

1625 N. French Dr  
Hobbs, NM 88241-1980  
District II - (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV - (505) 827-7131

New Mexico  
Energy Minerals and Natural Resources Department  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

Form C-140  
Revised 06/95

SUBMIT ORIGINAL  
PLUS 2 COPIES  
TO APPROPRIATE  
DISTRICT OFFICE

APPLICATION FOR  
WELL WORKOVER PROJECT

I. Operator and Well

Operator name & address Phillips Petroleum Company 5525 Hwy. 64 Farmington, NM 87401							OGRID Number 017654	
Contact Party Patsy Clugston							Phone 505-599-3454	
Property Name San Juan 29-6 Unit					Well Number 17		API Number 30-039-07702	
UL A	Section 1	Township 29N	Range 6W	Feet From The 1190	North/South Line North	Feet From The 990	East/West Line East	County Rio Arriba

II. Workover

Date Workover Commenced: 12/3/98	Previous Producing Pool(s) (Prior to Workover): Blanco Mesaverde
Date Workover Completed: 12/15/98	

III. Attach a description of the Workover Procedures performed to increase production.

IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

V. AFFIDAVIT:

State of New Mexico )  
County of San Juan ) ss.

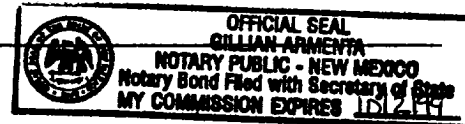
Patsy Clugston, being first duly sworn, upon oath states:

- I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
- I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
- To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.

Signature Patsy Clugston Title Regulatory Assistant Date 7/30/99  
SUBSCRIBED AND SWORN TO before me this 30th day of July, 1999.

William Armenta  
Notary Public

My Commission expires: \_\_\_\_\_



FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on 12/15/98.

Signature District Supervisor <u>JSJ</u>	OCD District <u>3</u>	Date <u>8/12/99</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: \_\_\_\_\_

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

070 FARMINGTON, 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 A, 1190' FNL & 990' FEL  
Section 1, 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 #17

9. API Well No.

30-039-07702

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 Squeeze cement & add pay  
☐ 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 the attached for the procedure used to squeeze cement to cover the Lewis Shale interval before adding pay and stimulating. The Lewis Shale interval is within the existing Mesaverde formation.

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

Signed

*Fabrizio Clugston*

Title

Regulatory Assistant

Date

12/18/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

ACCEPTED FOR RECORD

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

OPERATION

FARMINGTON DISTRICT OFFICE  
*Sum*

**San Juan 29-6 #17**  
**NM-012698; Unit A. 1190' FNL & 990' FEL**  
**Section 1, T29N, R6W; Rio Arriba County, New Mexico**

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

12/3/98

MIRU Key Energy #38. ND WH & NU BOPs. COOH w/2-3/8" tubing. RIH w/bit & scraper and tag down to 5624'. COOH. RIH w/5 1/2" CIBP & set @ 5250'. Load hole w/2% KCl & PT casing to 500 psi for 30 min. - Good test. COOH. RU Blue Jet & logged well. Ran GR/CCL/CBL from 5250' to surface. GIH & shoot 2 squeeze holes @ 3775' & 2 holes @ 3735' (no cement behind casing needing to perf). Established injection rate. GIH w/cement retainer & set @ 3685'. MIRU BJ to squeeze. Squeezed in 60 sx cement w/2 sx CaCl2 @ 3 bpm displaced w/15 bbls water. Reversed out. COOH. WOC. Pumped 125 bbls 2% KCl down casing. ND BOP & ND WH. Reconditioned casing head. NU WH & BOP. PT-OK. GIH w/4-3/4" bit & tagged cement retainer @ 3685'. Drilled out cement to 3730'.

RU Blue Jet & perf'd the Lewis Shale interval @ 1spf (.38") with 120 degree phased as follows: (Huerfanito Bentonite not present, equivalent stratigraphic depth is 4237').

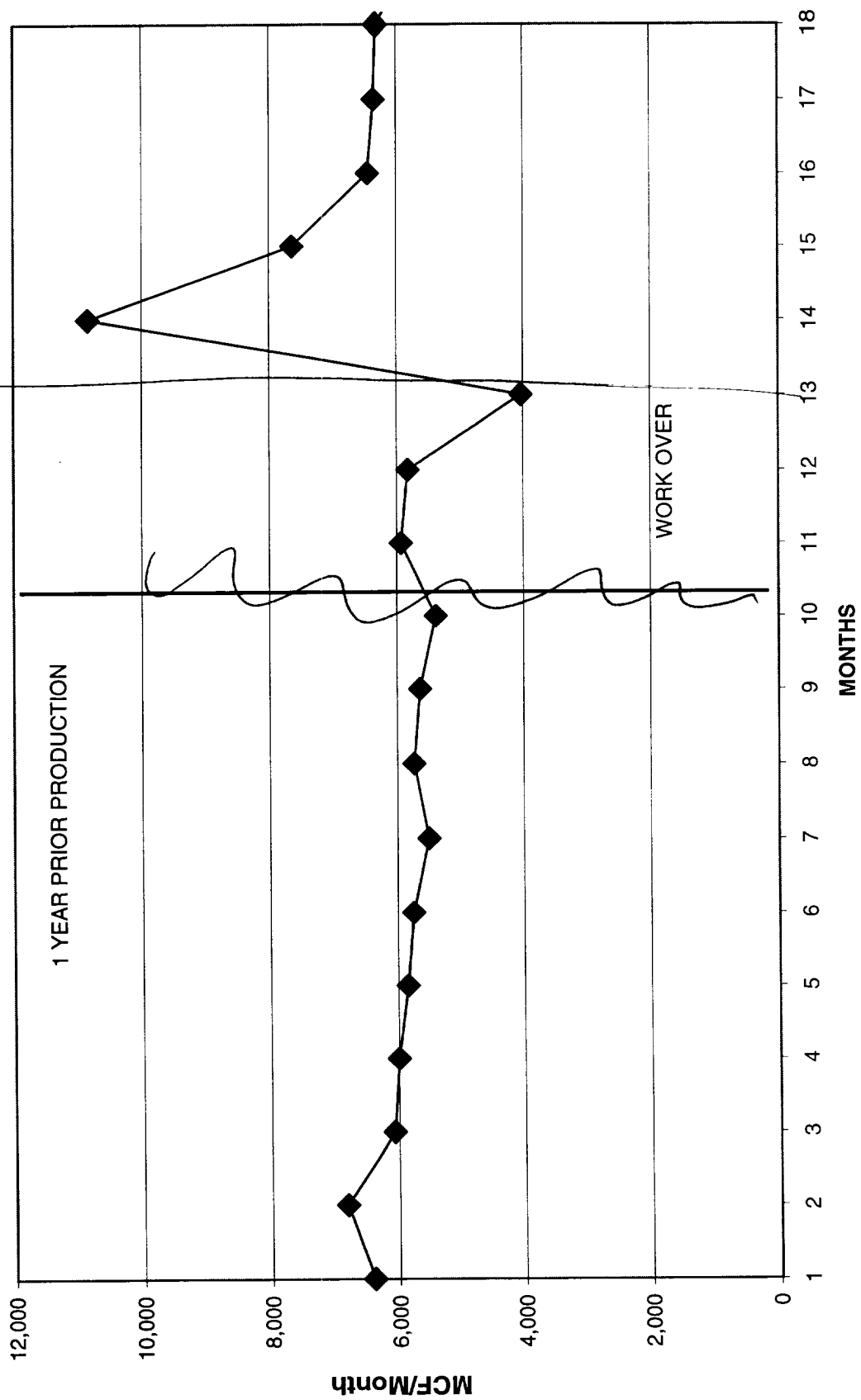
4273' - 4276' (3');	4281' - 4284' (3');	4297' - 4300' (3');	4304' - 4307' (3');;	
4520' - 4523' (3');	4539' - 4542' (3');;	4560' - 4563' (3');;	4599' - 4602' (3');;	
4667' - 4670' (3');;	4685' - 4688' (3');;	4706' - 4709' (3');;	4724' - 4727' (3');;	36 Holes

NU spool & 3-1/2" BOP. PT - OK. GIH w/5-1/2" FBP & set @ 4041'. PT casing annulus & packer to 500 psi - OK. RU BJ to acidize. Pumped 1000 gal 15% HCl & ballscalers. Knocked balls off & COOH w/packer.

RIH & set 4 1/2" packer @ 3835'. PT casing annulus, lines - OK. RU to frac Lewis Shale. Pumped 23,940 gal 2% KCl w/60 Quality foam, 194,320 # 20/40 Brady sand. Total N<sub>2</sub> 785,000 scf. ATR - 40 bpm & ATP - 3,200 psi. ISDP - 650 psi. Flowed back immediately on 1/4" choke for approximately 44 hours.

Released & COOH w/packer. RIH w/4-3/4" bit & drilled out bridge @ 5100'. Cleaned out fill to top of BP @ 5250'. Milled through BP. Cleaned out to PBTD 5851'. COOH. GIH w/2-3/8" tubing. Set tubing @ 5632' with "F" nipple set @ 5600'. ND BOPs & NU WH. Pumped off expendable check. RD & MO 12/15/98. Turned well over to production department.

# 29-6 #17 Workover Production Increase



API #	29-6 #17	MCF/Month
30-039-07702	Dec-97	6,395
	Jan-98	6,812
	Feb-98	6,068
	Mar-98	5,995
	Apr-98	5,845
	May-98	5,748
	Jun-98	5,503
	Jul-98	5,733
	Aug-98	5,639
	Sep-98	5,386
	Oct-98	5,930
	Nov-98	5,823
WORK OVER	Dec-98	4,035
	Jan-99	10,837
	Feb-99	7,637
	Mar-99	6,448
	Apr-99	6,353
	May-99	6,319