

(August 1999)

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

MAY 2001

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

1b. Type of Completion:
☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☐ Diff. Resvr.
Other OTHER

2. Name of Operator
AMOCO PRODUCTION COMPANY

3. Address
P.O. BOX 3092
HOUSTON, TX 77079

3a. Phone No.(include area code)
281.366.4491

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At Surface 1120FEL 940FSL
At top prod. interval reported below
At total depth

14. Date Spudded
11/15/1980

15. Date T.D. Reached
11/23/1980

16. Date Completed
☐ D & A ☒ Ready to Prod.
01/15/2001

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
WARREN 4

9. API Well No.
3004523970

10. Field and Pool, or Exploratory
BLANCO MESAVERDE

11. Sec., T., R., M., on Block and Survey
or Area SESE 13 28N 9W NMP

12. County or Parish
SAN JUAN

13. State
NM

17. Elevations (DF, RKB, RT, GL)*
GL 5931

18. Total Depth MD 6848
TVD

19. Plug Back T.D.: MD 6840
TVD

20. Depth Bridge Plug Set: MD
TVD

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

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit 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
12 250	9 625	36 000		267		225			
8 750	7 000	23 000		3706		400			
6 250	4 500	11 000	3554	6848		350			

24. Tubing Record								
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 375	6603							

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status	
A) MESAVERDE	4102	4875	4102 TO 4875		71		
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.		Amount and Type of Material	
Depth Interval			
4500 TO 4875		80,000 16/30 ARIZONA SAND & 70% Q FOAM	
4102 TO 4395		80,000 16/30 ARIZONA SAND & 70% Q FOAM(2)	

23. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/09/2001	01/09/2001	12	▶	1.0	425.0	1.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
3/4	SI	210.0	▶					PGW	▶

28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			▶						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		▶						

ACCEPTED FOR RECORD

MAY 24 2001

FARMINGTON FIELD OFFICE

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BY

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr Rate →	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 Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

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

30. Summary of Porous Zones (Include Aquifers):					31. Formation (Log) Markers	
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	Descriptions, Contents, etc.		Name	Top Meas. Depth
MESAVERDE	4102	4875			CLIFFHOUSE	3800
					MENEFEE	4102
					POINT LOOKOUT	4500
					MANCOS	4695
					GRANEROS	6165
					DAKOTA	6466

32. Additional remarks (include plugging procedure):
For daily recompletion and downhole commingling operations reports please see attached Subsequent Report.

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):
Electronic Submission #2439 Verified by the BLM Well Information System for AMOCO PRODUCTION COMPANY.
Sent to the Farmington Field Office. Committed to AFMSS for processing by Maurice Johnson on 01/29/2001
Name(please print) MARY CORLEY Title SUBMITTING CONTACT

Signature _____ Date 01/25/2001

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.

WARREN 4
RECOMPLETION & DOWNHOLE COMMINGLING SUBSEQUENT REPORT
01/25/2001

12/29/2000 MIRUSU @ 07:30 hrs. NDWH & NU BOP's. SDFN.

12/30/2000 TOH W/ TBG. SDFN.

01/02/2001 RU, TIH & set a CIBP @ 5050'. Load hole w/2% KcL water. Pressure Test CSG to 2500#. Held OK. RU & run CBL Log. RU & Perf 1st stage W/. 340 inch diameter, as follows:

Upper Point Lookout Perforations, 1 spf, 120° phasing (19 shots/ 19 holes):
4500', 4505', 4514', 4535', 4540', 4548', 4554', 4565', 4573', 4585', 4605',
4612', 4623', 4648', 4653', 4665', 4691', 4702', 4715'

Lower Point Lookout Perforations, 2 spf, 120° phasing (9 shots/ 18 holes):
4742', 4758', 4768', 4797', 4810', 4815', 4830', 4855', 4875'

01/03/2001 RU & Frac w/80,000# of 16/30 Arizona Sand & 70% Foam. RU & TIH w/CIBP & set @ 4425'. RU & Perf 2nd stage W/. 340 inch diameter as follows:

Upper Menefee, 2 spf, 120° phasing (17 shots/ 34 holes):
4102', 4110', 4135', 4150', 4157', 4180', 4195', 4235', 4245', 4275', 4285', 4313',
4330', 4339', 4350', 4385', 4395'

01/04/2001 RU & Frac w/80,000# of 16/30 Arizona Sand & 70% Foam. RU & Flow back well thru $\frac{1}{4}$ ". SDFN

01/05/2001 Flow back well on $\frac{1}{4}$ " choke. Upsized to $\frac{1}{2}$ " choke & flowed back then Upsized to $\frac{3}{4}$ " choke & flowed overnight to pit.

01/08/2001 TIH & tag fill @ 4510'. Circ clean to top of CIBP set @ 4425'. DO CIBP. TIH & C/O to 4900'. PU above perfs flow back on $\frac{3}{4}$ " choke overnight.

01/09/2001 TIH & tag fill @ 4475'. Circ clean to top of CIBP set @ 5050'. PU above perfs & flow test well 12 hrs. on $\frac{3}{4}$ " choke - 425 MCF gas, Trace WTR, Trace oil. CSG 210#.

01/10/2001 TIH & tag fill @ 5048'. PU above perfs & flow well to pit. SDFN

01/11/2001 TIH & found 3' fill. Circ clean. DO CIBP set @ 5050'. TIH & C/O to PBTD @ 6840'. PU to TOL & SDFN.

01/12/2001 TOH. TIH & W/ 2 3/8" production TBG & Land @ 6603'. ND BOP's & NUWH.

01/15/2001 Pull TBG plug. RDMOSU. Rig Released @ 15:00 hrs.