

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SEP 14 1998

OIL CON. DIV.
DIST. 3

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

5. Lease Designation and Serial No.

SF-078305

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 #21A

9. API Well No.

30-039-21342

10. Field and Pool, or exploratory Area

Blanco Mesaverde

11. County or Parish, State

Rio Arriba, NM

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 0, 800' FSL & 1460' FEL
Section 8, T29N, R5W

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 and 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 the procedure used to add pay and stimulate the Lewis Shale interval within the existing Mesaverde formation.

070 FARMINGTON, NM
58 AUG 28 PM 12:30

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

Signed Patsy Chugster Title Regulatory Assistant Date 8-26-98

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

ACCEPTED FOR RECORD

SEP 08 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

FARMINGTON DISTRICT OFFICE

NMOCB

San Juan 29-5 Unit #21A
SF-078305; Unit O, 800' FSL & 1460' FEL
Section 8, T29N, R5W; Rio Arriba County, NM

Procedure used to perf & stimulate the Lewis Shale interval in the existing Mesaverde formation.

8/12/98

MIRU Big A #38. Killed well. ND WH & NU BOPs. RIH w/6-1/4" bit and tagged fill @ 5348'. RIH & tagged fill @ 5870'. Cleaned out 34' fill to PBTD - 5904'. COOH w/2-3/8" tubing and laid down. RIH & set CIBP @ 5350'. Load hole w/2% KCl & PT CIBP & casing to 500 psi. No test. COOH w/4-1/2" CIBP. RIH w/51 jts 2-3/8" tubing to run as tailpipe below 7" FBP. GIH & tagged CIBP w/tailpipe @ 5350'. Pulled up & set Packer @ 3790'. Established injection rate as 2 bpm @ 300 psi. Load hole & PT Pkr & casing to 500 psi - OK. COOH w/packer & reran 7" FBP & set @ 3510'.

RU to squeeze liner top @ 3799'. Pumped 50 sx Cl H w/3% CaCl₂ - yield 1.2 ft³/sx (total 60 cf). Displaced w/18 bbls water to 3600'. WOC. Load hole & PT casing to 500 psi - Held OK. Released packer & COOH. RIH w/3-7/8" bit & tagged cement @ 3855'. Drilled cement from 3855' to 4205'. Circ. Hole clean. PT squeeze & casing to 500 psi - 30 min. Good test. COOH.

RIH & ran/GR-CCL-CBL & log from 5104 - 3115' (liner top). Good bond to 3815'. Logged from 3815' - surface. TOC - 2800'. RIH & perf'd Lewis Shale interval @ 1 spf (.38" holes) 120 degree phased holes as follows: (Huerfanito Bentonite not present, equivalent stratigraphic depth is 3993').

4915' - 4918' (3');	4870' - 4873' (3');	4849' - 4852' (3');	4828' - 4831' (3');
4804' - 4807' (3');	4782' - 4785' (3');	4721' - 4724' (3');	4709' - 4712' (3');
4674' - 4677' (3');	4665' - 4668' (3');	4658' - 4661' (3');	4633' - 4636' (3') Total 36 holes

GIH w/4-1/2" packer to 4435'. 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 and COOH w/packer. RU to Frac. Pumped 75,000 gal 60 Quality N₂ 35# X-link Borate foam w/204,300 # 20/40 Brady sand. Total N₂ 865,000 scf, total fluid to recover 760 bbls. ATR - 45 bpm and ATP - 2700 psi. ISIP - 780 psi. Flowed back on 1/4" chokes for @ 40 hrs.

Released packer and COOH. RIH & cleaned out to @ 5350' (CIBP), drilled out & chased fill to 5880'. RIH w/2-3/8" 4.7# tubing and circulated hole clean to 5880'. Land tubing @ 5829' with "F" nipple @ 5795'. ND BOPs & NU WH. Pumped off exp. check. RD & released rig 8/21/98. Turned well over to production department.