

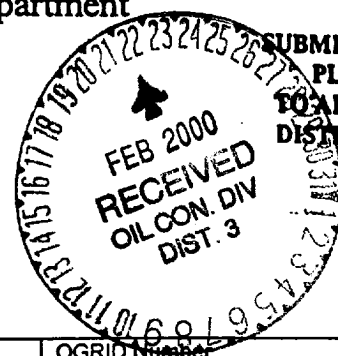
1625 N. French Dr  
Hobbs, NM 88241-1980  
District II - (505) 746-1283  
811 S. First  
Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department

Oil Conservation Division

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

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 Blanco					Well Number 7		API Number 30-045-60250	
UL L	Section 35	Township 31N	Range 8W	Feet From The 1450	North/South Line South	Feet From The 1050	East/West Line West	County San Juan

II. Workover

Date Workover Commenced: 5/7/99	Previous Producing Pool(s) (Prior to Workover):  Blanco Mesaverde
Date Workover Completed: 5/26/99	

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.

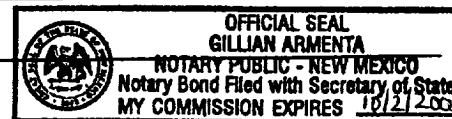
Patsy Clugston, being first duly sworn, upon oath states:

- 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.

Gillian Armenta  
Notary Public

My Commission expires: 10/2/2003



FOR OIL CONSERVATION DIVISION USE ONLY:

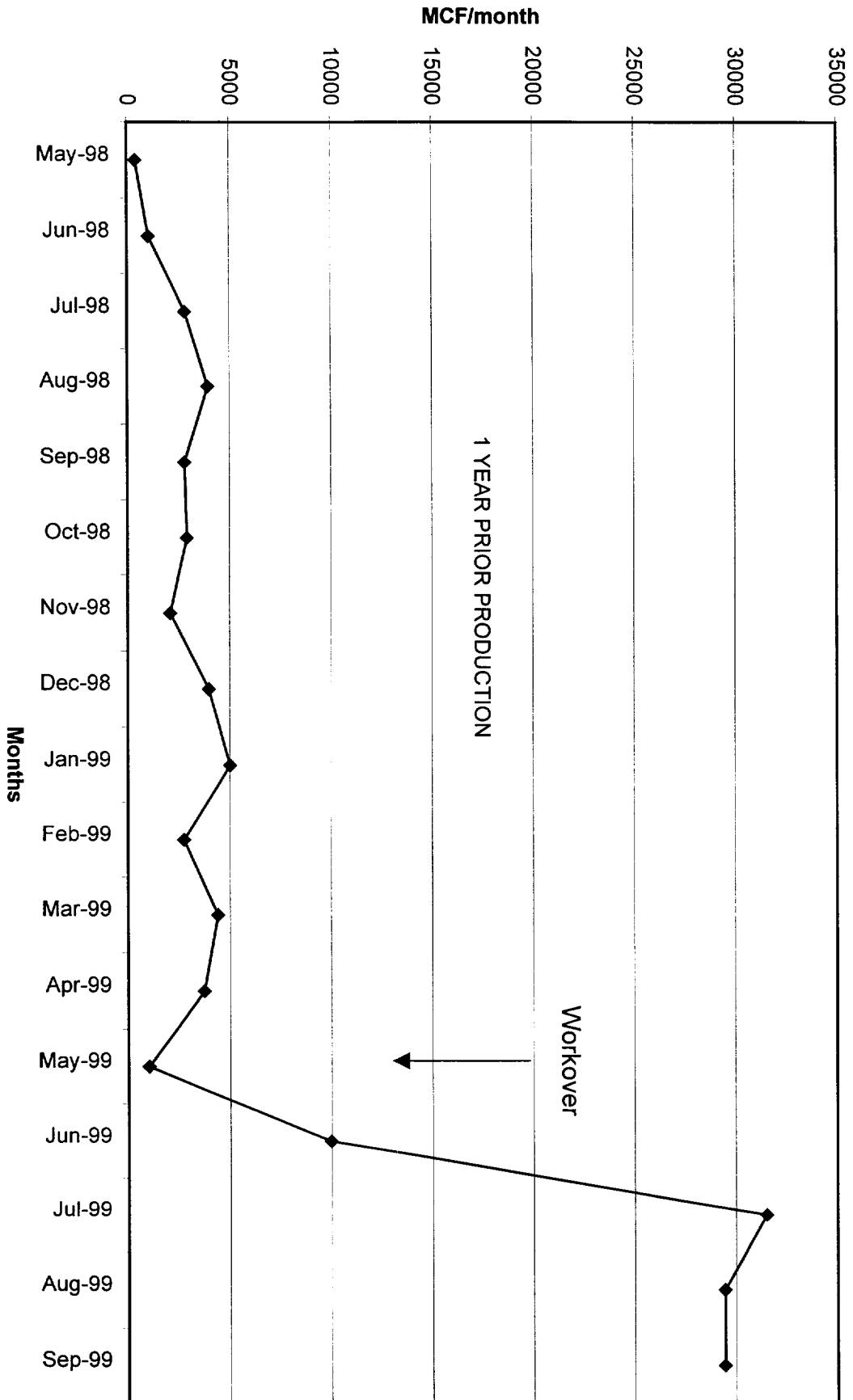
VI. CERTIFICATION OF APPROVAL:

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 5/26/99.

Signature District Supervisor <u>35.7</u>	OCD District <u>3</u>	Date <u>3/5/00</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: \_\_\_\_\_

# Blanco #7 Workover Production Increase



API #	Blanco #7	mcf/Month
30-045-60250	May-98	413
	Jun-98	1,058
	Jul-98	2,809
	Aug-98	3,926
	Sep-98	2,783
	Oct-98	2,908
	Nov-98	2,079
	Dec-98	3,971
	Jan-99	5,010
	Feb-99	2,738
	Mar-99	4,393
	Apr-99	3,723
Worrkover	→ May-99	1,018
	Jun-99	9,976
	Jul-99	31,512
	Aug-99	29,465
	Sep-99	29,465

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 L, 1450' FSL & 1050' FWL  
Section 35, T31N, R8W

5. Lease Designation and Serial No.

NM-012641

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Blanco

8. Well Name and No.

Blanco #7

9. API Well No.

30-045-60250

10. Field and Pool, or exploratory Area

Blanco Mesaverde

11. County or Parish, State

San Juan, 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 Squeeze cement & add pay  
☐ 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 the attached for the procedure used to squeeze cement to cover the Lewis Shale interval before adding pay and stimulating. The Lewis Shale interval is within the existing Mesaverde formation.

RECEIVED  
BLM  
59 JUN -4 PM 1:33  
070 FARMINGTON, NM

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

Signed

*Patsy Clugston*

Title

Regulatory Assistant

Date

6/2/99

(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 statement or representations as to any matter within its jurisdiction.

\* See Instruction on Reverse Side

OPERATOR

FARMINGTON FIELD OFFICE  
BY *Sm*

JUN 6 1999

**Blanco #7**  
**NM-012641; Unit L, 1450' FSL & 1050' FWL**  
**Section 35, T31N, R8W; San Juan County, New Mexico**

**Procedure used to perf & stimulate the Lewis Shale interval**  
**after squeezing cement behind pipe.**

5/7/99

MIRU Key Energy #40. Kill well w/2% KCL. ND WH & NU BOPs. COOH w/2-3/8" tubing. RIH w/bit & scraper and tag down to 5490'. Cleaned out fill to 5420'. RIH w/CIPB & set @ 5290'. Load hole & PT, 550 psi - OK. RU Blue Jet & ran GR/CCL/CBL from 5290 to surface. TOC - 5050'. Shot 4 squeeze holes @ 4925'. RU BJ to cement. RIH w/5" cement retainer & set @ 4889'. Pumped 50 sx CI H cement w/2% CaCl<sub>2</sub> & 1/2# Flake @ 2 bpm @ 50 psi. Displaced w/18.5 bbl H<sub>2</sub>O. Stung out of retainer & reversed 2 bbls of cement to pit. POOH. RU Blue Jet & ran GR/CBL from 4880 - 4700'. TOC 4810'. Shoot 4 squeeze holes @ 4765'. RIH & set 5" cement retainer @ 4735'. PT - OK. Pumped 150 sx Class H cement w/2% CaCl<sub>2</sub> 7 1/4# Flake. Displaced w/18.5 bbls H<sub>2</sub>O. Stung out of retainer & reversed 2 bbls of cement to pit. POOH.

RU Blue Jet & ran CBL from 4730' - 4490' TOC 4650'. Shoot 4 squeeze holes @ 4195'. RU BJ to squeeze. Pumped 60 bbls of 2% KCl. RIH w/5" cement retainer & set @ 4165'. PT - OK. Pumped 150 sx CI H cement w/2% CaCl<sub>2</sub> @ 15.6 ppg. Displaced with 10 bbls @ 2 bpm @ 1250 psi, then slowed down to 1 bpm for last 6 bbls. Final squeeze pressure 700 psi. Reversed 10 sx cement to pit. POOH.

Drilled out cement and retainers to last one at 4965'. POOH. RU Blue Jet and ran GR/CCL & CBL from 5280' - 2850'. TOC 2990'. RU to perf Menefee @ 1 spf (.31") holes as follows - Total 13 holes:

5264', 5259', 5228', 5226', 5224', 5191', 5188', 5183', 5168', 5165', 5133', 5125' & 5115'.

RU to acide Menefee w/900 gal of 15% HCL acid. RU to frac. Pumped 42,401 gal slick water containing .7 gal per 1000 gal FRW-30 & 1.0 gal per 1000 gal of Flow-back 20. Pumped 4200 gal pad followed by 51,140 # 20/40 Brady sand. ATP - 2600 psi, ATR - 28 bpm. ISDP - 400 psi. RD Frac head. & unset packer & POOH. RIH & perf'd Cliffhouse @ 1 spf (.31") holes - Total 13 holes.

5016', 5014', 5010', 5006', 4995', 4986', 4985', 4982', 4970', 4968', 4932', 4928', 4924'

Set 5" CIBP @ 5032'. PT - OK. Spot with 100 gal w/15% HCL acid. Reset packer @ 4720'. Acidize Cliffhouse with 400 gal (9.5 bbls) of 15% HCL & ballsealers. Unset packer & knocked balls off. POOH w/packer. Reset packer @ 62'. RU BJ to frac Cliffhouse interval. Pumped 46,098 gal of slick water containing .7 gal per 1000 gal of FWR-30 & 1.0 gal per 1000 gal of Flo Back-20. Pumped a 4116 gal pad followed by 52,900 # of 20/40 Brady sand. ATR-30 bpm & ATP - 2100 psi. ISDP - 250 psi. RD frac head & unset packer & POOH.

RU Blue Jet & set 5" N-1 CIBP @ 4750'. Perforated Lewis Shale interval @ 1 spf (.38") holes as follows:

4729' - 4732' (3');	4695' - 4698' (3');	4680' - 4683' (3');	4670' - 4673' (3');
4400' - 4403' (3');	4358' - 4361' (3');	4335' - 4338' (3');	4276' - 4279' (3');
4265' - 4268' (3');	4248' - 4251' (3');	4207' - 4210' (3');	4195' - 4198' (3') Total 36 holes

RIH w/5" FB Packer & set @ 4738'. RU BJ to acidize Lewis perms. Pumped 1000 gal 15% HCl acid. RU to frac. Pumped 64,457 gal of 65 Quality N<sub>2</sub> foam consisting on 24,906 gal of 30# X-link gel & 811,000 scf N<sub>2</sub>. Pumped 4200 gal foam pad followed by 197,000 # 20/40 Brady sand. ATR - 35 bpm, ATP - 2250 psi. ISDP - 1800 psi. Flowed back on 1/4" & 1/2" choke immediately for approx. 32 hours.

Unset packer & POOH. RIH, cleaned out & drilled out CIBPs @ 4750', 5032' & 5290'. RIH w/2-3/8" 4.7# tubing and cleaned out to 5544' (PBTD). PUH & land tubing @ 5435' with "F" nipple set @ 5401'. ND BOP & NU WH. PT - OK. Pumped off expendable check. RD & released rig 5/26/99. Turned well over to production department.