

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 O-140
Revised 06/99
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

Operator name & address
Phillips Petroleum
5525 Hwy. 64
Farmington, NM 87401

Contact Party
Patsy Clugston

Property Name
San Juan 29-6 Unit

Well Number
48A

OGRID Number

017654

Phone
505-599-3454

API Number
30-039-21316

UL	Section	Township	Range	Feet From The	North/South Line	Feet From The	East/West Line	County
I	35	29N	6W	1720	south	1170	east	Rio Arriba

II. Workover

Date Workover Commenced: Previous Producing Pool(s) (Prior to Workover):

8/24/98

Date Workover Completed:

8/31/98

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)
) ss.

County of San Juan)

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.

Nancy J. Brown
Notary Public

My Commission expires: 10-8-2001

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 8/31/98.

Signature District Supervisor

OCD District

Date

35.5

3

7/16/99

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 I, 1720' FSL & 1170' FEL
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 Unit

8. Well Name and No.

SJ 29-6 Unit #48A

9. API Well No.

30-039-21316

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.

070 FARMINGTON, NM
93 SEP -4 11:10:39
RECEIVED

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

Signed Patsy Chugston Title Regulatory Assistant

Date 9/1/98

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

ACCEPTED FOR RECORD

SEP 25 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 #48A
NM-012670; Unit I, 1720' FSL & 1170' FEL
Section 35, T29N, R6W; Rio Arriba County, NM

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

8/24/98

MIRU Big A #40. Killed well. ND WH & NU BOPs. RIH & tagged @ 5707'. COOH w/2-3/8" tubing. RIH w/bit & scraper to 5150'. RIH & set 4-1/2" CIBP @ 5050'. PT casing and CIBP to 500 psi – 30 min. Held OK. RIH to log well from 5044' – 3567' (liner top) good bond. Logged 7" under 250 psi from 3567' to surface. TOC – 2970'. RIH & perf'd Lewis Shale interval @ 1 spf (.38" holes) 120 degree phased holes as follows: (Huerfanito Bentonite not present, equivalent stratigraphic depth is 3860').

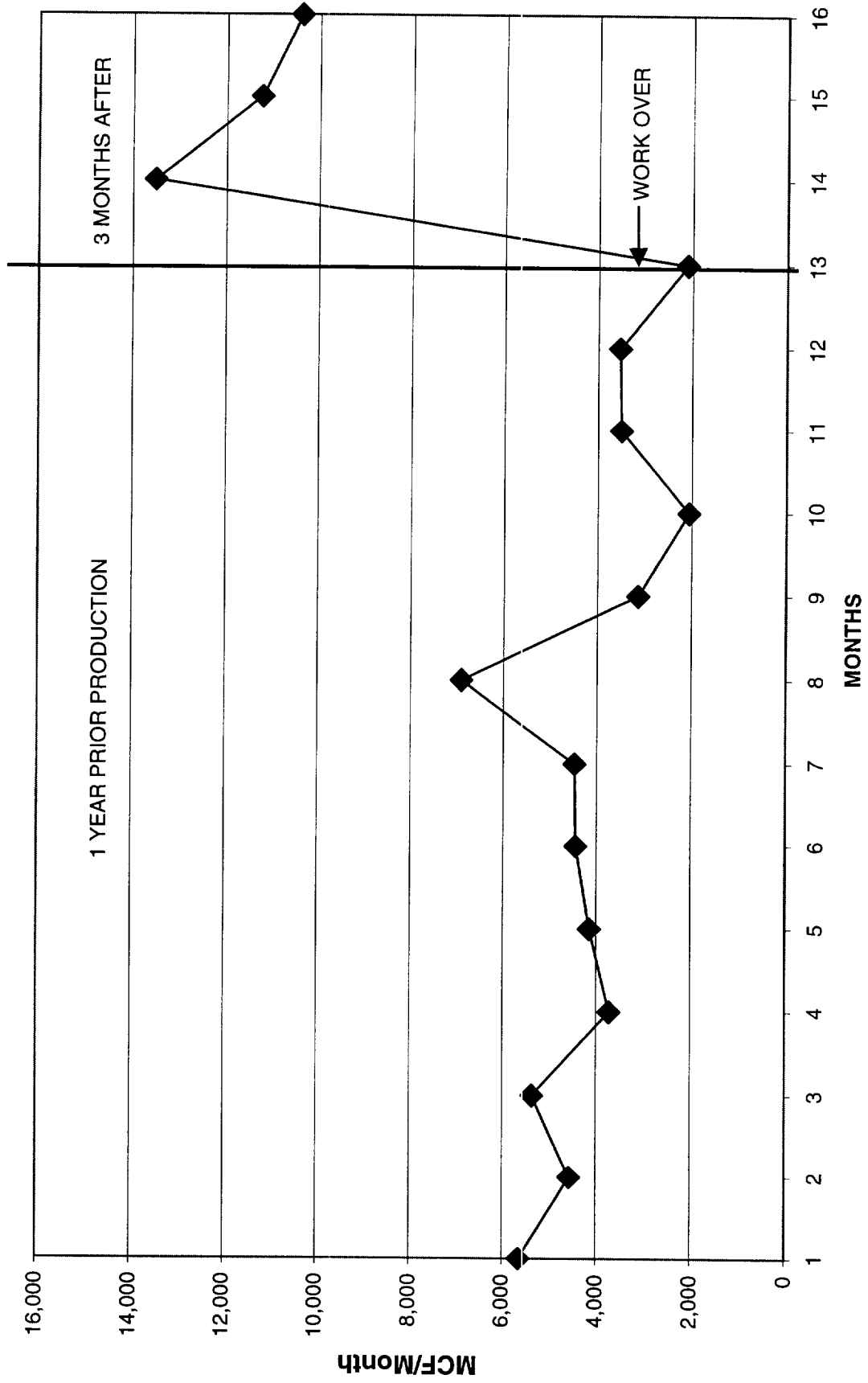
4751' – 4754' (3');	4704' – 4707' (3');	4646' – 4649' (3');	4637' – 4640' (3');
4630' – 4633' (3');	4563' – 4566' (3');	4540' – 4543' (3');	4525' – 4528' (3');
4509' – 4512' (3');	4437' – 4440' (3');	4392' – 4395' (3');	4370' – 4373' (3'); 36 holes Total

GIH w/4 1/2" packer 4188'. 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 inside the liner top @ 3601'. PT- OK. RU to frac Lewis Shale. Pumped 78,727 gal 60 Quality N2 30# X-link borate from w/198,480 # 20/40 Brady sand. Total N2 917,000 scf, Total fluid to recover 620. ATR 45 bpm and ATP – 2700 psi. ISIP – 630. Flowed back on 1/4" chokes for approx. 42 hrs.

Released packer and COOH. RIH & cleaned out to CIBP @ 5050'. Drilled out & chased CIBP to 5709'. RIH w/2-3/8" 4.7# tubing and cleaned out to 5709'. Land tubing @ 5592' with "F" nipple @ 5560'. ND BOPs & NU WH. Pumped off exp. check. RD & released rig 8/31/98. Turned well over to production department.

29-6 #48A Workover Production Increase



API #	29-6 # 48A	MCF/Month
30-039-21316	1	5,647
	2	4,567
	3	5,365
	4	3,726
	5	4,147
	6	4,443
	7	4,473
	8	6,907
	9	3,139
	10	2,063
	11	3,506
	12	3,536
WORK OVER →	13	2,107
	14	13,514
	15	11,243
	16	10,392