

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No.

5525 Highway 64, NBU 3004, Farmington, NM 87401 505-599-3454

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit K, 1750' FSL & 1550' FWL
Section 19, T29N, R5W

5. Lease Designation and Serial No.

SF-078282

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

San Juan 29-5 Unit

8. Well Name and No.

San Juan 29-5 Unit #11

9. API Well No.

30-039-07575

10. Field and Pool, or exploratory Area

Blanco Mesaverde

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

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Add pay & stimulate
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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 attached for details of the procedure used squeeze cement behind the pipe and then add pay and stimulate the Lewis Shale interval in the existing Mesaverde formation.

14. I hereby certify that the foregoing is true and correct

Signed Fatsy Chugster Title Regulatory Assistant

(This space for Federal or State office use)

Approved by _____ Title _____

Conditions of approval, if any:

JUL 16 1998

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 29-5 Unit #11
SF-078282; Unit K, 1750' FSL & 1550' FWL
Section 19, T29N, R5W; Rio Arriba County, NM**

**Procedure used squeeze cement behind pipe and then perf & stimulate the
Lewis Shale interval in the existing Mesaverde formation.**

6/11/98

MIRU Big A #29. Killed well. ND WH & NU BOPs. COOH w/2-3/8" tubing. RIH w/bit & scraper and tag at 5428'. COOH. RIH w/4 1/2" CIBP & set @ 5400'. Load hole w/2% KCl & PT casing to 2000 psi for 30 min. – Good test. COOH. RIH to log well. Ran GR/CCL/CBL from 5400' to surface. (TOC 4690'). RIH w/4" casing gun on wireline & shot 2 squeeze holes @ 4555' & had to set 5-1/2" cement retainer @ 4492' and pump through cement retainer to establish injection rate. RU BJ to cement squeeze. Pumped 165 sx Cl H cement (15.6 ppg) Displaced 95% of cement w/H2O. Stung out of retainer & reversed 15 sx cement to pit. WOC @ 8 hrs. Wilson ran temperature survey on SL and showed TOC @ 3500'. RIH w/bit & scraper & tagged cement @ 4485'. Drilled out cement from 4485' to 4495' and drilled out retainer from 4495' – 4498'. PT squeeze to 1000 psi – OK. Continue with bit & scraper to 5400'. COOH.

RU BlueJet & perf'd the Lewis Shale interval @ 1spf (.38") with 120 degree phased as follows: (Huerfanito Bentonite not present, equivalent stratigraphic depth is 3901').

4983' – 4986' (3');	4937' – 4940' (3');	4908' – 4911' (3');	4857' – 4860' (3');;
4833' – 4836' (3');	4799' – 4802' (3');	4790' – 4793' (3');;	4723' – 4726' (3');;
4672' – 4675' (3');;	4662' – 4665' (3');;	4647' – 4650' (3');;	4625' – 4628' (3');;

36 Holes

GIH w/4 1/2" packer & set @ 4460'. PT casing annulus & packer to 500 psi – OK. RU to acidize Lewis Shale interval. Pumped 1000 gal of 15% HCL acid & ballsealers. Knocked balls off & COOH w/packer.

RIH & set 4 1/2" packer @ 60'. PT casing annulus to 500 psi – OK. RU to frac Lewis Shale. Pumped 73,711 gal of 60 Quality N2 30# x-link borate foam with 209,000 # 20/40 Brady sand. Total N2 – 915,000 scf. ATR – 45 bpm and ATP – 2450 psi. Flowed back immediately on 1/4" choke for approximately 43 hours.

Released & COOH w/packer. Changed out WH. RIH w/2-3/8" 4.7# tubing and cleaned out to 5400' (CIBP). Cleaned out to PBTD @ 5977'. Landed tubing @ 5866' with "F" nipple set @ 5834'. ND BOPs & NU WH. Pumped off exp check. RD & released rig 6/22/98. Turned well over to production department.