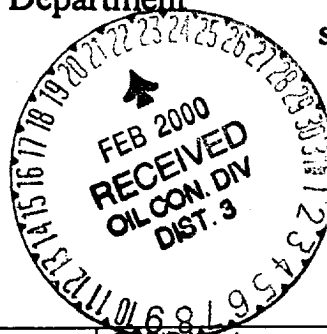


RECEIVED
District II - (505) 748-1283
811 S. First
Alameda, NM 86210
District III - (505) 334-6178
1000 Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department

Oil Conservation Division

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



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 49		API Number 30-039-07474	
UL N	Section 35	Township 29N	Range 6W	Feet From The 1090	North/South Line South	Feet From The 1650	East/West Line West	County Rio Arriba

II. Workover

Date Workover Commenced: 2/23/99	Previous Producing Pool(s) (Prior to Workover): Blanco Mesaverde
Date Workover Completed: 3/24/99	

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 Sr. Regulatory/Proration Clerk Date 2/14/00
SUBSCRIBED AND SWORN TO before me this 14 day of February, 2000

My Commission expires: 10/2/2003

Gillian Armenta
Notary Public

OFFICIAL SEAL
GILLIAN ARMENTA
NOTARY PUBLIC - NEW MEXICO
Notary Bond Filed with Secretary of State
MY COMMISSION EXPIRES 10/2/2003

FOR OIL CONSERVATION DIVISION USE ONLY:

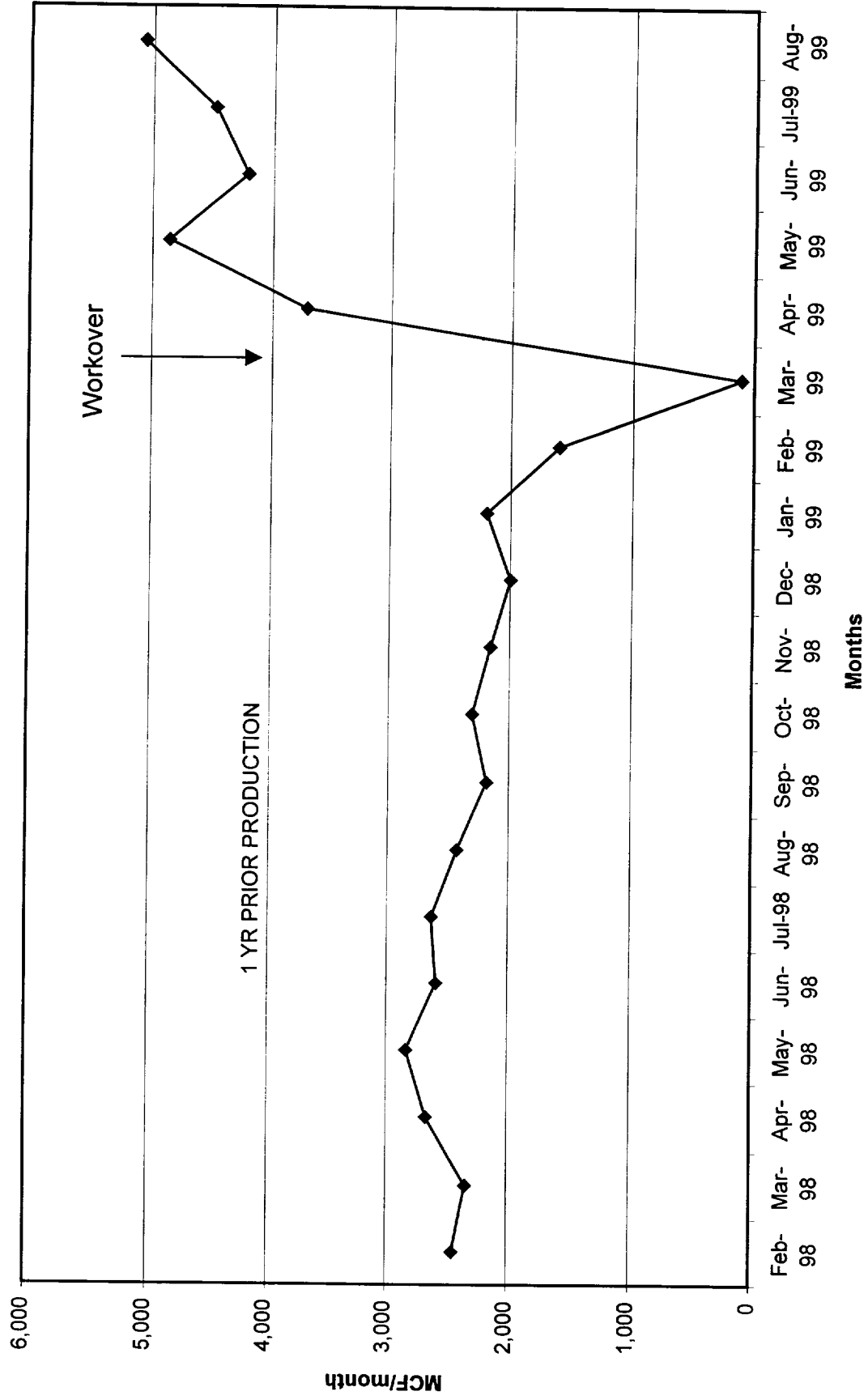
VI. CERTIFICATION OF APPROVAL:

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 3/24/99.

Signature District Supervisor <u>323</u>	OCD District <u>3</u>	Date <u>2/7/00</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: _____

29-6 #49 Workover Production Increase



API #	29-6 #49	MCF/Month
30-039-07474	Feb-98	2,450
	Mar-98	2,342
	Apr-98	2,670
	May-98	2,834
	Jun-98	2,591
	Jul-98	2,632
	Aug-98	2,425
	Sep-98	2,182
	Oct-98	2,305
	Nov-98	2,158
	Dec-98	1,997
	Jan-99	2,197
	Feb-99	1,601
Workover →	Mar-99	106
	Apr-99	3,707
	May-99	4,859
	Jun-99	4,210
	Jul-99	4,482
	Aug-99	5,064
	Sep-99	4,316

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

5. Lease Designation and Serial No.

SF-078960

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 #49

9. API Well No.

30-039-07474

10. Field and Pool, or exploratory Area

Blanco Mesaverde

11. County or Parish, State

Rio Arriba, NM

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 N, 1090' FSL & 1650' FWL
Section 35, T29N, R6W

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 squeeze cement behind pipe before adding pay and stimulating the Lewis Shale interval within the existing Mesaverde formation.

RECEIVED
BLM
59 MAR 30 PM 12:18
070 FARMINGTON, NM

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

Signed

Patsy Clayton

Title

Regulatory Assistant

Date

3/26/99

(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.

APR 19 1999

* See Instruction on Reverse Side

OPERATOR

FARMINGTON FIELD OFFICE
BY *Sm*

San Juan 29-6 Unit #49
SF-078960; Unit N, 1090' FSL & 1650' FWL
Section 35, T29N, R6W; Rio Arriba County, New Mexico

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

2/23/99

MIRU Key Energy Rig #40. Killed well. RD WH & NU BOPs. PT – OK. Unset donut & POOH w/58 jts. 1-1/4" tubing. Had to fish rest of 1-1/4" tubing (all recovered). COOH. RIH w/scraper & tagged down to 5000'. COOH. RIH w/5-1/2" N-1 CIBP & set @ 4975'. Load hole & PT casing & CIBP to 500 psi 30 min. Held OK.

GIH & ran GR/CCL/CBL from 4970' to surface. No cement behind pipe. GIH w/3-1/8" squeeze gun & perforated 2 spf @ 4800' & also @ 4025'. RIH w/5-1/2" cement retainer & set @ 4745'. Established injection rates in both sets of squeeze holes. No communication between squeeze holes @ 4800' & 4025'. RU to squeeze. Pumped 60 sx CI H w/2% CaCl₂, yield @ 1.2 into 4800'. Displaced w/18 bbls water. Sting out of retainer & reversed out 2 bbls cement to surface. Plug down @ 1520 hrs 3/16/99. RIH w/5-1/2" fullbore packer & set @ 3700'. Pumped 55 sx CI H cement w/3% CaCl₂, yield 1.2. Displaced with 17 bbls water. WOC. RD BJ & plug down 1324 hrs 3/16/99. Estimated top of cement @ 3850' – 3900'.

Released packer & COOH w/packer. RIH w/4-3/4" bit & scraper & tagged top of cement @ 3836'. Drilled cement stringers from 3836' – 3850' & cement from 3850' – 4050'. PT casing & squeeze to 500 psi – 30 min. OK. RIH & cleaned out debris & drilled on retainer @ 4745'. COOH. GIH w/4-3/4" bit & tagged top of cement @ 4748'. Drilled out cement to 4810'. PT casing & squeeze to 500 psi – 30 min. OK. GIH & tagged CIBP @ 4975'. Circulated hole. Ran GR/CCL/CBL from 4970' to 3800'. Good bond to 3950'. GIH & set CIBP @ 4740'. Dumped 10 gal sand on top of CIBP. Perf'd Lewis Shale interval @ .38" 120 degree phased holes as follows (Huerfanito Bentonite not present, equivalent stratigraphic depth is 3948').

4707' – 4710' (3');	4658' – 4661' (3');	4597' – 4600' (3');	4586' – 4589' (3');
4524' – 4527' (3');	4478' – 4481' (3');	4464' – 4467' (3');	4393' – 4396' (3');
4353' – 4356' (3');	4345' – 4348' (3');	4328' – 4331' (3');	4224' – 4227' (3'); Total 36 holes

RU BJ to acidize Lewis Shale interval 4224' – 4710'. Pumped 1000 gal 15% HCL acid & ballsealers. Released packer & knocked balls off. COOH. Reset Packer @ 4140'. RU to frac. Pumped 62,476 gal 60 Quality N2 30# X-link Borate foam w/200,420 # 20/40 Brady sand. Total N2 – 916,000 scf. Total fluid to recover 703 bbls. ATP – 3200 psi, with ATR – 40 bpm. ISIP – 380 psi. Flowed back immediately on 2 (1/4" & 1/2") chokes for approx. 44 hours.

Released packer & COOH. RIH & cleaned out fill to CIBP @ 4770'. Drilled out CIBP. Tagged up #2 CIBP @ 4975'. Drilled out & chased to 5647'. Drilled on debris from 5647' – 5648' (PBTD). COOH. RIH w/2-3/8" 4.7# tubing and landed @ 5566' with "F" nipple set @ 5533'. ND BOP & NU WH. Pumped off check. RD & released rig 3/24/99. Turned well over to production department.