

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.
NMSF - 077123

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator AMOCO PRODUCTION COMPANY			Contact: MARY CORLEY E-Mail: corleyml@bp.com		
3. Address P.O. BOX 3092 HOUSTON, TX 77253			3a. Phone No. (include area code) Ph: 281.366.4491		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SENE 1850FNL 1050FEL At top prod interval reported below At total depth			8. Lease Name and Well No. WARREN 4E		
14. Date Spudded 10/02/2001 1994			15. Date T.D. Reached 10/09/2001 1994		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/19/2001			9. API Well No. 30-045-25965		
18. Total Depth: MD TVD 6729			19. Plug Back T.D.: MD TVD 6720		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory BLANCO MESAVERDE		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR			11. Sec., T., R., M., or Block and Survey or Area Sec 13 T28N R9W Mer NMP		
22. Was well cored? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis) Was DST run? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			12. County or Parish SAN JUAN		
			13. State NM		
			17. Elevations (DF, KB, RT, GL)* 6802 KB		

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	36.0	0	284		225		0	
8.750	7.000	23.0	0	3550		432		0	
6.250	4.500	11.0	3390	6726		360		3900	

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	6602								
25. Producing Intervals					26. Perforation Record				
Formation	Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status		
A) MESAVERDE	3976	4836	3976 TO 4336		3.130	36			
B)			4475 TO 4836		3.130	44			
C)									
D)									

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval			Amount and Type of Material						
3976 TO 4336			77,000# OF 16/30 BRADY SAND & 70% FOAM						
4475 TO 4836			80,000# OF 16/30 BRADY SAND & 70% FOAM						

28. 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
10/16/2001	10/16/2001	12	▶	1.0	283.0	1.0			FLWS FROM WELL
Choke Size	Tbg. Press. Flwg SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
		160.0	▶					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 SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			▶						

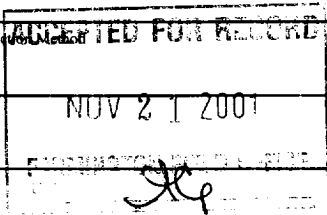
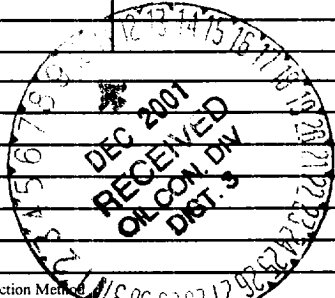
ACCEPTED FOR RECORD

NOV 21 2001

5:00 PM

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #8140 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
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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 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):

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	3976	4836		OJO ALAMO KIRKLAND FRUITLAND PICTURED CLIFFS LEWIS CHACRA CLIFFHOUSE MENELEE POINT LOOKOUT MANCOS GALLUP GRANEROS DAKOTA	1225 1330 1934 2221 2440 2830 3884 3960 4435 4710 5646 6480 6535

32. Additional remarks (include plugging procedure):

Well is now downhole commingling production from the Mesaverde and the existing Dakota Formations. Please see attached Report for daily well activity.

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 #8140 Verified by the BLM Well Information System.
For AMOCO PRODUCTION COMPANY, sent to the Farmington
Committed to AFMSS for processing by Maurice Johnson on 10/25/2001 ()

Name (please print) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 10/22/2001

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.

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WARREN 4E
RECOMPLETION & DOWNHOLE COMMINGLING SUBSEQUENT REPORT
10/22/2001

10/05/2001 MIRUSU @ 12:00 hrs. NDWH & NU BOP's. SDFN.

10/08/2001 TOH W/TBG RU, TIH & set a CIBP @ 4950'. Load hole w/2% KcL water. Pressure Test CSG to 2500#. Held Ok. RU & run GR Log. RU & Perf Point Lookout formation W/3.125 inch diameter, as follows:

Upper Point Lookout Perforations, 1 spf, 120° phasing (14 shots/ 14 holes):

4475', 4482', 4487', 4499', 4506', 4513', 4519', 4531', 4542', 4552', 4560', 4573', 4588', 4594'

Lower Point Lookout Perforations, 2 spf, 120° phasing (15 shots/ 30 holes):

4631', 4640', 4643', 4653', 4679', 4687', 4708', 4735', 4747', 4753', 4768', 4785', 4794', 4813', 4836'

10/10/2001 RU & Frac w/80,000# of 16/30 Brady Sand & 70% Foam. RU & TIH w/CIBP & set @ 4375'. RU & Perf Menefee formation W/3.125 inch diameter as follows:

Menefee Perforations, 2 spf, 120° phasing (18 shots/ 36 holes):

3976', 3980', 3984', 4062', 4074', 4084', 4100', 4122', 4144', 4152', 4160', 4171', 4232', 4238', 4276', 4283', 4332', 4336'

RU & Frac w/77,000# of 16/30 Brady Sand & 70% Foam. RU & Flow back well thru $\frac{1}{4}$ " Overnight.

10/11/2001 Flow back well on $\frac{1}{4}$ " choke. Upsized to $\frac{1}{2}$ " choke & flowed back then upsized to $\frac{3}{4}$ " choke.

10/15/2001 TIH & tag fill @ 4225'. Circ clean to top of CIBP set @ 4375'. DO CIBP. TOH. TIH & tag fill @ 4850'. Circ clean to top of CIBP set @ 4950'. PU above TOL & flowback overnight thru $\frac{3}{4}$ " choke

10/16/2001 TIH & tag fill @ 4940'. Circ hole clean to top of CIBP set @ 4950'. DO CIBP. TIH & tag fill @ 6695'. Circ hole clean to PBTD @ 6720'. PU above TOL & flow test well 12 hrs. on $\frac{3}{4}$ " choke - 280 MCF gas, Trace WTR, Trace oil. CSG 160#.

10/17/2001 TIH & tag fill @ 6705'. Circ clean to PBTD @ 6720'. PU above Perfs & flow back. TIH & tag 10' fill. Circ hole clean. PU above TOL flowback well thru $\frac{3}{4}$ " choke.

10/18/2001 TIH & tag 10' fill. C/O to PBTD. TOH. TIH & W/ 2 3/8" production TBG & Land @ 6602'. ND BOP's & NUWH.

10/22/2001 RDMOSU. Rig Released @ 08:00 hrs.