

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
SF-078410-A

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resvr.,  
Other \_\_\_\_\_

2. Name of Operator  
Phillips Petroleum Company

3. Address  
5525 Highway 64, NBU 3004, Farmington, NM 87401

4. Location of Well (Report location clearly and in accordance with Federal requirements)  
At surface Unit N, 1180' FSL & 1740' FWL

At top prod. interval reported below same as above

At total depth same as above

14. Date Spudded 4/23/71 15. Date T.D. Reached 5/3/71 16. Date Completed 4/8/01  
☐ D & A ☒ Ready to Prod.

18. Total Depth: MD 7948' TVD 7848' 19. Plug Back T.D.: MD 7910' new TVD 7910' new 20. Depth Bridge Plug Set: MD n/a TVD n/a

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

GR/CCL?CBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit)

## 23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
13-3/4"	9-5/8"	32.3#		223'		190 SX			
8-3/4"	7"	20#		3828'		190 SX			
6-1/4"	4-1/2"	11.6#		7948'		325 SX			

## 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	7830'	n/a						

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Mesaverde			5219' - 5721'	.34"	20	
B) Lewis Shale			4153' - 4711'	.36"	20	
C)						
D)						

## 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5219' - 5721'	1000 gal 15% HCL; 116,760 gal 70 Quality N2 30# X-link gel foam w/199,880# 20/40 sand & total of 1448 mscf N2.
4153' - 4711'	1000 gal 15% HCL; 67,410 gal 60 Quality N2 30# X-link gel foam w/200,100# 20/40 sand and total 723 mscf N2.

## 28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
4/9/01	3/30 & 4/4	1ea	→	total	2003	10			2 separate pitot tests
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
1/2" ea	n/a	320	→	total	2003	10			MV-test 280#-1753 mcf/d; L/S-40#-250 mcf/d

## 28a. Production-Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

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## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 29. Disposition of Gas (Sold, used for fuel, vented, etc.)

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Mesaverde	5216				
Pt. Lookout	5590				
Gallup	6826				
Greenhorn	7564				
Graneros	7620				
Dakota	7745				
These are the same tops as provided w/DK completion report dated 6/16/71					

## 32. Additional remarks (include plugging procedure):

This well was commingled on 4/9/01 and we will use the subtraction method of reporting production for 12 months at which time we will submit a final allocation ratio method based on production history.

## 33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd)    2. Geologic Report    3. DST Report    4. Directional Survey  
5. Sundry Notice for plugging and cement verification    6. Core Analysis    7. Other

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Patsy ClugstonTitle Sr. Regulatory/Proration ClerkSignature Date 4/10/01

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

## 1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

## 2. Name of Operator

Phillips Petroleum Company

## 3a. Address

5525 Highway 64, NBU 3004, Farmington, NM 87401

## 3b. Phone No. (include area code)

2505-599-3454

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit N, 1180' FSL & 1740' FWL  
Section 31, T29N, R5W

## 5. Lease Serial No.

SF-078410-A

## 6. If Indian, Allottee or Tribe Name

San Juan 29-5 Unit

## 8. Well Name and No.

SJ 29-5 Unit #54

## 9. API Well No.

30-039-20370

## 10. Field and Pool, or Exploratory Area

Basin Dakota

## 11. County or Parish, State

Rio Arriba, NM

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

- ☐
- Notice of Intent
- 
- ☒
- Subsequent Report
- 
- ☐
- Final Abandonment Notice

## TYPE OF ACTION

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                 |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                 |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other <u>Add MV</u> |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       | <u>pay to existing</u>                                  |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            | <u>DK well</u>  |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

See attached for the details of the procedure used to add MV pay to the existing DK well after replacing the top joint of 4-1/2" casing. There was a hole found in the casing @ 0-3' and this was the cause for the bradenhead test failure.

The MV and DK intervals were commingled on 4/9/01 when this well was returned to production. We would like to use the subtraction method for allocating production for the first 12 months & then will submit a final allocation ratio for the life of the well. The Dakota forecast for this well is as follows:

1st month - 3,302	2nd month - 3,192	3rd month - 3,295	4th month - 3,185
5th month - 3,288	6th month - 3,285	7th month - 3,175	8th month - 3,278
9th month - 3,169	10th month - 3,271	11th month - 3,268	12th month - 2,948

The Mesaverde perforations are between 4100'-5800' and the pore pressure is 750 psi. The Dakota perms between 7764'-8060' and the pore pressure is 1700 psi. The DHC Reference case in which partner notification was made was R-10770. The OCD will also receive a copy of this forecast.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Patsy Clugston

## Title

Sr. Regulatory/Proration Clerk

## Date

4/10/01

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

## Approved by

## Title

Date MAY 24 2001

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

## Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, 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.

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**San Juan 29-5 Unit #54**  
**SF-078410-A; API-30-039-20370**  
**Unit N, 1180' FSL & 1740' FWL; Sec. 31, T29N, R6W**  
**Rio Arriba County, NM**

**Details of the procedure used to add MV pay to the existing DK well and commingled.**

3/24/01

LO/TO location. MIRU Key Energy #29. Killed well. ND WH & NU BOP. PT-OK. COOH w/tubing. RIH w/bit & scraper to 7750'. COOH. RIH w/4-1/2" retainer & set @ 7695'. PT retainer to 200 psi – 20 minutes. OK. Load 2-3/8" X 4-1/2" casing annulus w/75 bbls clay water. PT BOP, rams, retainer & casing annulus to 400 psi – 15 minutes OK. Acidized DK perfs through tubing (under retainer w/1500 gal 15 % HCl & displaced w/10 bbls 2% KCL. Circ. hole to pit w/60 bbls 2% KC. Blue Jet ran GR/CCL/CBL. TOC @ 3680'. Isolated hole in 4-1/2" casing @ 0-3'. ND tubinghead and BOP, 4-1/2" casing jumped slips – test port on 7-1/2" tubing head was plugged giving the 2500 psi false PT on tubing head secondary seal. Backed off & replaced top joint of 4-1/2" casing. Set slips and tubing head & PT – 3000 psi. OK. PT BOP, casing & retainer to 2000 psi for 10 minutes – OK. Blue Jet perforated Mesaverde interval @ 1 spf .34" holes as follows:

5721', 5703', 5682', 5660', 5634', 5616', 5609', 5603', 5596', 5478'  
5441', 5381', 5370', 5360', 5287', 5277', 5269', 5259', 5230', 5219', Total 20 holes

Acidized perfs w/1000 gal 15% HCl. RU to frac. Pumped 116,760 gal 70 Quality N2 30# X-link gel foam w/199,880# 20/40 sand and total of 1448 mscf N2. Flowed back on 1/4" and 1/2" chokes. RD flowback equipment. Killed well w/30 bbls 2% KCL. RIH w/4-1/2" CIBP & set @ 5100'. PT-OK. Perforated Lewis Shale interval @ 1 spf .36" holes as follows:

4711', 4665', 4635', 4623', 4607', 4599', 4588', 4575', 4568', 4508',  
4498', 4478', 4462', 4451', 4444', 4437', 4430', 4326', 4233', 4153', Total 20 holes

RIH w/FBP & set @ 3964. PT – OK. Acidized Lewis Shale perfs w/1000 gal 15% HCL acid. Released packer. RU to frac. Pumped 67,410 gal 60 Quality N2 30# X-link gel foam w/200,100# 20/40 sand & total 723 mscf N2. Flowed back on 1/4" and 1/2" chokes. RD flowback equipment. RIH w/mill and cleaned out fill to CIBP @ 5100'. Drilled out CIBP. Circ. bottoms up. Continue downhole to CIBP @ 7695'. Drilled out CIBP and cleaned out to PBTD @ 7910'. Circ. bottoms up. COOH. RIH w/2-3/8". 4.7# tubing and set @ 7830' and "F" nipple set @ 7797'. ND BOP & NU WH. PT – OK. Pumped off expendable check. RD & released rig 4/8/01. Turned well over to production department to first deliver well as commingled.