

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

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		5. Lease Serial No. NMSF078097
2. Name of Operator AMOCO PRODUCTION COMPANY Contact: MARY CORLEY E-Mail: corleym@bp.com		6. If Indian, Allottee or Tribe Name
3. Address P. O. BOX 3092 HOUSTON, TX 77253		7. Unit or CA Agreement Name and No. NMMN73380
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface NENW 0790FNL 1520FWL 36.87528 N Lat, 108.03493 W Lon At top prod interval reported below At total depth		8. Lease Name and Well No. HEATON A 1E
14. Date Spudded 07/18/1984		9. API Well No. 30-045-25971-00-C2
15. Date T.D. Reached 07/26/1984		10. Field and Pool, or Exploratory BLANCO MESAVERDE
16. Date Completed <input type="checkbox"/> P & A <input checked="" type="checkbox"/> Ready to Prod. 10/15/2001		11. Sec., T., R., M., or Block and Survey or Area Sec 30 T31N R11W Mer NMP
17. Elevations (DF, KB, RT, GL)* 5931 GL		12. County or Parish SAN JUAN
18. Total Depth: MD 7060 TVD		13. State NM
19. Plug Back T.D.: MD 7009 TVD		20. Depth Bridge Plug Set: MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBLTDT		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625	36.0	0	306		200			
8.750	7.000	23.0	0	4650		485	535		
6.250	4.500	11.0	4503	7057		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	6846							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	4242	5068	4242 TO 4468	3.380	26	
B)			4504 TO 4630	3.380	16	
C)			4701 TO 4793	3.380	14	
D)			4806 TO 5068	3.380	30	

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

Depth Interval	Amount and Type of Material
4242 TO 4630	80,000# OF 16/30 BRADY SAND & 70% FOAM
4701 TO 5068	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
10/10/2001	10/10/2001	12	→	1.0	550.0	1.0			FLOW FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 185	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	PGW

28a. Production - Interval B

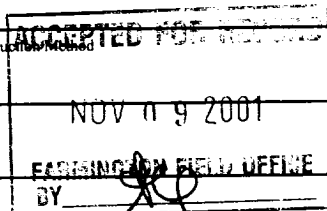
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #7971 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

NMOCD



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
DAKOTA MESAVERDE	4242	5068		DAKOTA	930
				OJO ALAMO	1280
				KIRTLAND	1830
				FRUITLAND	2280
				PICTURED CLIFFS	2380
				MESAVERDE	3930
				CLIFF HOUSE	4030
				MENEFEE	4720
				POINT LOOKOUT	4980
				MANCOS	6000
				GALLUP	

32. Additional remarks (include plugging procedure):

Well has been completed into the Blanco Mesaverde Pool and production downhole commingled with the existing Basin Dakota Pool. Please see attached Downhole Completion Subsequent Report for well work 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 #7971 Verified by the BLM Well Information System.
For AMOCO PRODUCTION COMPANY, sent to the Farmington
Committed to AFMSS for processing by Lucy Bee on 10/18/2001 (02LXB0189SE)

Name (please print) MARY CORLEYTitle AUTHORIZED REPRESENTATIVESignature (Electronic Submission)Date 10/16/2001

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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Revisions to Operator-Submitted EC Data for Well Completion #7971

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMSF - 078097	NMSF078097
Agreement:		NMNM73380
Operator:	AMOCO PRODUCTION COMPANY P.O. BOX 3092 HOUSTON, TX 77253 Ph: 281.366.4491	AMOCO PRODUCTION COMPANY P. O. BOX 3092 HOUSTON, TX 77253 Ph: 281.366.4491
Admin Contact:	MARY CORLEY AUTHORIZED REPRESENTATIVE E-Mail: corleyml@bp.com Ph: 281.366.4491 Fx: 281.366.0700	MARY CORLEY AUTHORIZED REPRESENTATIVE E-Mail: corleyml@bp.com Ph: 281.366.4491 Fx: 281.366.0700
Tech Contact:		
Well Name:	HEATON A	HEATON A
Number:	1E	1E
Location:		
State:	NM	NM
County:	SAN JUAN	SAN JUAN
S/T/R:	Sec 30 T31N R11W Mer NMP	Sec 30 T31N R11W Mer NMP
Surf Loc:	NENW Lot C 790FNL 1520FWL	NENW 0790FNL 1520FWL 36.87528 N Lat, 108.03493 W Lon
Field/Pool:	BLANCO MESAVERDE	BLANCO MESAVERDE
Logs Run:	CBL TDT	CBLTDT
Producing Intervals - Formations:	MESAVERDE	MESAVERDE
Porous Zones:	MESAVERDE	DAKOTA MESAVERDE
Markers:	OJO ALAMO KIRTLAND FRUITLAND PICTURED CLIFFS LEWIS CLIFFHOUSE MENELEE POINT LOOKOUT MANCOS GALLUP GRANEROS DAKOTA	DAKOTA OJO ALAMO KIRTLAND FRUITLAND PICTURED CLIFFS MESAVERDE CLIFF HOUSE MENELEE POINT LOOKOUT MANCOS GALLUP

HEATON A 1E
RECOMPLETION & DOWNHOLE COMMINGLING SUBSEQUENT REPORT
10/16/2001

10/01/2001 MIRUSU @ 13:00 hrs. NDWH & NU BOP's. Unseat TBG hanger. SDFN.

10/02/2001 TOH W/TBG. TIH & set a CIBP @ 5150'. Load hole w/2% KcL water. RU & run CBL & TDT log. Had good bond. Pressure test CSG to 2500#. SDFN.

10/04/2001 RU & Perf Point Lookout & Lower Menefee: 3.375 inch diameter

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

4701', 4708', 4714', 4724', 4728', 4734', 4738', 4747', 4752', 4762', 4770',
4774', 4788', 4793'

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

4806', 4823', 4830', 4864', 4880', 4913', 4922', 4935', 4942', 4956', 4973',
5013', 5029', 5038', 5068

10/05/2001 RU & Frac w/80,000# of 16/30 Brady Sand & 70% Foam. RU & TIH w/CIBP & set @ 4650'. RU & Perf Main Menefee: 3.375 inch diameter

Inside 7" csg: 2 spf (13 shots/ 26 holes)

4242', 4247', 4256', 4262', 4270', 4274', 4302', 4306', 4374', 4383', 4389',
4409', 4468'

Inside the 7"x4-1/2" liner lap area: 2 spf (8 shots/ 16 holes)

4504', 4511', 4544', 4562', 4567', 4576', 4621', 4630'

RU & Frac w/80,000# of 16/30 Brady Sand & 70% Foam. RU & Flow back well thru $\frac{1}{4}$ " choke. @ 19:03 hrs SDFN.

10/08/2001 Flowback well thru $\frac{1}{4}$ " choke. After 1 hrs upsized to $\frac{1}{2}$ " choke. Upsized to $\frac{3}{4}$ " choke & flowback overnight.

10/09/2001 TIH & tag fill @ 4550'. Circ hole clean to top of CIBP set @ 4650'. DO CIBP. Circ hole clean. PU above TOL & flow back well on $\frac{3}{4}$ " choke until 15:30 hrs.

10/10/2001 TIH & tag fill @ 4942'. Circ hole clean to top of CIBP set @ 5150'. DO CIBP. TIH & tag fill @ 6974'. Circ hole clean. To PBTD @ 7009'. PU above perfs & flow test well 12 hrs. thru $\frac{3}{4}$ " choke. 550 MCF Gas, Trace WTR, Trace oil.

10/11/2001 TIH & tag 3' of fill. Circ hole clean. PU above perfs & flowback well.. TIH & found 0 fill. Flowback well overnight thru $\frac{3}{4}$ " choke.

10/12/2001 Begin to TIH W/2 3/8" production TBG. Had to SDFD due to high winds.

10/15/2001 TIH W/remaining TBG & land @ 6846'. ND BOP's & NUWH. Pull TBG plug. RDMOSU. Rig Release @ 11:00 hrs.