

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)

Unit M, 990' FSL & 990' FWL
Section 21, T29N, R5W

5. Lease Designation and Serial No.

NM-03188

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 #16

9. API Well No.

30-039-07567

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
FEB - 5 1997

OIL CON. DIV.
DIST. 3

070 FARMINGTON, NM

97 JAN 29 AM 10:55

RECEIVED
BLM

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

Signed

Patsy Chugatz

Title Regulatory Assistant

Date 1-27-97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

ACCEPTED FOR RECORD

JAN 30 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 statements or representations as to any matter within its jurisdiction.

* See Instruction on Reverse Side

FARMINGTON DISTRICT OFFICE

NMOCD

San Juan 29-5 #16
NM-03188; Unit M, 990' FSL & 990' FWL
Section 21, T29N, R5W; Rio Arriba County, NM

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

1/7/97

MIRU Big A #40. 12/27/96 - Killed well. ND WH & NU BOPs and Test. POOH w/2-3/8" production tubing. GIH w/scraper to 6024'. POOH. RU Bluejet & set 5-1/2" RBP @ 5740'. Dump sand on top of RBP. Load hole with 2% KCl water & PT to 500 psi. OK. Ran GR/CCL strip log from 4900' - 4300'. ND BOPs & WH and NU new WH & BOPs & test.

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

4815'-4825'	=	10'	=	10 holes
4680'-4690'	=	10'	=	10 holes
4580'-4590'	=	10'	=	10 holes
4510'-4515'	=	5'	=	5 holes
4460'-4470'	=	10'	=	10 holes
4426'-4431'	=	5'	=	5 holes
Total 50'				= 50 holes

RIH w/5-1/2" Baker Packer & 2-7/8" workstring & set @ 4350'. RU BJ & pumped 1000 gal. of 15% HCL acid & 75 ball sealers. Formation balled off @ 14 bpm & 4750 psi. Avg. rate 14 bpm & avg pressure 4000 psi. Knocked balls off. Frac'd well with 40,824 gal Viking ID-30/X-link 50 quality foam; 667,000 scf N₂; & 135,000 # 20/40 AZ Sand.

Flowed back on 1/4" choke for @ 88 hours. Cleaned out well with nitrogen. GIH w/2-3/8" 4.7# J-55 tubing, packer sliding sleeve and landed tubing @ 5947'; top of packer @ 4941'; Install BPV & ND BOPs & NU WH. Test & pull BPV. Open sliding sleeve. POOH. RD & MO. Turned well over to production.

295#16ls.prc