cor entitled, ?Field Study: Maljam 23, 2014?. Please refer to this | nfirm our allocation discus ar-Yeso West and Grayb | nmediately foll ssed in the pre urg-San Andre | owing a production viously submitted to the submitted to | ction test. The ted document | April | ROVED |
| CO | E ATTACHED FO | R | | · | \ Vork | Ferra 2014 |
| | | | | <u></u> | -\-\-' | MAGEMENT |
| 14. I hereby certify that the foregoing is Co Name (Printed/Typed) SUSAN B | Fire and correct. Electronic Submission # For CONOCO mmitted to AFMSS for pro MAUNDER | 249548 verified PHILLIPS CO ocessing by C | by the BLM WellPANY, sent to THY QUEEN on | ell Information the Hobbs 1 06/19/2014 (14 | System 4CQ014SEBUREA | J OF LAND MANAGEMENT RISBAD FIELD OFFICE RISBAD FIELD OFFICE |
| | 110 10115-11 | | OE, III | JATAL OOL, | OTT OIL COLLEGE | |
| Signature (Electronic S | Submission) | | Date 06/13/ | 2014 | | |
| | THIS SPACE F | OR FEDERA | L OR STATE | OFFICE US | SE . | |
| _Approved_ByEDWARD_FERNAN | DE <u>Z</u> | | TitlePETROL | EUM ENGINE | ER | Date 08/05/2014 |
| Conditions of approval, if any, are attache certify that the applicant holds legal or eq which would entitle the applicant to cond | uitable title to those rights in th | s not warrant or e subject lease | , Office Hobbs | | Ka | <u>/</u> |
| Title 18 H.S.C. Section 1001 and Title 43 | U.S.C. Section 1212 make it a | crime for any ne | rson knowingly an | nd willfully to ma | ke to any department | or agency of the United |

Fitle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Additional data for EC transaction #249548 that would not fit on the form

32. Additional remarks, continued

COPC will include an updated allocation with the subsequent report. Furthermore, COPC will update our field study to include an economic summary of the commingled production and submit separately.

Attached supporting documents include:
- Procedure: GB, SA & Yeso Recompletion
- Wellbore Diagram

- C-102 for each zone to be commingled
 BLM? Downhole Commingling Worksheet
 Email from NM OCD approving our Downhole Commingle request.

Thank you for your time in reviewing this request. Your efforts are appreciated.



Procedure: GB, SA & Yeso Recompletion

. PLEASE USE NEW DOWNHOLE EQUIPMENT

- 127 joints 2-7/8", 6.5lb/ft, j-55 grade
- 80 joints sucker rod 7/8" SPCL APP
- 69 joints sucker rod 3/4" SPCL APP
- 14 joints sinker bar 1 1/2" Grade C
- 1 rod insert pump Don-nan sand Diverter 1 3/4"
- 1. Before the arrival of the rig, kill the well with fresh water (turn off BPU)
- 2. Before the frac date spot 14 clean 500 bbl frac tanks
- 3. Make sure project supervisor has casing collar log on location
- 4. Conduct safety meeting with JSA with all personnel and contractors on location
- 5. Nipple down well head, Rig up pulling unit.
- 6. Pull out of hole with rods & pump, inspect rods for wear. send rods to TRC for inspection & pump to Don nan. Inspection report to be sent to Michael.Sendze@conocophillips.com, contact: 432 238 7537
- 7. Nipple up BOP, & pull out of hole with production tubing, laying down tubing on tubing racks. send tubing to tuboscope for inspection. Inspection report to be sent to Michael.Sendze@conocophillips.com, contact: 432 238 7537
- 8. Pick up & Run in hole with 173 joints of 2-7/8", 6.5#, N-80 work string,4-3/4" bit and bit scrapper to 5400ft
- 9. Pull out of hole with work string and bit
- 10. Pick up & Run in hole with work string & 10K composite BP. Set BP at 5400ft. (upper most paddock perforation: 5415ft). Test work string to 6500 psi running in the hole. Check casing collar logs to make sure we don't set BP on a collar.
- 11. Circulate well to PBD=5400ft with fresh water down 5-1/2", 17#, L-80 casing
- 12. Close pipe rams and Test Bridge plug to 4800 psi surface pressure. If it holds then proceed.
- 13. Raise work string to 5200ft

- Spot 1000 gals of 15% NE Fe HCL Acid colum (4200ft-5200ft) perfs (4765ft-5130ft)
- 15. Rig up SLB perforating Services
- 16. Pull out of hole laying down work string, rig down and release rig.
- 17. Perforate at the below depths perforate at the uppermost perfs first

Perforating gun required: 3-3/8 "SLB power jet HMX 3406 22.7g EHD 0.36"

| zone | top | bottom | feet | SPF | phase angle | shots |
|------|------|--------|------|-----|-------------|-------|
| SA10 | 4779 | 4795 | 16 | 1 | 60 | 16 |
| SA10 | 4818 | 4830 | 12 | 1 | 60 | 12 |
| SA10 | 4857 | 4865 | 8 | 1 | 60 | 8 |
| SA10 | 4880 | 4888 | 8 | 1 | 60 | 8 |
| SA10 | 4923 | 4940 | 17 | 1 | 60 | 17 |
| SA10 | 4990 | 4994 | 4 | 1 | 60 | 4 |
| SA10 | 5027 | 5040 | 13 | 1 | 60 | 13 |
| SA10 | 5080 | 5089 | 9 | 1 | 60 | 9 |
| SA10 | 5096 | 5102 | 6 | 1 | 60 | 6 |
| SA10 | 5112 | 5125 | 13 | 1 | 60 | 13 |
| SA10 | 5145 | 5158 | 13 | 1 | 60 | 13 |
| SA10 | 5172 | 5192 | 20 | 1 | 60 | 20 |

- 18. Rig down SLB perforating services
- 19. Pump 35 bbl of fresh water down 5-1/2", 17#, L-80 casing. Record ISIP, SITP 5 mins, 10 mins, 15 mins
- 20. Nipple up 10K Frac stack and Halliburton Frac Service provider
 - Set treating lines pop off 4800 psi
 - Set pump trips

4500 psi

Test surface lines

5500 psi

| | | | Ca | sing (Surfac | :e) | | | , , |
|-----------|-------------------------|-----------|----------------------------------|-------------------|------------|--------------------------------------|-------------------|------------|
| Trt-Stage | Stage Desc. | Flow Path | Fluid Desc. | Rate- Lig+Prop | Clean Vol. | Proppani | Proppant Conc. | Prop. Mass |
| 1-1 | Load Well | IN | Treated Water | 5 | 590 | | 0 | 0 |
| 1-2 | Acid Ball Out | IN | 15% Ferchek SC Acid (0.3%) | 20 | 5000 | | D | O |
| 1-3 | Displacement | IN | Treated Water | 20 | 6500 | | 0 | 0 |
| 1-4 | Pad | IN | Deltá Frác 140 - R (17) | 50 | 4080 | | , O | 0 |
| 1-5 | Proppent Laden Fluid | IN | Deita Frac 140 - R (17) | 50 | 8000 | . Common White-100 Mesh, SSA-2 | 0.25 | 2000 |
| 1-€ | Pad | lN. | Deita Frac 148 - R (17) | 50 | 3080 | | 0 | 0 |
| 1-7 | Proppani Lacen Fluid | M | Delta Frac 140 - R (17) | 50 | 12000 | Premium White-20/40 | 0.5 | 6000 |
| 1-8 | Proppant Laden Fluid | IN | Deita Frac 140 - R (17) | - 50 | 11900 | Premium Walte-20/40 | 1 | 11000 |
| 1-9. | Proppant Lacen Fluid | IN | Deita Frac 140 - R (17) | 50 | 16000 | Premium White-29/40 | 2 | 20000 |
| 1-10 | Proppant Laden Fluid | · IN | Delta Frac 148 - R (17) | 50 | 9000 | Premium White-20/40 | . 3 | 27000 |
| 1-11 | Proppant Laden Fluid | IN | Deita Frac 140 - R (17) | . 50 | 9000 | Premium White-20/40 | 4 | 36000 |
| 1-12 | Proppant Laden Fluid | IN | Deita Frac 140 - R (17) | 50 | 5200 | Premium White-20/40 | 5 | 26000 |
| 1-13 | Proppont Laden Fluid | IN | Deita Frac 140 - R (17) | 50 | €460 | CRC-20/40 | 5 | 32000 |
| 1-14 | Flush | IN | Water Frac G - R (8) | 50 | 4830 | | 0 | Ó |
| Totals | | | | | 94430 | | | 169000 |

| Casing (Surface) | | | | | | | | | | |
|------------------|-------------------------|-----------|----------------------------------|-------------------|--------------|------------------------------------|-------------------|------------|--|--|
| Trt-Stage | Stage Desc. | Flow Path | Fluid Desc. | Rate- Lig+Prop | Clean Vol. | Proppant | Proppant Conc. | Prop. Mass | | |
| 1-1 | Load Well | IN | Treated Water | 5 | 5 0 0 | | . 0 | C | | |
| 1-2 | Acid Ball Out | IN | 15% Ferchek SC Acid (0.3%) | 20 | 5000 | | D | 0 | | |
| 1-3 | Displacement | IN | Treated Water | 20 | 6508 | | 0 | 0 | | |
| 1-4 | , Pad | IN | Deita Frac 140 - R (17) | 50 | 4600 | | Ð | G | | |
| 1-5 | Proppart Laden Fluid | IN | Delta Frac 140 - R (17) | 50 | 8000 | Common Wsite-100 Mesh, SSA-2 | 0.25 | 2000 | | |
| 1-6 | Pad | IN | Delta Frac 140 - R (17) | 50 | 3000 | | 0 | -0 | | |
| 1-7 | Proppant Laden Fluid | IN | Delta Frac 140 - R (17) | 50 | 12000 | Premium Waite-20/40 | 0.5 | 6000 | | |
| 1-8 | Proppant Lagen Fluid | IN | Deita Frac 140 - R (17) | 50 | 11009 | Premium Wsite-20/40 | 1 | 11900 | | |
| 1-9 | Proppant Laden Fluid | IN | Delta Frac 140 - R (17) | 50 | 10000 | Premum White-20/40 | 2 | 20000 | | |
| 1-6D | Proppant Lacen Fluid | 1N | Deita Frac 140 - R (17) | 50 | 9000 | Premium Waits-20/40 | 3 | 27000 | | |
| 1-11 | Proppant Laden Fluid | IN | Delta Frac 140 - R (17) | 50 | 9000 | Premium White-20/40 | 4 | 36000 | | |
| 1-12 | Proppant Laden Fluid | 11/1 | Deita Frac 140 - R (17) | 50 | 5200 | Premium Write-20/40 | 5 | 26000 | | |
| 1-13 | Proppana Laden Fluid | IN . | Deita Frac 140 - R (17) | 50 | €400 | CRC-20/40 | 5 | 32000 | | |
| 1-14 | Flush | IN | Water Frac G - R (8) | 50 | 4830 | | 0 | 0 | | |
| Totals | | | | | 94430 | | | 160000 | | |

- 22. Record ISIP,5 min, 10 min and 15 mins in well view
- 23. Rig down frac service provider (Halliburton).
- 24. Let resin coated sand (CRC-20/40) sit for 24 hours till we flow back

- 25. Flow back the well till its dead
- 26. Move in with Rig and Rig up
- 27. Pick up & Run in hole with 4-3/4" bit & 174 joints of 2-7/8", N-80, 6.5lb/ft work string, clean out any sand to PBD=5400ft with fresh water
- 28. Pick up & Run in hole with New 2-7/8 J-55 production tubing & new static sparktek pressure gauge. Test production tubing to 5000 psi. pump 5 gal of corrosion inhibitor (champion-cortonR-2525; SG 0.91)
- 29. Nipple down BOP, Run in hole with new rods & pump. (see pre-pull attached on the next page)
- 30. In case of any problems with Sparktek gauge contact Eby Bothe (432)-580-8200 with precision pressure data
- 31. Space out pump, hang well on, Turn on BPU & Test pump action; wait for tubing to pressure up then shut down pump. Rig down & Release rig
- 32. Shut in well for 48 hours.
- 33. Start well, run well for 60 days, well will be pulled in 60 days. Another procedure and prepull will be sent out for that.
- 34. Place well on test
- 35. please obtain static & producing fluid level put data in advocet

Proposed Rod and Tubing Configuration RUBY FEDERAL 02

| _ | VERTICAL - Original Hole, 4/22/2014 4:38:06 PM Tubing Description Set Depth (ftKB) | | | | | | | | B) | |
|--------|--|---|------------------------------|---------------------------------------|---------------|---------------|--------------------|-------------|----------------------|-----------------------|
| D | | , 4/20/2014 4.30.00 FM | proposed Tubing - Production | | | | | | 1 | 5,293.0 |
| (ft | | | OD Nomin | | | Nominal ID | | | 1 (0) | Die MICD |
| B) | | Vertical schematic (proposed) | Jts 147 | Tubing | (in) 2 7/8 | (in) 2.441 | Wt (Ib/ft) 6.50 | | Len (ft) 4,643.70 | 8tm (ftKB) 4,657.7 |
| " | 2-3; Casing Hanger (Fluted); 8 5/8; 8.097; 14.0; 2.08 | 5-2; Sucker Rod; 7/8; 26.6; | 1 | Tubing Marker Sub | 2 7/8 | 2.441 | 6.50 | J-55 | 8.00 | 4,665.7 |
| - | 3-3; Casing Hanger | 2,675.00 3-1; Tubing; 2 7/8; 2.441; 14.0; 4,643.70 | 2 | Tubing | 2 7/8 | 2.441 | 6.50 | J-55 | 62.86 | 4,728.5 |
| " | (Fluted); 5 1/2; 4.892; 14.0; 2.85 | 5-3; Sucker Rod; 3/4; 2,701.6; 2,175.00 | 1 | Anchor 5 1/2 X 2 7/8 | 4.89 | 2.441 | | | 2.75 | 4,731.3 |
| | 2-4; Casing Pup Joint; 8 5/8; 8.097; | 3-2; Tubing Marker Sub; 2 7/8: 2.441; 4.657.7; 8.00 | 14 | Tubing | 2 7/8 | 2.441 | 6.50 | J-55 | 450.00 | 5,181.3 |
| | 16.1; 3.38 3-4; Casing Pup | 3-3; Tubirg; 2 7/8; 2.441; 4.665.7; 62.66 3-4; Anchor 5 1/2 X 2 7/8; | 1 | Tubing TK-99 | 2 7/8 | 2.441 | 6.50 | J-55 | 31.50 | 5,212.8 |
| | Joint; 5 1/2; 4.892; | 4.89; 2.441; 4,728.5; 2.75 Perforated; 4,779.0- 4,795.0; 4/11/2014 | 1 | Pump Seating Nipple | 2 7/8 | 2.280 | | | 1.10 | 5,213.9 |
| | 1-1; Casing Joints; 10; 15.250; 14.0; | Perforated; 4,818.0- 4,830.0: 4/11/2014 | 1 | Cavin Desander D2711-G | 2 7/8 | (| | | 19.50 | 5,233.4 |
| | 81.00 2-5; Casing Joints; | Perforated; 4,857.0- 4,885.0; 4/11/2014 Perforated; 4,880.0- | 2 | 2 7/8 Fiberglass | 2 7/8 | 2.280 | | | 59.00 | 5,292.4 |
| 1 | 8 5/8; 8.097; 19.5; 724.98 | 4,888.0; 4/11/2014 5-4; Sinker Bar, 1 1/2; | | tubing | 2110 | 2.200 | | | 33.00 | 3,232.4 |
| | 2-6; Float Collar; 8 5/8; 8.097; 744.4; | 4,876.8; 50.00 5-5; Pony Rod Guided; 7/8; 4,926.6; 2,00 | 1 | Bull Plug | 2 7/8 | | | | 0.60 | 5,293.0 |
| | 1.51 | Perforated; 4,923.0- 4,940.0; 4/11/2014 | | · · · · · · · · · · · · · · · · · · · | | · | | | <u> </u> | |
| | 2-7; Casing Joints; 8 5/8; 8.097; 746.0; | 14.928.6: 50.00 | | | | | | | | Î |
| | 43.15 2-8; Gulde Shoe; 8 | 3-5; Tubing; 2 7/8; 2.441; 4,731.3; 450.90 5-7; Pony Rod Guided; 7/8; | | | | | | | | ŀ |
| | 5/8; 8.097; 789.1; 0.70 | 4,976.6; 2.00 Parforated; 4,990.0- 4,994.0; 4/11/2014 | | | | | | | | |
| | 3-5; Casing Joints; 5 1/2; 4.892; 20.7; | 5-8; Sinker Bar, 1 1/2; | | • | | | • | | | ĺ |
| 19011 | 5,226.59 3-6; Double Marker | 4,950.6; 50.00 5-9; Porry Rod Guided; 776; 5,030.6; 2,00 Perforated; 5,027.0- 5,040.4 11/1/2014 | | | | | | | | |
| | Joint; 5 1/2; 4.892; 5,247.3; 43.66 | 5-10; Sinker Bar; 1 1/2; | Rod Da | scription | | | | | Set Depth (fi | KB) |
| | Perforated; 5,415.0 | 5,032.6; 50.00 5-11; Pony Rod Guided; 7/8; 5,082.6; 2.00 | | ed Rod | | | | | Get Bopti (ii | 5,213.0 |
| . | -5,435.0; 6/12/2012 Perforated; 5,456.0 | Perforated, 5,080.0- 5,089.0; 4/11/2014 | Jts 1 | Item Des Polished Rod SM | | OD (in) | API Grad | e | Len (ft) 26.00 | 8tm (ftKB) 26.6 |
| J., | 9.5,466.0; 6/12/2012 Perforated; 5,510.0 | Ferforated; 5,096.0- 5,102.0; 4/11/2014 5-12; Sinker Bar; 1 1/2; | ' ! | Sucker Rod | | 7/8 5 | SPCL | ļ | 2,675.00 | 2,701.6 |
| | -5,520.0; 6/12/2012 Perforated; 6,109.0 | 5,084.6; 50.00 Perforated; 5,112.0- | | | | P | /PP | | | |
| | -6,129.0; 6/11/2012 3-7; Casing Joints; | 5.125.0; 4/11/2014 ; 5-13; Pony Rod Guided; 7/8; 5.134.6; 2,00 | 87 | Sucker Rod | 1 | 3/4 5 | PCL PP | | 2,175.00 | 4,876.6 |
| | 75 1/2; 4.892; 5,290.9; 1,885.10 | Perforated; 5,145.0- 5 158.0: 4/11/2014 | 2 | Sinker Bar | | 1 1/2 | | | 50.00 | 4,926.6 |
| | Perforated; 6,288.0 — /-6,308.0; 6/11/2012 | 5-14; Sinker Bar; 1 1/2; 5.136.6; 50.00 Perforated; 5,172.0- | | Pony Rod Guided | ĺ | 7/8 | | | 2.00 | 4,928.6 |
| ,,,, | Perforated; 6,504.0 -6,524.0; 5/25/2012 | 5,192.0; 4/11/2014 5-15; Pony Rod Guided; | į | Sinker Bar | | 1 1/2 | | ŀ | 50.00 | 4,978.6 |
| , | -0,524.0, 5/25/2012 | 7/8; 5,186.8; 2.00 5-16; Rod back off counting; 7/8; 5,188.5; 0.46 | - 1 | Pony Rod Guided | | 7/8 0 | | | 2.00 | 4,980.6 |
| / | | 3-6; Tuting TK-99; 2 7/8; 2 441; 5 181,3; 31.50 | 2 | Sinker Bar | | 1 1/2 | ; | | 50.00 | 5,030.6 |
| · | | 5-17; Rod Insert Pump; 1 3/4; 5,189.0; 24.00 3-7; Pump Seating Nople; | 1 | Pony Rod Guided | | 7/8 |) | | 2.00 | 5,032.6 |
| ,*** | | 2 7/8; 2.280; 5,212.8; 1.10 3-8; Cavin Desander | 2 | Sinker Bar | | 1 1/2 | ; | | 50.00 | 5,082.6 |
| | | D2711-G; 2 7/8; 5,213.9; 19.50 3-9; 2 7/8 Fiberglass | 1 1 | Pony Rod Guided | | 7/8 |) | | 2.00 | 5,084.6 |
| , | | 3-6; 2 7/8 Fiberglass tubing; 2 7/8; 2.280; 5,233.4; 59.00 | - 1 | Sinker Bar | 1 | 1 1/2 | ; | 1 | 50.00 | 5,134.6 |
| | | 3-10; Bull Plug; 2 7/8; 5,292.4; 0.60 Bridge Plug - Permanent; | | Pony Rod Guided | | 7/8 | | | 2.00 | 5,136.6 |
| | | 1 15-8-400 0 8-469 0 1 | 1 | Sinker Bar | | 1 1/2 | | | 50.00 | 5,186.6 |
| | Perforated; 6,979.0 | | | Pony Rod Guided | | 7/8 |) | | 2.00 | 5,188.6 |
| | 6,999.0; 3/20/2012 | | | Rod back off coupling | | 7/8 | | | 0.40 | 5,189.0 |
| ,~. | | | 1]] | Rod Insert Pump | | 1 3/4 | · · | l | 24.00 | 5,213.0 |
| / | 3-8; Floet Collar; 5 | | | | | | | | | |
| - | 1.52 3-9; Casing Joints; | | | | | | | | | - |
| "" | 75 1/2; 4.892; 7,177.6; 43.22 | | | | | | | | | |
| ,,,,,, | 3-10; Float Shoe; 5 | | | | | | | | | |
| , mer. | 1/2; 4.892; 7,220.8; 1.25 | 12231 | | | | | | | | |
| | | | | | | | | | | |

District I
1625 N. French Dr., Hobbs, NM 88240
Phone. (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone. (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone. (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

30-025-40394 Number

⁴Property Code 38653

OGRID No.

217817

State of New Mexico HOBBS OCD
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION 8 2

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

OFCENED

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

⁶ Well Number

⁹ Elevation

4004'

WELL LOCATION AND ACREAGE DEDICATION PLAT

⁵ Property Name

¹⁰ Surface Location

Ruby Federal

⁸ Operator Name
ConocoPhillips Company

Maljamar; Yeso West

² Pool Code 44500

| OL or lot no. | 17 | 17S | 32E | Lot Idn | 1140' | South | 2310' | East/West line East | Lea |
|-------------------------------|-------------|-----------------|-----------------|---------|----------------|------------------|--|--|---|
| | _ | 1 | · " Bot | tom Ho | le Location If | Different From | 1 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 | Joint o | r Infill 14 (| Consolidation (| | der No. | 80; NSL | -1,528 | | |
| Io allowable v ivision. | will be ass | signed to th | nis completi | | | | | unit has been appro | oved by the |
| 16 | | Lea | se Bo | undar | Vr | | I hereby certify the to the best of my in owns a working in the proposed bott location pursuant interest, or to a version. | ERATOR CERTIFIED AT the information contained he convoledge and belief, and that it iterest or unleased mineral interport hole location or has a right to a contract with an owner of soluthary pooling agreement or a contract by the division. | rein is true and complete his organization either rest in the land including to drill this well at this such a mineral or working |
| | | | | | Lease Bounda | | Printed Name | B. Maunder Maunder@conoco | Date |
| | | | | | | | I hereby cert plat was plot made by me t | EYOR CERTIFI ify that the well location ted from field notes of a or under my supervision and correct to the best of | n shown on this actual surveys n, and that the |
| | 254 | Bouna | | 00/11 | | 2310 | Date of Survey Signature and S Certificate Number | eal of Professional Surveyo | or. |

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Pistrict II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals & Natural Resources (Partment OIL CONSERVATION DIVISION 1220 South St. Francis Dr. AUG 8 2014 Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

| | | RECEIVED | | | | | | | |
|-----------------|--------------------------------------|------------------------|-------------------|---|---------------------------|--|--|--|--|
| | W | ELL LO | CATIO | N AND ACR | | | T | | |
| API Numbe 94 | г | 433 | | | Maljamar; Gray | ³ Pool Nan yburg, San And | ne res | | |
| Code . | | | | • • | | | 6 | Well Number 2 | |
| No. 17 | | | (| ⁸ Operator I ConocoPhillips | Name Company | | | ⁹ Elevation 4004' | |
| | | | | ¹⁹ Surface I | Location | | | | |
| Section 17 | Township 17S | Range 32E | Lot Idn | Feet from the 1140' | North/South line South | Feet from the 2310' | East/West line East | County Lea | |
| • | • | " Bot | tom Hol | e Location If | Different From | Surface | | | |
| Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County | |
| s 13 Joint or | r Iufill 14 C | onsolidation C | ode 15 Or | | , 80 j. N | 1SL-65 | i28-A | 1, | |
| | o Face (505) 476 API Numbe 94 Code | API Number 94 Code No | WELL LO WELL LO | WELL LOCATION Proof Code | WELL LOCATION AND ACR | WELL LOCATION AND ACREAGE DEDIC API Number 94 2 Pool Code 43329 Maljamar; Gray Code Ruby Federal No. 17 ConocoPhillips Company Surface Location Section Township Range Lot Idn Feet from the North/South line 1140' South 11 Bottom Hole Location If Different From Section Township Range Lot Idn Feet from the North/South line 1140' South 12 Bottom Hole Location If Different From Section Township Range Lot Idn Feet from the North/South line 1140' South South Section Township Range Lot Idn Feet from the North/South line 1140' South South Section Township Range Lot Idn Feet from the North/South South Section Township Range Lot Idn Feet from the North/South South Section Township Range Lot Idn Feet from the North/South Section Township Range Lot Idn Feet from the North/South Section Township Range Lot Idn Feet from the North/South Section Township Range Lot Idn Feet from the North/South Section Township Range Lot Idn Feet from the North/South Section Township Range Lot Idn Feet from the North/South Section Township Range Lot Idn Feet from the North/South Section Township Range Lot Idn Feet from the North/South Section Township Range Lot Idn Feet from the North/South Section Township Range Lot Idn Feet from the North/South Section Township Range Lot Idn Feet from the North/South Section Township Range Lot Idn Feet from the North/South Section Township Range Range Ruby Section Township Ruby Section Township Ruby Section Township Ruby Section Township Ruby Section Ruby Sect | WELL LOCATION AND ACREAGE DEDICATION PLA API Number 94 2 Pool Code 43329 Maljamar; Grayburg, San And Code Ruby Federal No. 17 ConocoPhillips Company "Surface Location Section Township Range Lot Idn Feet from the North/South line Feet from the 1140' South 2310' "Bottom Hole Location If Different From Surface Section Township Range Lot Idn Feet from the North/South line Feet from the South Sout | WELL LOCATION AND ACREAGE DEDICATION PLAT API Number 94 | |

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 | Lease Boun | dary | | 17 OPERATOR CERTIFICATION 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 |
|-----------|------------|-------|---|--|
| | | ar u | · | the proposed battom 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. |
| | | Boung | | Susau B Maunder 5/30/14 Signature Susan B. Maunder |
| | | Lease | | Printed Name Susan.B.Maunder@conocophillips.com E-mail Address |
| | · | | , | *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. |
| | , | 2310 | · | Date of Survey Signature and Seal of Professional Surveyor: |
| Lease Boi | undary | 1811 | | Certificate Number |

Operator: ConocoPhillips Company

Lease/Well Name/Location: NMLC029405B/ Ruby Federal #2/ UL O, Sec. 187, 17S, 32E

| Data | Formation One | Formation Two | Formation Three | Estimated Combined Production |
|--|---|---------------|---|---|
| Pool Name | Maljamar;Grayburg- San Andres | NA | Maljamar, Yeso West | |
| Pool Code | 38653 | | 44500 | |
| State Form C-102 with | | | | |
| dedicated acres provided | Yes | | Yes | |
| Formation Name | Grayburg-San Andres | | Yeso | |
| Top & Bottom of Pay Section (<u>perforated</u> or open-hole interval) | 4779 5192' perforated | . | 5415 – 6999' perforated | |
| Method of production | Artificial Lift - | | Artificial Lift | |
| Bottom Hole Pressure (Pinitial, reservoir & Pbottom hole, current) | Pi,r = 1733 Pbh = 800 psi | | Pi,r = 2600 Pbh = 1300 psi | |
| Reservoir Drive mechanism | Combination (Solution gas & water drive) | | Combination (Solution gas & water drive) | |
| Oil gravity and/or BTU | 38.1 | · | 38.2 | 38.2 |
| Average Sulphur Content (Wt%) | 0.7069 | | 0.6261 | 0.658 |
| Oil Sample Analysis provided | yes | | yes | · |
| Gas Analysis Provided | yes | | yes | |
| Produced Water Analysis provided | no | | no | |
| H2S present | 5000 ppm | <u></u> | 8 ppm | 1028 ppm* (Results show most of the gas production from Yeso; also have, a larger percentage of the total production) |
| Producing, Shut-in or New Zone | Producing | | Shut in below BP | |
| Date and Oil/Gas/Water rates of last production | Date: estimate 20 bopd/ 50 Mcfd/ 100 bwpd | | Date:04/08/14 8 bopd /4 Mcfd/171 bwpd | 28/ 54 / 271 |
| Average decline% (provide back up data) | See Field Study | | See Field Study | |
| Fixed Allocation Percentage | Oil:71% Gas:93% | | Oil:29% Gas:7% | |

Remarks: *For H2S calculation used following numbers: GBSA production share (0.4), GOR (1.8 Mcf/Stb), H2S (5000 ppm) & Yeso production share (0.6), GOR (4.5), H2S (8ppm)

Operator Signature: Susan 2 m winder

Date: (4-3-14)

Attached Supporting Documents:

State Form C-102 with dedicated Acres Provided

Oil Sample Analysis provided (must be current)

Gas Analysis provided (must be current)

Produced Water Analysis provided (must be current)

Any additional supporting data (i.e. offset well production and decline curves, etc)

Conditions of Approval

Ruby Federal 2 30-025-40394 ConocoPhillips August 6, 2014

- 1. Step 33 of operator's procedure; Operator to test well a minimum of 90 days.
- 2. Operator to submit another NOI Sundry (with actual well production data) to remove CBP at approximately 5400 and DHC.
- 3. Surface disturbance beyond the existing pad must have prior approval.
- 4. Closed loop system required.
- 5. A minimum of a 2000 (2M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above precharge. The pre-charge test shall follow requirements in Onshore Order #2.
- 6. Subsequent sundry and Completion report with well test and wellbore schematic required.
- 7. Work to be completed in 90 days.

EGF 080614