Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
SF-078994

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
San Juan 30-5 Unit

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
SJ 30-5 Unit #47M

2. Name of Operator
Phillips Petroleum Company

9. API Well No.
30-039-25678

3. Address and Telephone No.
5525 Highway 64, NBU 3004, Farmington, NM 87401 505-599-3454

10. Field and Pool, or exploratory Area
Blanco Mesaverde

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit F, 1780' FNL & 1825' FWL
Section 17, T30N, R5W

11. County or Parish, State
Rio Arriba NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other MV completion details	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See the attached for the procedure used to complete the Blanco Mesaverde formation on the subject well.

Plans will be commingle production from both Dakota and Mesaverde zones per DHC Order DHC-1909.

RECEIVED
MAY - 8 1998
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct
Signed Patsy Clugston Title Regulatory Assistant ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by _____ Title _____ Date MAY 08 1998

Conditions of approval, if any:

FARMINGTON DISTRICT OFFICE

Title 18 U.S.C. Section 1001, makes 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.

* See Instruction on Reverse Side

NMOCD

San Juan 30-5 Unit #47M
SF-078994; Unit F, 1780' FNL & 1825' FWL
Section 17, T30N, R5W; Rio Arriba Co., NM

Procedure used to perforate and stimulate the Mesaverde formation.

4/20/98 set plug in "F" nipple. RU Big A #29. ND WH & NU & PT BOP-OK. COOH w/2-3/8" tubing. PU & RIH w/CIBP & set @ 7700'. Load hole & PT casing, plug & rams to 750 psi – held good.

RU Blue Jet to perf. Shot 4 (.45") squeeze holes @ 5800'. Loaded hole w/2% KCL & established injection rate through squeeze holes @ 4 ½ bpm @ 900 psi. Pumped 200 bbls of 2% KCL & didn't circulate the 4 ½" X 7" casing annulus. RIH w/4 ½" cement retainer & set @ 5750'. RU BJ to cement. Held 500 psi on tubing annulus during cement job. Pumped 150 sx of 50/50 POZ followed by 50 sx Cl B. Displaced w/10 bbls H2O. Stung out of retainer & reversed out 64 sx of cement. RD BJ. ND BOPS & changed out tubing head. NU BOPs. Load casing & pressure test – 500 psi 30 min. held – OK. WOC 6 more hours. Ran temperature survey from 3000' to 5740'. Then RU Blue Jet & ran CBL from 5735' to 5100' - TOC 5200'. RU BJ & PT plug, casing & frac valve to 3000 psi. OK. Perf'd MV @ 1 spf (.31") holes as follows:

5693', 5686', 5666', 5625', 5624', 5613', 5604', 5583', 5572', 5562', 5559',
5537', 5529', 5502', 5492', 5488', 5485', 5478', 5472', 5470', 5453', 5448',
5444', 5423', 5421', 5356', 5354' **Total 27 holes**

RU to acidize. Pumped 1,134 gal of 15% HCL & ballsealers across perfs. Knocked off & retrieved balls. RU to frac. PT – OK. Pumped 100,000 gal of 60 Quality N2 foam consisting of 47,880 gal of 30# Linear gel & 1.23 mmscf N2 & 207,000 # 20/40 Brady sand. ATR – 55 bpm & ATP – 3200 psi. ISDP – 800 psi. Flowed back immediately on ¼" choke for approx. 56 hrs.

ND frac head & NU BOPs. PT – OK. RU Blue Jet & ran GR log from 5700' – 5200'. RIH & set CIBP @ 5196'. Load hole & PT to500 psi. OK. Using 3-1/8" gun shot 4 (.45") squeeze holes @ 5140'. Circ. 4 ½" X 7" casing annuals. RIH w/4 ½" cement retainer & set @ 5090' (50' above squeeze holes). RU BJ to squeeze Lewis Formation. Stung into retainer. Loaded annuals & held 500 psi during squeeze job. Pumped down tubing 10 bbls KCL water, then pumped 150 sx Cl H cement w/2% CaCl2 @ 15.6 ppg. Displaced with KCl. Stung out & reversed circ. 1 bbls cement. POOH. WOC.

RU Blue Jet & ran temperature survey – TOC – 4150'. Perforated Lewis Shale with 1 spf (.38") holes as follows:

4752' – 4755' (3');	4666' – 4669' (3');	4630' – 4633' (3');	
4596' – 4599' (3');	4568' – 4571' (3');	4505' – 4508' (3');	
4494' – 4497' (3');	4450' – 4453' (3');	4439' – 4442' (3');	
4430' – 4433' (3');	4382' – 4385' (3');	4336' – 4339' (3')	**Total 36 holes**

RU BJ to acidize perfs. Pumped 1000 gal of 15% HCL & ballsealers. RIH & knocked off and retrieved balls. ND BOPs & NU Frac head. PT – OK. Pumped 75,680 gal of 60 Quality N2 foam consisting of 32,252 gal of 30# x-link gel & 983,000 scf N2. Pumped 203,000 # 20/40 Brady sand. ATR 50 bpm and ATP – 2530 psi. ISIP – 480 psi. Flowed back immediately on ¼" choke for approx. 42 hrs.

ND frac head & NU BOPs. PT – Ok. RIH w/bit & cleaned out fill w/air to 5090'. Drilled out cement retainer and then drilled out cement from 5093' to 5140'. Drilled out CIBP @ 5196'. Drilled cement retainer @ 5750' and then cement from 5753' to 5800'. Drilled out CIBBP @ 7700'. Cleaned out to 7921'. COOH. RIH w/2-3/8" production tubing and set @ 7724' with "F" nipple set @ 7691'. ND BOPs and NU WH. RD & released rig 5/7/98. Turned well over to production department.