Revised report, Geological tops incorrect on original report

Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMSF080596

1a. Type of Well: [ ] Oil Well [X] Gas Well [ ] Dry Other

b. Type of Completion: [ ] New Well [ ] Work Over [ ] Deepen [ ] Plug Back [X] Diff.Resvr,. Other

6. If Indian, Allotee or Tribe Name

7. Unit or CA Agreement Name and No. San Juan 29-6 Unit

2. Name of Operator: Phillips Petroleum Company

8. Lease Name and Well No. SJ 29-6 Unit #87M

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

3a. Phone No. (include area code): 505-599-3454

9. API Well No. 30-039-26187

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface: Unit O, 660' FSL & 2110' FEL

10. Field and Pool, or Exploratory: Blanco Mesaverde

At top prod. interval reported below: Same as above

11. Sec., T., R., M., or Block and Survey or Area: Section 33, T29N, R6W

At total depth: Same as above

12. County or Parish: Rio Arriba, 13. State: NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
8/16/99	8/23/99	[ ] D & A [X] Ready to Prod. 5/2?/00	6501'

18. Total Depth: MD / TVD	19. Plug Back T.D.: MD / TVD	20. Depth Bridge Plug Set: MD / TVD
7836' / same	783?' / same	6005' / same

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

GR/CCL/CBl - open hole logs (ran with Dakota completion)

22. Was well cored? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit report
Directional Survey? [X] No [ ] Yes (Submit

OCD's COPY

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
12-1/4"	9-5/8"	36#	0	367'		215 sx Cl H	45.94	surface	33 sx
8-3/4"	7"	20#	0	3709'		L-330 Cl H	169.18		
						T-100 Cl H	22.79	surface	8
6-1/4"	4-1/2"	11.6#	0	7834	5023'	L-275 Cl H	104.18		
						T-100 Cl H	22.79	3318'	0

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"	5210'	n/a						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Menefee	5212'	5542'	5300' - 5513'	.34"	24	
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
5212' - 5542'	1000 gal 15% HCL; 126,000 gal 70 Quality N2 foam w/54,220 # 20/40 sand, Total 1,300,900 cf 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
SI	5/21	1							Pitot
Choke Size	**Tbg. Press. Flwg.**	**Csg. Press.**	**24 Hr. →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas: Oil Ratio**	**Well Status**	
1/2"	n/a	160			1002	5		SI waint to first deliver	

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**	

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
Naciemento	1501				
Ojo Alamo	2525	2689	Sandstone		
Kirtland	2689	3053	Shale & sandstone		
Fruitland Fm	3053	3370	Shale, coal & sandstone		
Pictured Clf	3370	3561	Marine Sands		
Lewis Shale	3561	5136	Sandstone & shale		
Cliffhouse	5136	5212	Sandstone & shale		
Menefee	5212	5542	Sandstone & shale		
Pt. Lookout	5542	5568	Sandstone & shale		
Mancos Sh	5568	6773	Shale		
Gallup Ss	6773	7511	Sandstone & shale		
Greenhorn Ls	7511	7619	Limestone & shale		
Graneros Sh	7570	7619	Sandstone & shale		
Dakota	7619	7836	Sandstone & shale		

32. Additional remarks (include plugging procedure):

These are actual formation tops per John Bircher (contract geologist) - from open hole logs run 8/23/99.

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 Clugston Title Sr. Regulatory/Proration Clerk

Signature Patsy Clugston Date 5/26/00

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.

37. **SUMMARY OF POROUS ZONES:** (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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Ojo Alamo	2525	2689	Sandstone
Kirtland Sh.	2689	3053	Shale & sandstone
Fruitland	3053	3370	Shale, coal & sandstone
Picture Cliffs	3370	3561	Marine Sands
Lewis Shale	3561	5136	Sandstone & shale
Cliff House	5136	5212	Sandstone & shale
Menefee Fm.	5212	5542	Sandstone & shale
Pt Lookout	5542	5568	Sandstone & shale
Mancos Sh	5568	6773	Shale
Gallup Ss	6773	7511	Sandstone & shale
Greenhorn Ls	7511	7570	Limestone & shale
Graneros Sh	7570	7619	Sandstone & shale
Dakota Ss	7619	7836	Sandstone & shale

These are the actual forma

from open hole logs run 8/

DAKOTA

SJ 29-6 UT #87M

O-33-29N-6W

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH

Patsy
Why are the formation Tops different on this dual well. - they should both be the same?
I Can't approve C104 Till I know which is correct.

Danny

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

Mesaverde

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas.Depth
Naciemento	1501				
Ojo Alamo	2541	2711	Sandstone		
Kirtland	2711	3041	Shale & sandstone		
Fruitland Fm	3041	3396	Shale, coal & sandstone		
Pictured Clf	3396	3596	Marine Sands		
Lewis Shale	3596	5071	Sandstone & shale		
Cliffhouse	5071	5256	Sandstone & shale		
Menefee	5256	5581	Sandstone & shale		
Pt. Lookout	5581	5886	Sandstone & shale		
Mancos Sh	5886	6821	Shale		
Gallup Ss	6821	7561	Sandstone & shale		
Greenhorn Ls	7561	7611	Limestone & shale		
Graneros Sh	7611	7666	Sandstone & shale		
Dakota	7666	7831	Sandstone & shale		

SJ 29-6 UT # 87M
O-33-29N-6W

32. Additional remarks (include plugging procedure):

These are actual formation tops per John Bircher (contract geologist) - from open hole logs run 8/23/99.

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Signature Patsy Clugston Date 5/26/00

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FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMSF080596

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other

b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resvr.
Other

6. If Indian, Allotee or Tribe Name

7. Unit or CA Agreement Name and No. San Juan 29-6 Unit

2. Name of Operator Phillips Petroleum Company

8. Lease Name and Well No. SJ 29-6 Unit #87M

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

3a. Phone No. (include area code) 505-599-3454

9. API Well No. 30-039-26187

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface Unit O, 660' FSL & 2110' FEL

10. Field and Pool, or Exploratory Blanco Mesaverde

At top prod. interval reported below Same as above

11. Sec., T., R., M., or Block and Survey or Area Section 33, T29N, R6W

At total depth Same as above

12. County or Parish Rio Arriba, 13. State NM

14. Date Spudded 8/16/99

15. Date T.D. Reached 8/23/99

16. Date Completed ☐ D & A ☒ Ready to Prod. 5/22/00

17. Elevations (DF, RKB, RT, GL)* 6501'

18. Total Depth: MD 7836' TVD same

19. Plug Back T.D.: MD 7831' TVD same

20. Depth Bridge Plug Set: MD 6005' TVD same

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

GR/CCL/CBl - open hole logs (ran with Dakota completion)

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
12-1/4"	9-5/8"	36#	0	367'		215 sx Cl H	45.94	surface	33 sx
8-3/4"	7"	20#	0	3709'		L-330 Cl H	169.18		
						T-100 Cl H	22.79	surface	8
6-1/4"	4-1/2"	11.6#	0	7834	5023'	L-275 Cl H	104.18		
						T-100 Cl H	22.79	3318'	0

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"	5210'	n/a						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Menefee	5212'	5542'	5300' - 5513'	.34"	24	
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
5212' - 5542'	1000 gal 15% HCL; 126,000 gal 70 Quality N2 foam w/54,220 # 20/40 sand,
	Total 1,300,900 cf 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
SI	5/21	1							Pitot
Choke Size	**Tbg. Press. Flwg.**	**Csg. Press.**	**24 Hr. →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas: Oil Ratio**	**Well Status**	
1/2"	n/a	160			1002	5		SI waint to first deliver	

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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JUN 02 2000
FARMINGTON FIELD OFFICE
BY

FARMWOOD

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
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Pictured Clf	3396	3596	Marine Sands		
Lewis Shale	3596	5071	Sandstone & shale		
Cliffhouse	5071	5256	Sandstone & shale		
Menefee	5256	5581	Sandstone & shale		
Pt. Lookout	5581	5886	Sandstone & shale		
Mancos Sh	5886	6821	Shale		
Gallup Ss	6821	7561	Sandstone & shale		
Greenhorn Ls	7561	7611	Limestone & shale		
Graneros Sh	7611	7666	Sandstone & shale		
Dakota	7666	7831	Sandstone & shale		

32. Additional remarks (include plugging procedure):

These are actual formation tops per John Bircher (contract geologist) - from open hole logs run 8/23/99.

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12. County or Parish Rio Arriba, 13. State NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed ☐ D & A ☒ Ready to Prod.	17. Elevations (DF, RKB, RT, GL)*
8/16/99	8/23/99	5/22/00	6501'

18. Total Depth: MD / TVD	19. Plug Back T.D.: MD / TVD	20. Depth Bridge Plug Set: MD / TVD
7836' / same	7831' / same	6005' / same

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

GR/CCL/CBl - open hole logs (ran with Dakota completion)

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

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24. Tubing Record

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Depth Interval	Amount and Type of Material
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28. Production - Interval A

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SI	5/21	1							Pitot

Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status
1/2"	n/a	160			1002	5		SI waint to first deliver

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

ACCEPTED FOR RECORD
JUN 12 2000
FARMINGTON FIELD OFFICE

NMOCD

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.*)

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Menefee	5256	5581	Sandstone & shale		
Pt. Lookout	5581	5886	Sandstone & shale		
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32. Additional remarks (include plugging procedure):

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I submitted this
to the BLM +.
Haven't received
it back yet.
But this is
what I submitted
Thanks
Patsy

Dorothy