

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

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)

1650' FNL & 1550' FEL
G Section 8, T29N, R5W

5. Lease Designation and Serial No.

SF-078410

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

San Juan 29-5 Unit

8. Well Name and No.

SJ 29-5 Unit #21

9. API Well No.

30-039-07667

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 abovementioned well.

RECEIVED
APR 21 1997

OIL CON. DIV.
DIST. 3

RECEIVED
APR 15 PM 1:15
FARMINGTON, NM

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

Signed

Valery Chigster

Title Regulatory Assistant

(This space for Federal or State office use)

Approved by

Title

Date APR 16 1997

Conditions of approval, if any:

ACCEPTED FOR RECORD
APR 11 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 a false statement or representations as to any matter within its jurisdiction.

* See Instruction on Reverse Side

NMOOD

San Juan 29-5 #21
SF-078410; 1650' FNL & 1550' FEL
Section 8, T29N, R5W; Rio Arriba County, NM .

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

3-15-97

MIRU Big A #18. Killed well & ND WH & NU BOPs, Test. POOH w/1-1/4" production tubing. GIH w/scraper to 5926'. POOH. RU Bluejet & set 4-1/2" RBP @ 4855'. Dump sand on top of RBP. Load hole with 2% KCl water & PT to 500 psi. - good test. Ran GR/CCL from 3800' - 4832'.

Perforated Lewis Shale formation as follows: 1 spf @ 120° phasing

4755' - 4760'	=	5 ft.	=	5 holes
4690' - 4695'	=	5 ft.	=	5 holes
4545' - 4550'	=	5 ft.	=	5 holes
4610' - 4620'	=	10 ft.	=	10 holes
4365' - 4375'	=	10 ft.	=	10 holes
4405' - 4510'	=	5 ft.	=	5 holes
<u>4339' - 4344'</u>	<u>=</u>	<u>5 ft.</u>	<u>=</u>	<u>5 holes</u>
Total	=	45 ft.	=	45 holes

3-20-97

RU BJ Service - acidized w/1000 gal 15% HCl w/60 ball sealers. Treating pressure 1500# and 6000#. Release Packer and knocked balls off. RU BJ to frac Lewis Shale. Pumped 49,140 gal of 2% KCl water w/30# gel & pumped 210,620 # 20/40 AZ sand from 1# to 5# pads, pumped 656,000 scf of N₂ w/50% quality foam. Avg. rate 15.6 bpm; avg pressure 4800#, ISDP - 6000#. Flowed back on 1/4" choke for @ 38 hours. Circ clean w/air & mist to RBP @ 4855'.

RIH and landed tubing as follows: 2-3/8" tubing set @ 5843', FN @ 5810', 4-1/2" R-3 Baker Packer set @ 4839'. Model L Baker sliding sleeve @ 4580'. ND BOPs and NU WH. Test- OK. RD and released rig @ 9:00 am 3-28-97. Opened sliding sleeve. Turned well over to production department.