| ÷ | Subniit 3 Copies To Appropriate District Office | State of New M | exico | Form C-103 |
|-----|--|---|---|--|
| | District I 1625 N French Dr Hobbs NM 88240 | Energy, Minerals and Nau | ural Resources | WELL API NO. |
| | District II | OIL CONSEDUATION | IDIVISION | 30-045-24311 |
| | 1301 W. Grand Ave., Artesia, NM 88210 District III | 1220 South St. Erg | n DIVISION | 5. Indicate Type of Lease |
| | 1000 Rio Brazos Rd., Aztec, NM 87410 | 1220 South St. Fra | 1101S DF. 7505 | STATE FEE S |
| | District IV | Santa Fe, NM 8 | /505 | 6. State Oil & Gas Lease No. |
| | 87505 | | | FEE |
| | SUNDRY NOTI (DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.) | CES AND REPORTS ON WELLS SALS TO DRILL OR TO DEEPEN OR PL CATION FOR PERMIT" (FORM C-101) F | S .ug back to a or such | 7. Lease Name or Unit Agreement Name Garrett Federal Com 2 |
| | 1. Type of Well: Oil Well | Gas Well 🛛 Other | | 8. Well Number 1E |
| ŕ | 2. Name of Operator | | •••• | 9. OGRID Number |
| | Burlington Resources Oil Gas C | ompany LP | | 14538 |
| | 3. Address of Operator | , | | 10. Pool name or Wildcat |
| | P.O. Box 4289, Farmington, NM 8 | \$7499-4289 | | Basin Dakota |
| | 4. Well Location | | | · · · · · · · · · · · · · · · · · · · |
| 1 | Unit Letter <u>M</u> : 104 | 0 feet from the South | line and100 | 00 feet from the <u>East</u> line |
| | Section 13 | Township 29N F | Range 11W | NMPM San Juan County |
| 9.5 | | 11. Elevation (Show whether DF | R, RKB, RT, GR, etc., | |
| | | 5561 | 'GR | |
| | 12. Check A | Appropriate Box to Indicate N | Vature of Notice, | Report or Other Data |
| | NOTICE OF IN PERFORM REMEDIAL WORK TEMPORARILY ABANDON PULL OR ALTER CASING DOWNHOLE COMMINGLE | TENTION TO: PLUG AND ABANDON ⊠ CHANGE PLANS □ MULTIPLE COMPL □ | SUB REMEDIAL WOR COMMENCE DRI CASING/CEMEN | SEQUENT REPORT OF: K |
| _ | OTHER: | | OTHER: | |
| | Describe proposed or comp of starting any proposed we or recompletion. | leted operations. (Clearly state all ork). SEE RULE 1103. For Multip | pertinent details, and ole Completions: At | d give pertinent dates, including estimated date tach wellbore diagram of proposed completion |
| | Burlington Resources reque | ests permission to $P \& A$ the subject | well per the attached | d procedure, current and proposed |
| | wellbore schematics. | sis permission to r &A the subject | A ap' Dia | |
| | Move Mancos plug | down to 4658'-4558 | T bring ovo p | ing up to 444 |
| | * Move Fruitland plug do | wn to 1598'-1498' | | |
| S | Spud Date: | Rig Rele | eased Date: | |
| Ī | hereby certify that the information | above is true and complete to the b | est of my knowledg | e and belief. |
| S | SIGNATURE Allie . | Serse | Staff Regulatory | TechnicianDATE |
|] | Type or print name Dollie L. Buss | e_E-mail address:dollie. | l.busse@conocophil | lips.com PHONE: 505-324-6104 |
| I | For State Use Only | _ | | Real Inspector |
| | ADDROVED DV. R. K. | | Deputy OII & C Distri | $\frac{1}{2} \frac{1}{2} \frac{1}$ |
| ſ | Conditions of Approval (if any): | | Distri | DATE_//0//3_ |
| ` | conditions of Approval (II any). | ₽° ¥ | | |

ConocoPhillips GARRETT FEDERAL COM 2 1E Expense - P&A

Lat 36°43' 16.5" N Long 107°56' 52.584" W

PROCEDURE

This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.

2. MIRU work over rig. Check casing, tubing, and bradenhead pressures and record them in Wellview.

3. When an existing primary valve (i.e. casing valve) is to be used, the existing piping should be removed and replaced with the appropriate piping for the intended operation.

4. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with water, as necessary, and at least pump tubing capacity of water down tubing.

5. ND wellhead and NU BOPE. Pressure and function test BOP. PU and remove tubing hanger.

| Unseat packer and TOOH with 2-3/ | " tubing & Model R-3 Double Grip | Packer (per pertinent data sheet). |
|--|----------------------------------|------------------------------------|
|--|----------------------------------|------------------------------------|

| Tubing: | Yes | Size: | 2-3/8" | Length: | 6335' |
|---------|-----|-------|--------|---------|-------|
| Packer: | Yes | Size: | 4.950" | Depth: | 6204' |

Round trip watermelon mill to just above top perforation @ 6252'.

All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type II mixed at 15.6 ppg with a 1.18 cf/sk yield.

7. Plug 1 (Dakota Top/Perfs & Graneros Top, 6102-6202', 17 Sacks Class B Cement)

TIH and set 5-1/2" cement retainer at 6202'. Load hole with water and circulate well clean. Pressure test tubing to 1000#. Pressure test casing to 800#. If the casing does not test, then spot or tag subsequent plugs as appropriate **Run CBL** Mix 17 sxs Class B cement and spot inside the casing above the CR to isolate the Dakota & Graneros perfs & tops. PUH.

8. Plug 2 (Gallup Top, 5325-5425', 17 Sacks Class B Cement)

Mix 17 sxs of Class B cement and spot a balanced plug to cover the Gallup formation top. TOOH.

9. Plug 3 (Mancos Top, 4447-4547', 33 Sacks Class B Cement)

Perforate 3 holes at 4547'. Establish rate into squeeze holes. RIH and set 5-1/2" CR at 4497'. Mix 40 sxs Class B cement, squeeze 16 sxs behind casing and leave 17 sxs inside casing to cover the Mancos formation top. PUH

10. Plug 4 (Mesa Verde Top, 3346-3446', 17 Sacks Class B Cement)

Mix 17 sxs of Class B cement and spot a balanced plug to cover the Mesa Verde formation top. PUH.

11. Plug 5 (Chacra Top, 2770-2870', 17 Sacks Class B Cement)

Mix 17 sxs of Class B cement and spot a balanced plug to cover the Chacra formation top. PUH.

12 Plug 6 (Pictured Cliffs Top, 1780-1880', 17 Sacks Class B Cement)

Mix 17 sxs of Class B cement and spot a balanced plug to cover the Pictured Cliffs formation top. PUH.

13. Plug 7 (Fruitland Top, 1188-1288', 17 Sacks Class B Cement)

Mix 17 sxs of Class B cement and spot a balanced plug to cover the Fruitland formation top. PUH.

14. Plug 8 (Ojo Alamo & Kirtland Tops, 530-750', 31 Sacks Class B Cement)

Mix 31 sxs of Class B cement and spot a balanced plug to cover the Ojo Alamo & Kirtland formation tops. TOOH.

15. Plug 9 (Surface Shoe, 0-375', 77 Sacks Class B Cement)

Connect the pump line to the bradenhead valve and attempt to pressure test the BH annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix 77 sxs Class B cement and spot a balanced plug inside the casing from 375 to surface, circulate good cement out casing valve. Top off cement in the casing annulus. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the 5-1/2" casing annulus and the BH annulus to surface. Shut well in and WOC.

16. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.

| Con | ocoPhillij | os | Curre | nt Sche | matic - \ | /ersion 3 | | |
|----------------------|---|---|--|--|--|---------------------------------------|---|--|
| Well | Name: G | ARRETT FEDERAL CON | l 2 #1E | 19.25 | | | | |
| AFI70001 30045243 | 311 | Surface Legal Location Field | lame | Licens | e No. | State /P routs ce NEW MEXICO | ive II Coi | ng (ratio) Type Edit |
| Ground Elete | 1101 (1) 561 00 | Original Ka/RT Ekuation (†) 5 573 00 | KB-Ground [|) traine (m) ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ | | kB-Cashg Flange Distance | (1) [10]-1 | thing Harger Distance (f) |
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| 2ftKB 🤇 | n an the state | <u> </u> | <u>coniig.>-:(</u> | <u>Jriginai:H</u> | <u> 318 27 1472</u> | <u>0137.53.01 ANT </u> | <u></u> | |
| (MD) 5 | 8-3-2-94La | | Schem | atic - Actua | i Alata da Salata da | | Carrie Carlos | Frm Final |
| 12 | aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa | | n an | <u>مر مر ا</u> | | | | |
| 117 | | | | | Curford (| Coning Compet 12.3 | 5 505 M 090 | |
| 224 | | | | | CEMENT | WITH 300 SX CIRCUL | ATED TO | |
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| 325 - | | ····· · ········· | 8 | | Surface, | 0 3/011, 0.03710, 12 1 | IND, 323 IIND | |
| 580 | | | a 11 | <u> </u> | | | | OJO ALAMO, 580 |
| 700 | | | | Ø— | | | | KIRTLAND, 700 |
| 1,238 | | | | Ø | | | | |
| 1,830 | | | | И— | | | | PICTURED CLIFFS, |
| 1,877 | | | | | | | | UUU, I |
| 1 879 | | | | 4 | Casing ca | ement, 117-1,879, 6/7 | 7/1980, TOC | |
| 1.050 | | | | | EST BAS | ED 75% EFF CALC | I | |
| 1,900 | | |] 4 | | | | | LEVVI3, 1,500 |
| 2,197 · | | · · · · · · · · · · · · · · · · · · · | | | | | | ¹ му такинемет <i>имунее</i> т и (. 1 1 |
| 2,820 | Tubing, 2 3 | /8in, 4.70lbs/ft, J-55, | | | | | | |
| 3,396 - | L | 12 ftKB, 6,204 ftKB | | Ø | | · · · · · · · · · · · · · · · · · · · | | MESA VERDE, 3,396 |
| 4,493 · | | | A 1 1 | . J | | | ******* | ; ************************************ |
| 4,495 | | | 2 | 4 | Casing ce | ement, 2,197-4,495, (| 5/7/1980, TOC | |
| 4.497 | | ····· | | | LOTDAG | | · · | |
| 5 300 | | | | | | | | |
| . 3,300 - | | 1 | a 11 | 8 | | | | |
| 5,375 | <u>~~~</u> ~ | <u> </u> | | | <u></u> | | ~~~~~~ | GALLUP, 5,375 |
| 6,131 · | | | 19 19 1 | Ø— | | | | GREENHORN, 6,131 |
| 6,193 - | · | | | Ø— | | | | GRANEROS, 6,193 |
| 6,204 | MODEL R | DBL GRIP PACKER, 2 | 12 | - M | | | | |
| 6,207 · | 3/8in, 6 | 204 ftKB, 6,207 ftKB | | 1/ | | · · · · · · · · · · · · · · · · · · · | | : |
| 6,250 | | | | И— | | | | DAKOTA, 6,250 |
| 6,252 | Tubing, 23 | 3/8in, 4.70lbs/ft, J-55, | 4 | 4 . | | • • • • • • • • • • • • | | |
| 6,333 | 6 6 | 207 ftKB, 6,333 ftKB | | | | | | |
| 6 334 | 6 | 333 ftKB, 6,334 ftKB | | A. | PERF DA | KOTA, 6,252-6,416, | 8 <i>/7 /</i> 1980) | |
| 0,004 | Wireline | Guide, 2 3/8in, 6,334 | 推顾 | 1 | | | | |
| 6,335 | | n(b) 0,000 m(b) | ₩ | | | | | |
| 6,416 | | ······································ | Ø | ТЯ ^в . | | | | |
| 6,547 · | | PBTD, 6,547 | Non Contraction of the Contracti | 5 1 | Productio | DOC BASED ON 74 | 300-6,589, ···· | |
| 6,588 | | · • • • • • • • • • • • • • • • • • • • | KANNI) | 8 9) | ACCOUS | TIC CBL | | · · · · · · · · · · · · · · · · · · · |
| 6,589 | | | | <u> </u> | Productio | n1,51/2in,4.950in, | 12 ftKB, 6,589 | |
| 6,590 - | | TD, 6,590, 6/7/1980 | <u>OMMAN</u> | | Cement P | Plug, 6,589-6,590, 6/8 | /1980 | |
| Ľ | L | | the set | | | | | |
| | | 4-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- | | è é ∳ Pi | ige 1/1 | | | Report Printed: 2/14/2013 |

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| (B T #KB T 1 | A | vveil Contig: - Uri | ginal Hole, 1/1/2020 | <u> </u> |
| U) (IVU) 🦾 | | Schematic - 4 | ctual | Frm Final |
| 2 1 111 | | | | ที่แนนน |
| 17 | ***** | | Surface Casing Cement, 12-325, | |
| 24 | | | 5/25/1 980 , CEMENT WITH 300 SX | |
| 25 | · · · · · · · · · · · · · · · · · · · | | CIRCULATED TO SURFACE | |
| 75 | | | Surface, 8 5/8in, 8 19/in, 12 ffKH | .325 ffKH |
| 30 | | | Plug #9 12-375 1/1/2020, Mix 77 | sx Class |
| 80 | | | B cement and pump down 5-1/2" | casing to OJO ALAMO, 580 |
| | | | circulate good cement out casing | valve. KIRTLAND, 700 |
| 50 (h | | | | 1 3x []: |
| 00 | | | VClass Hicement and spot a balance to cover the Oio Alama and Kirtlar | certipling For the second s |
| 88 | | | | |
| 80 | | | Plug #7, 1,188-1,288, 1/1/2020, M | ix 17 sx |
| 30 | · · · · · · · · · · · · · · · · · · · | | Class B cement and spot a balance | |
| 377 | | | to cover the Fruitland formation to | <u>p. 1,831</u> |
| 3/9 | ····· | K | Casing cement, 117-1,879, 6///19 | RII, TOC |
| | | | EST BASED 75% EFT CALC | ix 17 sx 1 |
| 160 | | | Class B cement and spot a balance | ced plug LEWIS, 1,960 - |
| 70 | | | to cover the Pictured Cliffs format | lion top. |
| 70 | ******** | | Plug #5, 2,770-2,870, 1/1/2020, M | ix 17 sx |
| | | | Class B cement and spot a balance | ced plug |
| 3/0 | • • • • • • • • • • • • • • • • • • • | | to cover the Chacra formation top |)) |
| 395 | | | Plug #4, 3,346-3,446, 1 // /2020, M | MESA VERDE 339 |
| 46 | | | to cover the MesaVerde formation | |
| 147 | | | Casing cement, 2,197-4,495, 6/7/ | 1980, |
| 193 | المهورة والالتانة الالالا | | TOCEST BASED 75% EFF CALC | |
| 195 | • • • • • • • • • • • • • • • • • • • | | SQUEEZE PERFS, 4,547, 1/1/2020 | |
| 197 | Cement Retainer A 497 A 498 | | /Plug #3 Squeeze, 4,495-4,547, 1/ | 1/2020 MANCOS, 4,497 |
| 190 | | | / Plug #3, 4,447-4,547, 171/2020, M | nehind |
| 547 | | | casing and leave 17 sx inside cas | singto |
| 300 | | | cover the Mancos tormation top. | |
| 25 | | | | |
| 125 | | | Plug #2, 5,325-5,425, 171/2020, M Class B cement and spot a balance | ced plug |
| 02 | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | to cover the Gallup formation top. | |
| 31 - | | | | GREENHORN, 6,13 |
| 193 - E | | | [Rug #1, 6,102-6,202, 1/1/2020, M | UX 17 3X GRANEROS, 6,19 |
| 202 | Cement Retainer 6 202-6 203 | | above the CR to isolate the Dakot | 8 |
| 203 | | | Perforations and Graneros forma | tion tops. |
| 204 | | B K | | · · · · · · · · · · · · · · · · · · · |
| 250 | | 12 | | DAKOTA 6 250 |
| 252 | Hydraulic Fracture, 8/7/1980 | | | |
| 333 | FRAC DAKOTA WITH 110500 | | | |
| 334 | GAL WATER AND 9000# 100 - | | PERF DAKOTA, 6,252-6,416, 8/7/ | <u>1980</u> |
| 335 ME | SH SAND AND 81000# 20/40 | <u>1</u> 2 | Draduction Continue Compart & 200 | <u> </u> |
| 416 | SAND | | | 980 |
| 547 | PBTD, 6,547 | ····· Areerood | ACCOUSTIC CBL | |
| 588 | | ····· | Production1, 5 1/2in; 4.950in; 12 1 | ftkB, |
| Σ89 · · · · | · · · · · · · · · · · · · · · · · · · | | 6;589 ftKB | |
| 590 · · · | TD, 6,590, 6/7/1980 | | Cement Plug, 6,589-6,590, 6/8/19 | 80 • • • • • • • • • • • • • • • • • • • |