

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)

990' FNL & 840' FEL
A Section 11, T29N, R6W

5. Lease Designation and Serial No.

NM-012698

6. If Indian, Allottee or Tribe Name

7. If Unit or CA. Agreement Designation

San Juan 29-6 Unit

8. Well Name and No.

SJ 29-6 Unit #21

9. API Well No.

30-039-07674

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.)*

Attached is the procedure used to perforate and stimulate the Lewis Shale zone in the Mesaverde formation on the subject well.

RECEIVED
MAY 23 1997

OIL & GAS
DIVISION

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

Signed: [Signature]

Title: Regulatory Assistant

Date: 9-23-97

(This space for Federal or State office use)

ACCEPTED FOR RECORD

Approved by:

Title:

Date:

Conditions of approval (if any):

SEP 25 1997

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 statement or representation in connection with any matter within the jurisdiction.

FARMINGTON DISTRICT OFFICE

* See Instruction on Reverse Side

NMCRD

San Juan 29-6 #21

**NM-012698, 990' FNL & 840' FEL
Section 11, T29N, R6W, Rio Arriba County, NM**

Procedure used to add Lewis Shale pay to existing Mesaverde formation and stimulate.

9/4/97

MIRU Big A #40. ND WH & NU BOPs. POOH w/2-3/8" production tubing and laid down. RIH w/2-3/8" bit & rn to 4920'. COOH. RIH & set 5-1/2" RBP @ 4710'. Dumped 2 sx sand on top of RBP. RIH & set 5-1/2" fullbore packer @ 25'. Load casing w/2% KCl water. RU tubing hanger. NU BOPs. Test wellhead & BOPs. Moved packer up annulus and found hole in casing 3507 - 3523'. PUH to 3266'.

RU BJ to squeeze. Pressure up annulas to 500 psi. Packer set at 3266'. Pumped 100 sx Class B neat, 2% CaCl₂ (1.18 yield). Displaced w/13.6 bbls water. Squeezed to 500 psi. Reversed out 17 bbls. Set packer. Pressured up to 500 psi. Held. COOH w/packer. RIH to drill out cement. Tagged cement @ 3243' and drilled out from 3243' to 3520'. Circulated casing clean. PT casing to 500 psi - 30 min. Good test. COOH. RIH w/bit & scraper to 4500'. TOH. RU Blue Jet & ran GR/CCL. Perf Lewis Shale w/120° phasing & 1 spf as follows:

4220' - 4230' (10');	4238' - 4243' (5');	4252' - 4257' (5');
4310' - 4315' (5');	4399' - 4404' (5');	4480' - 4490' (10');
4550' - 4555' (5');	4615' - 4620' (5');	Total 50 holes.

RD Blue Jet. RIH w/5-1/2" FB Packer & set @ 3780'. Load annulas w/2% KCl water. Test packer & annulas to 500 psi - OK. RU BJ to frac. Pumped 1000 gal 15% HCl & 75 ballsealers. Rate 14 bpm @ 1400 psi - no balloff. ISIP - 350 psi. TIH to 4658' w/packer & 2-7/8" tubing. Wipe balls off perfs. TOH to 4094'. Set packer. RU to frac. Put 500 psi on annulas. Pumped 75,780 gal 60% foam & 201,780# 20/40 Arizona sand. Avg rate 30 bpm, avg. treating pressure - 4800 psi. Flush 2% KCl water. ISIP - 652 psi. Base fluid 303 X-link gel 869,000 scf N₂ used. Opened up on 1/8" choke for 1 hr and then on 1/4" choke for 54 hours. Release packer @ 3780'. RIH & cleaned out fill w/air & mist to RBP. POOH. Cleaned out fill to PBTD 5804'.

RIH w/2-3/8" 4.7# tubing & set @ 5620'; "F" nipple @ 5588'. ND BOPs & NU WH. Pumped off plug in tubing. RD & MO 9/17/97. Turned well over to production department.