

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

# Energy Minerals and Natural Resources Department

## Oil Conservation Division

2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

Revised 06/95

SUBMIT ORIGINAL  
PLUS 2 COPIES  
TO APPROPRIATE  
DISTRICT OFFICE

APPLICATION FOR  
WELL WORKOVER PROJECT

JUL 12 1999

OIL CON. DIV.  
DIST. 3

### I. Operator and Well

Operator name & address Phillips Petroleum 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 49A		API Number 30-039-21315	
UL	Section 35	Township 29N	Range 6W	Feet From The 1830'	North/South Line North	Feet From The 1170'	East/West Line West	County Rio Arriba	

### II. Workover

Date Workover Commenced: 8/31/98	Previous Producing Pool(s) (Prior to Workover):  Blanco Mesaverde
Date Workover Completed: 9/9/98	

### 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:

1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
3. 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 9/9/98.

Signature District Supervisor <u>SS. J</u>	OCD District <u>3</u>	Date <u>7/16/99</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

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 E. 1830' FNL & 1170' FWL  
Section 35, T29N, R6W

5. Lease Designation and Serial No.

NM-012670

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

San Juan 29-6 Unity

8. Well Name and No.

SJ 29-6 Unit #49A

9. API Well No.

30-039-21315

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.

RECEIVED  
98 SEP 15 PM 12:11  
070 FARMINGTON, NM

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

Signed

*Patsy Cliggett*

Title

Regulatory Assistant

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

Date

SEP 29 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.

FARMINGTON DISTRICT OFFICE

\* See Instruction on Reverse Side

OPERATOR

**San Juan 29-6 Unit #49A**  
**NM-012670; Unit E, 1830' FNL & 1170' FWL**  
**Section 35, T29N, R6W; Rio Arriba County, NM**

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

8/31/98

MIRU Big A #40. Killed well. ND WH & NU BOPs. COOH w/2-3/8" tubing. RIH w/bit & scraper and tag at 5085'. COOH. RIH w/4 1/2" CIBP & set @ 5025'. Load hole & pressure test CIBP & casing to 500 psi - 30 min. OK. RIH to log well from 5023' - 3524' (liner top) Good bond. Logged under 250 psi from 3524' - surface. Top of cement - 2215'. RIH & perf'd Lewis Shale interval @ 1 spf (.38" holes) 120 degree phased holes as follows: (Huerfanito Bentonite not present, equivalent stratigraphic depth is 3769').

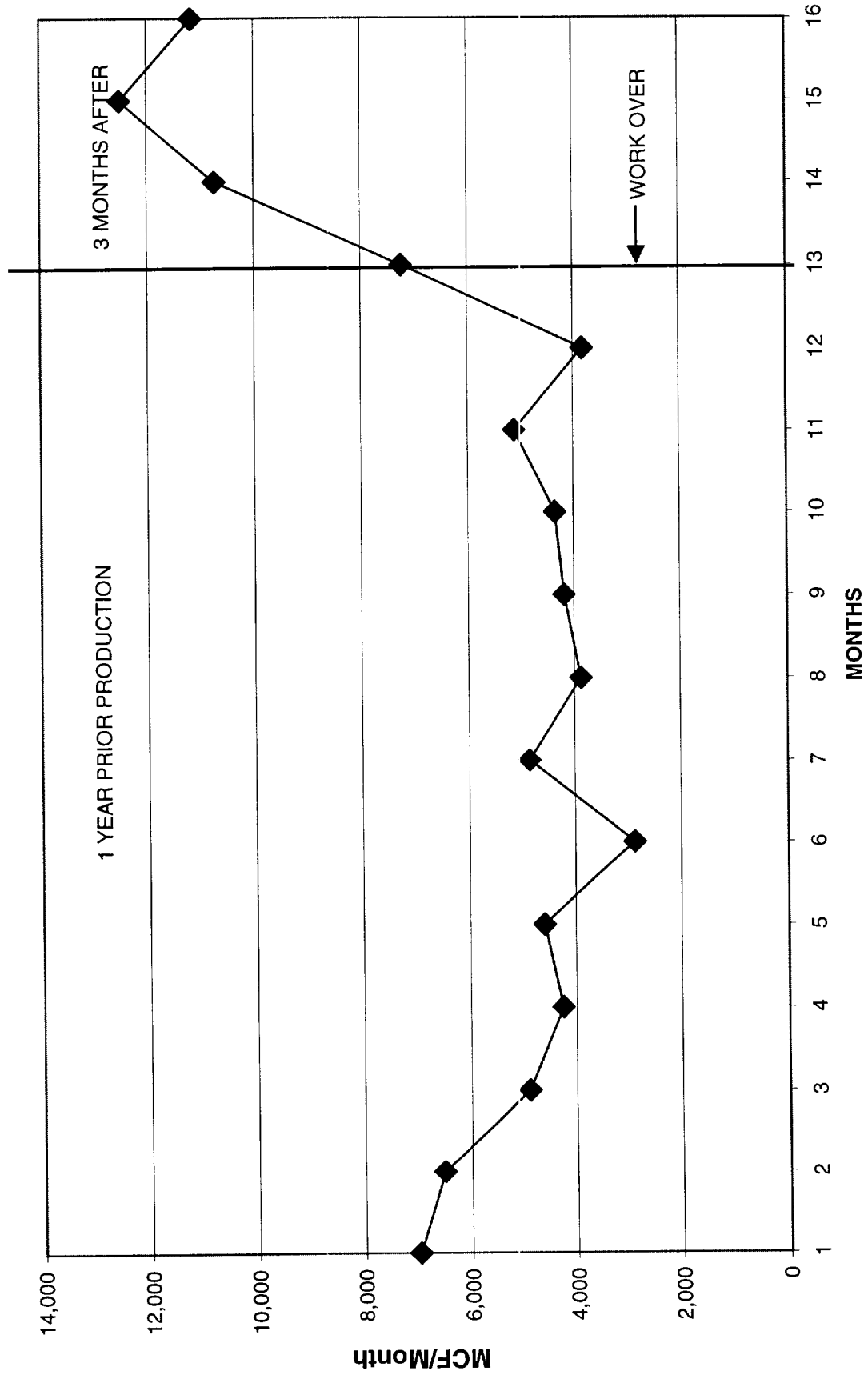
4601' - 4604' (3');	4520' - 4523' (3');	4512' - 4515' (3');	4488' - 4491' (3');
4475' - 4478' (3');	4463' - 4466' (3');	4390' - 4393' (3');	4364' - 4367' (3');
4355' - 4358' (3');	4344' - 4347' (3');	4328' - 4331' (3');	4314' - 4317' (3'); 36 Holes Total

GIH w/4 1/2" packer & set @ 4120'. 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 @ 3541'. PT casing annulus & packer to 500 psi -OK. RU to frac Lewis Shale. Pumped 70,880 gal 60 Quality N2 30# X-link borate foam w/195,060 # 20/40 Brady Sand. Tagged all sand with .435 millicuries/1000# of iridium 192. Total N2 834,000 scf, total fluid to recover 699 bbls. ATP - 2300 psi, ATR - 45 bpm. ISIP - 400 psi. Flowed back on 1/4" & 1/2" choke for approximately 33 hrs.

Released packer and COOH. RIH & cleaned out to CIBP @ 5025'. Drilled out CIBP and chased down 5630' (PBSD). RIH w/2-3/8" 4.7# tubing and cleaned out to PBSD. Land tubing 5533' with "F" nipple set @ 5500'. ND BOPs & NU WH. Pumped off exp. check. RD & released rig 9/9/98. Turned well over to production department.

# 29-6 #49A Workover Production Increase



API #	29-6 #49A	MCF/Month
30-039-21315	1	6,983
	2	6,516
	3	4,896
	4	4,251
	5	4,598
	6	2,876
	7	4,859
	8	3,872
	9	4,185
	10	4,354
	11	5,123
	12	3,824
WORK OVER →	13	7,243
	14	10,739
	15	12,507
	16	11,175