

Albuquerque, NM 88241-1980  
District II - (505) 748-1283  
811 S. First  
Albuquerque, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Albuquerque, 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

RECEIVED  
JUL 12 1999

OIL CON. DIV.  
DIST. 3

I. Operator and Well							OGRID Number	
Operator name & address Phillips Petroleum 5525 Hwy. 64 Farmington, NM 87401							017654	
Contact Party Patsy Clugston							Phone 505-599-3454	
Property Name San Juan 29-6 Unit					Well Number 27A		API Number 30-039-21412	
UL C	Section 23	Township 29N	Range 6W	Feet From The 1180	North/South Line North	Feet From The 1650	East/West Line West	County Rio Arriba

II. Workover	
Date Workover Commenced: 9/10/98	Previous Producing Pool(s) (Prior to Workover):
Date Workover Completed: 9/14/98	Blanco Mesaverde

- 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 7-1-99  
SUBSCRIBED AND SWORN TO before me this 1st day of July, 1999.

My Commission expires: 10-8-2001

Nancy J. Brown  
Notary Public

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 7/14/98.

Signature District Supervisor <u>353</u>	OCD District <u>3</u>	Date <u>7/16/98</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

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 C, 1180' FNL 7 1650' FWL  
Section 23, T29N, R6W

FORM APPROVED

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

5. Lease Designation and Serial No.

SF-078284

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 #27A

9. API Well No.

30-039-21412

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 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.

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

Signed Patricia A. Kingston Title Regulatory Assistant Date 7/21/93

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_

Conditions of approval, if any:

ACCEPTED FOR RECORD

SEP 3 0 1993

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

OPERATOR

FARMINGTON DISTRICT OFFICE

**San Juan 29-6 Unit #27A**  
**SF-078284; Unit C, 1180' FNL & 1650' FWL**  
**Section 23, T29N, R6W; Rio Arriba County, NM**

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

9/10/98

MIRU Big A #40. Killed well. ND WH & NU BOPs. COOH w/2-3/8" tubing. COOH. RIH w/4 1/2" CIBP & set @ 5050'. Load hole & pressure test CIBP & casing to 500 psi – 30 min. OK. RIH to log well from 5041' – 3602' (liner top) good bond. Logged 7" under 250 psi from 3602' – surface. Top of Cement – 2204'. RIH & perf'd Lewis Shale interval @ 1 spf (.38" holes) 120 degree phased holes as follows: (Huerfanito Bentonite not present, equivalent stratigraphic depth is 4102').

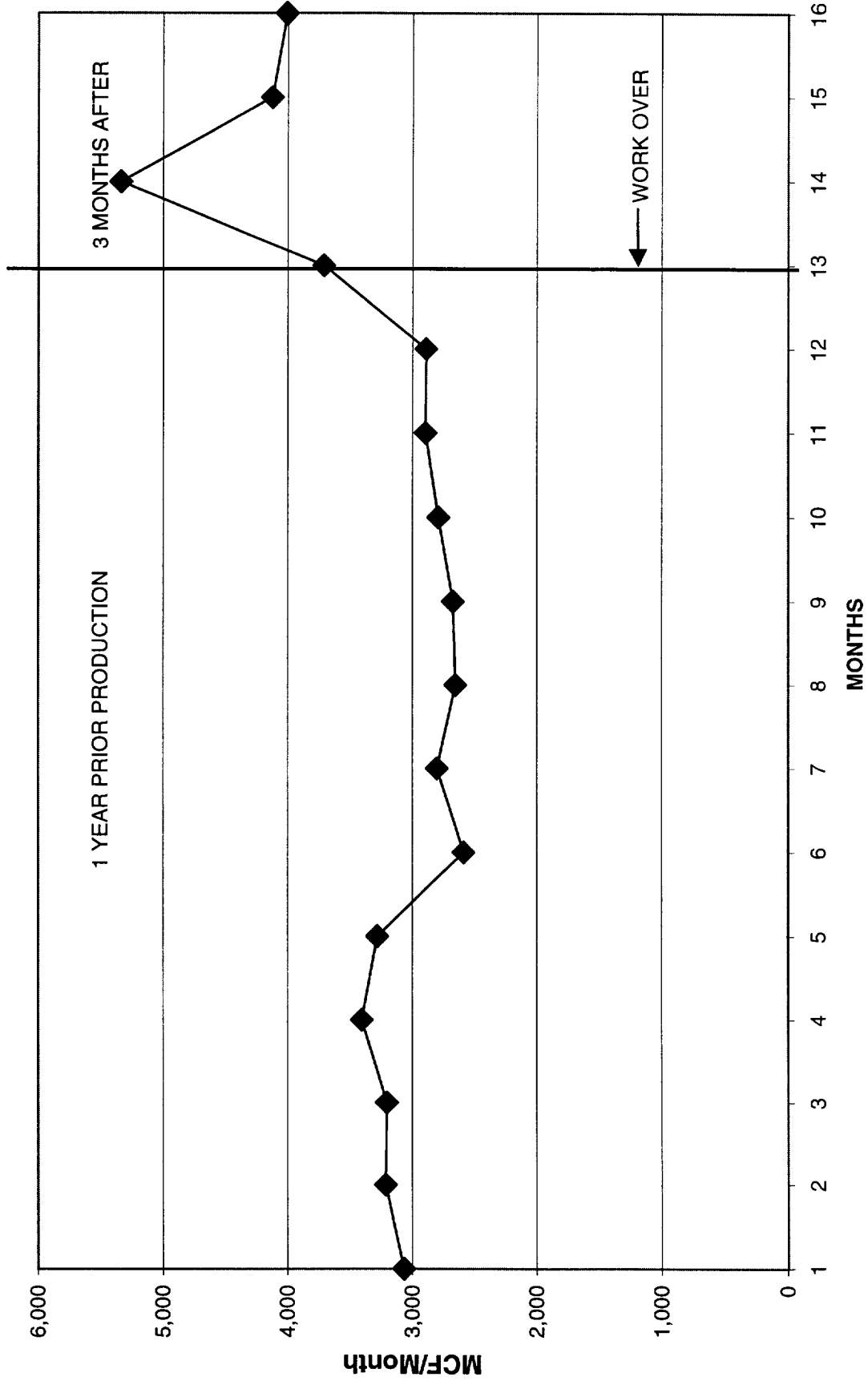
4621' – 4624' (3');	4571' – 4574' (3');	4524' – 4527' (3');	4509' – 4512' (3');
4497' – 4500' (3');	4465' – 4468' (3');	4443' – 4446' (3');	4396' – 4399' (3');
4375' – 4378' (3');	4363' – 4366' (3');	4289' – 4292' (3');	4145' – 4148' (3'); <b>36 Holes Total</b>

GIH w/4 1/2" packer & set @ 3912'. 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 & COOH w/packer.

RIH & set 4 1/2" packer @ 3632'. PT casing annulus & packer to 500 psi -OK. RU to frac Lewis Shale. Pumped 73,800 gal 60 Quality N2 30# X-link Borate foam w/202,000 #20/40 Brady sand – tagged with Iridium 192 Radioactive tracer @ .41 mc/1000 total 83 millicuries. Total N2 – 902,000 scf, Total fluid to recover 766 bbls. ATP – 2200 psi, ATR – 45 bpm. ISIP – 650 psi. Flowed back immediately on 1/4" & 1/2" chokes for approx. 32 hours.

Released packer and COOH. RIH & cleaned out to CIBP @ 5050'. Drilled out CIBP and chased down 5676' (new PBTD). RIH w/2-3/8" 4.7# tubing and cleaned out to PBTD. Land tubing 5583' with "F" nipple set @ 5549'. ND BOPs & NU WH. Pumped off exp. check. RD & released rig 9/14/98. Turned well over to production department.

# 29-6 #27A Workover Production Increase



API #	29-6 # 27A	MCF/Month
30-039-21412	1	3,068
	2	3,211
	3	3,204
	4	3,404
	5	3,279
	6	2,589
	7	2,802
	8	2,654
	9	2,676
	10	2,792
	11	2,896
	12	2,891
WORK OVER →	13	3,711
	14	5,338
	15	4,126
	16	4,007