Form 3160-5

## **UNITED STATES**

| FORM APPROVED<br>Budget Bureau No. 1004-0133 |           |  |  |  |  |  |  |
|--|-----------|--|--|--|--|--|--|
| Budget Bureau No.                            | 1004-0135 |  |  |  |  |  |  |
| Evnirary March ?                             | 11 1002   |  |  |  |  |  |  |

| Budget | Bureau | No.  | 100 | )-1-()135 |  |
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| (June 1990)                            | DEPARTMENT O                                |   | - 131 (1.74)                          | Expires: March 31, 1993   |
|--|---|---|---------------------------------------|---|
|  | BUREAU OF LAN                               | D MANAGEMENT                            | Comme                                 | 5/Lease Designation and Serial No.  |
|  | SUNDRY NOTICES AND F                        | REPORTS ON WELLS                        | 7-17/13                               | SF - 080538   |
| Do not use this for                    | rrn for proposals to drill or to            | deepen or reentry to a d                | ifferent reservoir. ರೆ                | 6. If Indian, Allottee or Tribe Name  |
| ι                                      | Js.e "APPLICATION FOR PER                   | )<br>MIT - " for such proposals         |                                       | ] ′   |
|  |   |   |                                       | 7. 7. If Unit or CA, Agreement Designation  |
|  | SUBMIT IN                                   | TRIPLICATE                              | · · ·                                 | ·· <b>/</b>   |
| 1. Type of Well                        |   |   |                                       | San Juan 30-5 Unit  |
| Oil X Gas Well                         | Other                                       |   |                                       | 8. Well Name and No.  |
| 2. Name of Operator                    | Chile                                       |   |                                       | C1 20 E Unit #1004  |
| Phillips Petro                         | leum Company                                |   |                                       | SJ 30-5 Unit #109A<br>9. API Well No.   |
| 3. Address and Telephone               | No.   |   |                                       | 30-039-25706  |
| 5525 Highway 6                         | 4, NBU 3004, Farmington,                    | NM 87401 505-5                          | 599-3 <b>454</b>                      | 10. Field and Pool, or exploratory Area   |
| 4. Location of Well (Foota             | gt, Sec., T., R., M., or Survey Descript    | ion)                                    |                                       |   |
| Unit E, 1670'                          | FNL & 836' FWL                              |   |                                       | Blanco Mesaverde  |
| Section 14, T30                        | ON, R5W                                     |   |                                       | 11. County or Parish, State   |
|  |   |   |                                       | Rio Arriba, NM  |
| 12. CHECK                              | APPROPRIATE BOX(s) To                       | O INDICATE NATURE O                     | F NOTICE, REPORT                      | , OR OTHER DATA   |
|  |   | · · · · · · · · · · · · · · · · · · ·   |                                       |   |
| TYPE OF S                              | SUBMISSION                                  | r                                       | TYPE OF ACTION                        |   |
| Notice                                 | o? Intent                                   | Abandonment                             |                                       | Change of Plans   |
|  |   | Recompletion                            |                                       | New Construction  |
| X Subseq                               | prent Report                                | Plugging Back                           |                                       | Non-Routine Fracturing  |
|  |   | Casing Repair                           |                                       | Water Shut-Off  |
| Final A                                | Abandonment Notice                          | Altering Casing                         |                                       | Conversion to Injection   |
|  |   |   | completion details                    | <del></del>   |
|  |   | CE Office                               | COMPTON GOODER                        | (Note: Report results of multiple completion on Well  |
| 2. Dasariha Pranasad or Com            | uniated Operations (Clearly state all parti | nent details and give pertinent dates   | including estimated date of star      | Completion or Recompletion Report and Log form.) ting any proposed work. If well is directionally drilled,  |
| give subsurface lo                     | ocations and measured and true vertical de  | opths for all markers and zones pertine | ent to this work.)*                   | and the free control of the control |
|  |   |   |                                       |   |
| Soo the attache                        | or for the procedure use                    | to complete the Bland                   | co Mosaverde forma                    | tion on the subject well.   |
| see the attache                        | to the procedure used                       | 1 to complete the branch                | to hesaverue Torma                    | croff off the subject werr.   |
| Plans will ho t                        | cc commingle porduction t                   | from both Dakota and Me                 | esaverde zones ner                    | DHC Order DHC-1910  |
| Tiulis Will be c                       | e committigle por adderon                   | TOM DOON BURGOU UNG TH                  | 504701 40 251100 pc.                  | 5110 01 401 2110 25201  |
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|  |   |   |                                       |   |
|  |   |   |                                       | OIL COM. DIW.   |
|  |   |   |                                       | DIST. 3   |
|  |   |   |                                       |   |
|  | <del></del>                                 |   |                                       |   |
| 14. I hereby certify that the          | oregoing is true and correct                |   |                                       | £ 12 G8   |
| Signed                                 | ilsy (lugstr                                | Title Regulato                          | ry Assistant                          | Date <u>5-/3-98</u>   |
| (This space for Federal                | or Star office uses                         |   |                                       |   |
|  |   | Title                                   |                                       |   |
| Approved by<br>Conditions of approval, |   | Title                                   |                                       | ACCEPTED FOR RECORD   |
| **                                     | *   |   | •                                     | , <del>, , , , , , , , , , , , , , , , , , </del>   |

Title 18 U.S.C. Section 100), makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any particular statements or representations as to any matter within its jurisdiction.

## San Juan 30-5 Unit #109A SF-080538; Unit E, 1670' FNL & 836' FWL Section 14, T30N, R5W; Rio Arriba Co., NM

## Procedure used to perforate and stimulate the Mesaverde formation.

4/22/98 MIRU Big A #29. B&R set plug in "F" nipple @ 8024'. ND WH & NU & PT BOP-OK. COOH w/2-3/8' tubing. PU & RIH w/CIBP & set @ 7902'. Load hole & PT casing, plug & rams to 750 psi – held good.

RU Blue Jet to perf. Perf'd MV @ 1 spf (.31") holes as follows:

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6022', 5986', 5972', 5947', 5918', 5910', 5899', 5890', 5880', 5877', 5875', 5872', 5864', 5854', 5844', 5842', 5830', 5822', 5820', 5819', 5815', 5803', 5792', 5791', 5786', 5768', 5720', 5719', 5660', 5655' Total 30 holes
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RU to acidize. Pumped 1,260 gal of 15% HCL & ballsealers across perfs. Knocked off & retrieved balls. RU to frac. PT – OK. Pumped 98,576 gal of 60 Quality N2 foam consisting of 47,880 gal of 30# Linear gel & 1.35 mmscf N2 & 210,000 # 20/40 Brady sand. ATR – 60 bpm & ATP – 3300 psi. ISDP – 1000 psi. Flowed back immediately on  $\frac{1}{4}$ " &  $\frac{1}{2}$ " choke for approx. 53  $\frac{1}{2}$  hrs.

RU Blue Jet. Ran Gamma Ray from 6200' - 5500'. RIH & set CIBP @ 5400'. Load hole & PT - OK. Perfed Lewis Shale interval - 1 spf (.38") holes as follows:

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4942' - 4945' (3'); 4917' - 4920' (3'); 4885' - 4888'(3'); 4865' - 4868'(3'); 4814' - 4817' (3'); 4806' - 4809'(3'); 4758' - 4761' (3'); 4750' - 4753'(3'); 4742' - 4745' (3'); 4504' - 4507' (3'); 4485' - 4488'(3'); 4472' - 4475'(3'); Total 39 Holes
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RU BJ to acidize. Pumped 1500 gal of 15% HCL & ballsealers. Knocked off balls and recovered. COOH. RU to frac. Pumped 78,237 gal of 60 Quality N2 foam consisting of 31,752 gal of 30# X-link gel & 923,210 scf N2. Pumped 216,000# 20/40 Brady sand. ATR 50 bpm. ATP 2550 psi. ISDP 663 psi. Flowed back on 1/4" choke for approx. 44 hrs.

## 5/9/98

MIRU Big A #29. Kill well w/2% KCl. ND frac head and NU BOPs. PT – OK. RIH w/bit & tagged fill 5276'. Cleaned out fill to CIBP @ 5400'. Drilled out CIBP @ 5400'. Circulated hole. Performed flow test. Cleaned out fill w/air to 7900'. Drilled out CIBP @ 7900'. Cleaned out to PBTD @ 8114'. RIH w/2-3/8' 4.7# production tubing and landed @ 8023' with "F" nipple set @ 7991'. ND BOP & NU WH. PT – OK. Pumped off expendable check. RD & release rig. Turned well over to production department 5/13/98