

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 43		API Number 30-039260070	
UL G	Section 26	Township 29N	Range 6W	Feet From The 1650	North/South Line North	Feet From The 1650	East/West Line East	County Rio Arriba

II. Workover

Date Workover Commenced: 11/14/98	Previous Producing Pool(s) (Prior to Workover): Blanco Mesaverde
Date Workover Completed: 12/24/98	

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)
) ss.
County of San Juan)

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.

Gillian 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 12/24/98.

Signature District Supervisor <u>[Signature]</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

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 G, 1650' FNL & 1650' FEL
Section 26, T29N, R6W

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 #43

9. API Well No.

30-039-60070

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 squeeze cement around liner top and then add pay and stimulate the Lewis Shale interval within the existing Mesaverde formation.

RECEIVED
BLM
99 JAN -4 AM 11:40
070 FARMINGTON, NM

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

Signed Felipe Chaguiton Title Regulatory Assistant Date 12-30-98

(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.

JAN 05 1999

* See Instruction on Reverse Side

OPERATOR

FARMINGTON DISTRICT OFFICE
Sum

San Juan 29-6 #43
SF-078284; Unit G, 1650' FNL 7 1650' FEL
Section 26, T29N, R6W; Rio Arriba County, New Mexico

**Procedure used squeeze cement around liner top and then perf & stimulate the
Lewis Shale interval in the existing Mesaverde formation.**

11/14/98

MIRU Big A #29. Killed well. ND WH & NU BOPs. COOH w/1-1/4" tubing (had to fish tubing 27 days – 100% recovered). COOH. RIH w/5-1/2" CIBP & set @ 5000'. Load hole & PT casing to 500 psi. Bled down to 0 in 15 min. RU Blue Jet & ran cased hole logs – GR, CCL, CBL from 5000' to surf. TOC – 4152'. Blue Jet perf 2 squeeze holes @ 4000'. RIH w/5-1/2" RBP & set @ 4084'. PT CIBP @ 5000'. OK. Unseat packer and reset @ 3976'. Established injection rate. RIH w/5-1/2" cement retainer & set @ 3945'. RU BJ to cement. Sting into cement retainer & pumped 10 bbls of H₂O ahead. Mixed & pumped 100 sx of Cl H 2% cement @ 15.6 ppg. Hold squeeze pressure to 1500 psi. Sting out of cement retainer & pulled up to liner top. Reversed out 50 bbls of H₂O. Mixed & spot a 10 sx Cl H 2% cement plug from 3360 – 3405'. Pulled up 90' & pressured up on cement plug to 1000 psi. Squeeze ½ bbl cement into liner top. Released pressure & reversed out 15 bbls of H₂O.

RIH w/6-3/4" bit & tagged cement @ 3370'. Drilled out medium hard cement from 3370' – 3405'. Circ. PT liner top, casing and pipe rams to 600 psi. held good. Drilled cement from 3946' – 3956' & cement retainer @ 3956'. Dropped down & drilled cement from 3996' – 4000' (squeeze holes). Circulated bottoms up. POOH.

RU Blue Jet WL & reran GR, CCL, & CBL logs under pressure from 5000' to 3400'. Good cement from squeeze holes @ 4000' to the top of the cement @ 3814'. RU to perf. the Lewis Shale interval @ 1spf (.38") with 120 degree phased as follows: (Huerfanito Bentonite not present, equivalent stratigraphic depth is 4037').

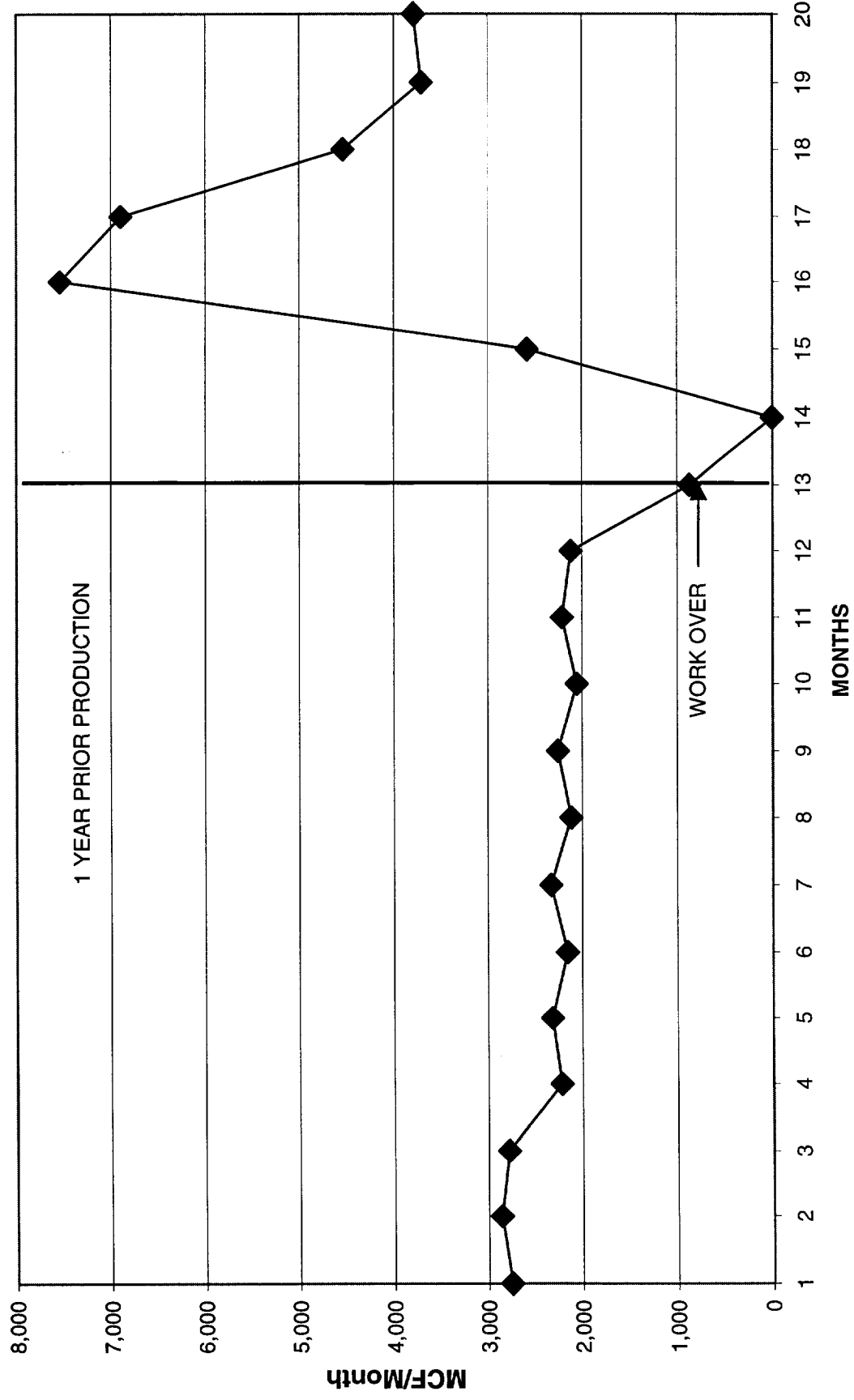
4735' – 4738' (3');	4638' – 4641' (3');	4548' – 4551' (3');	4484' – 4487' (3');
4452' – 4455' (3');	4372' – 4375' (3');	4320' – 4323' (3');	4297' – 4300' (3');
4190' – 4393' (3');	4106' – 4109' (3');	4088' – 4091' (3');	4054' – 4057' (3'); Total 36 holes

GIH w/5 ½" packer & set @ 3832'. 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 5 ½" packer @ 3430'. PT casing annulus to 500 psi – OK. RU to frac Lewis Shale. Pumped 69,500 gal of 60 Quality N₂ foam consisting of 28,920 gal of 30# X-link gel & 799,000 scf N₂ gas. Pumped 199,400 # of 20/40 Brady sand. Flushed w/62 bbls of 2% KCl H₂O. ISDP – 510 psi. Avg. rate 45 bpm. ATP – 2450 psi. Flowed back on ½" choke for approximately 38 hrs.

Released & COOH w/packer. RIH & cleaned out to 5000'. Drilled out CIBP. Circulated up. Cleaned out to 5660' (PBTD). RIH w/2-3/8" 4.7# tubing and set @ 5617' with "F" nipple set @ 5586'. ND WH & NU BOPs. PT – OK. Pumped off exp. Check. RD & released rig 12/24/98. Turned well over to production department.

29-6 #43 Workover Production Increase



API #	29-6 #43	MCF/Month
30-039-60070	Nov-97	2,755
	Dec-97	2,863
	Jan-98	2,784
	Feb-98	2,222
	Mar-98	2,317
	Apr-98	2,158
	May-98	2,331
	Jun-98	2,116
	Jul-98	2,258
	Aug-98	2,056
	Sep-98	2,214
WORK OVER	Oct-98	2,120
	Nov-98	872
	Dec-98	0
	Jan-99	2,583
	Feb-99	7,540
	Mar-99	6,895
	Apr-99	4,540
	May-99	3,709
	Jun-99	3,789