

(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

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other ☐ Plug Back ☐ Diff. Repr.

b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ 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 1605FEL 1100FNL
At top prod. interval reported below 1605FEL 1100FNL
At total depth 1605FEL 1100FNL

5. Lease Serial No.
SE 077231 A

6. If Indian, Allottee or Tribe Name

Unit or CA Agreement Name and No.

8. Lease Name and Well No. # 1R
SHAW GAS COM 1R

9. API Well No.
3004530228

10. Field and Pool, or Exploratory
BLANCO MESAVERDE

11. Sec., T., R., M., on Block and Survey
or Area NWNE 14 30N 9W NMP

12. County or Parish 3 SAN JUAN

13. State NM

14. Date Spudded
06/05/2000

15. Date T.D. Reached
06/11/2000

16. Date Completed
☐ D & A ☒ Ready to Prod.
11/07/2000

17. Elevations (DF, RKB, RT, GL)*
GL 6007

18. Total Depth: MD 5311
TVD

19. Plug Back T.D.: MD 5199
TVD

20. Depth Bridge Plug Set: MD
TVD

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

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
13 250	9 625 H-40	32 000		146		180 146		0	
8 750	7 000 J-55	23 000		2300		325		0	
6 000	4 500 J-55	11 000	2007	5311		295		2007	

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	5009							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	2930	5195	4510 TO 5116		94	
B)						
C)						
D)						

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	2930	5195	4510 TO 5116		94	
B)						
C)						
D)						

27. Acid Fracture Treatment Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
4960 TO 5116	108,000 16/30 ARIZONA SAND & SLICKWATER
4510 TO 4866	111,187 16/30 ARIZONA SAND & SLICKWATER

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
11/07/2000	11/07/2000	12	→	1.0	750.0	1.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
3/4	SI	155.0	→					GSI	

ACCEPTED FOR RECORD

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
			→						DEC 06 2000
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→						FARMINGTON FIELD OFFICE BY

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

ELECTRONIC SUBMISSION #2032 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

NMOCU

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	4424	5195		OJO ALAMO	1458
				KIRTLAND	1668
				FRUITLAND COAL	2315
				PICTURED CLIFFS	2775
				LEWIS SHALE	2930
				CLIFF HOUSE	4515
				MENEFEE SHALE	4595
				POINT LOOKOUT	5000
				MANCOS	5195

32. Additional remarks (include plugging procedure):

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 #2032 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 11/07/2000

Name(please print) MARY CORLEY

Title SUBMITTING CONTACT

Signature _____

Date 11/21/2000

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.

Revisions to Operator-Submitted EC Data for Completion Report #2032

Operator Submitted

Lease: SF 077231 A

Agreement:

Operator: AMOCO PRODUCTION COMPANY
P.O. BOX 3092
HOUSTON, TX 77079

Contact: MARY CORLEY
Title: SUBMITTING CONTACT
Phone: 281.366.4491
Fax: 281.366.0700
Email: corleyml@bp.com

Well Name: SHAW GAS COM
Number: 1R
API: 3004530228

Location: NM
State: SAN JUAN
County: SAN JUAN
Surface: Sec 14 T30N R9W Mer NMP
S/T/R/Mer: 1605FEL 1100FNL
Footages: NWNE
Qtr/Qtr: B
Lot: 36.48900 N Lat, 107.44800 W Lon
Tract: 36.48900 N Lat, 107.44800 W Lon
Lat/Long: 36.48900 N Lat, 107.44800 W Lon
Prod Invl: Sec 14 T30N R9W Mer NMP
S/T/R/Mer: 1605FEL 1100FNL
Footages: NWNE
Qtr/Qtr: B
Lot: 36.48900 N Lat, 107.44800 W Lon
Tract: 36.48900 N Lat, 107.44800 W Lon
Lat/Long: 36.48900 N Lat, 107.44800 W Lon
Bottom: Sec 14 T30N R9W Mer NMP
S/T/R/Mer: 1605FEL 1100FNL
Footages: NWNE
Qtr/Qtr: B
Lot: 36.48900 N Lat, 107.44800 W Lon
Tract: 36.48900 N Lat, 107.44800 W Lon
Lat/Long: 36.48900 N Lat, 107.44800 W Lon

Field/Pool: BLANCO MESAVERDE

Prod Intvl(s): MESAVERDE

Porous Zone(s): MESAVERDE

Geol Marker(s): OJO ALAMO
KIRTLAND
FRUITLAND COAL
PICTURED CLIFFS
LEWIS SHALE
CLIFF HOUSE
MENELEE SHALE
POINT LOOKOUT
MANCOS

Logs Run: GR, TDT

BLM Revised (AFMSS)

NMSF077231A

NMNM73175

AMOCO PRODUCTION CO
200 AMOCO COURT
FARMINGTON, NM 87401

MARY CORLEY
SUBMITTING CONTACT
281.366.4491
281.366.0700
corleyml@bp.com

SHAW GAS COM
1R
300453022800X1

NM
SAN JUAN

Sec 14 T30N R9W Mer NMP
1605FEL 1100FNL
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BLANCO MESAVERDE

MESAVERDE

MESAVERDE

OJO ALAMO
KIRTLAND
FRUITLAND COAL
PICTURED CLIFFS
MESAVERDE
CLIFF HOUSE
MENELEE
POINT LOOKOUT
MANCOS

GR, TDT

SIDETRACK COMPLETION SUBSEQUENT REPORT**Shaw Gas Com 1R****11/08/2000**

10/04/2000 MIRUSU & Ran GR logs. RU & Perf 1st stage - the Point Lookout formation @ the following intervals with 2 JSPF, .330 inch diameter, total 44 shots:

4960'	5006'	5030'	5057'	5089'
4964'	5010'	5034'	5066'	5094'
4991'	5014'	5042'	5074'	5109'
4999'	5019'	5049'	5084'	5116'
5003'	5025'			

10/05/2000 RU & Frac the Point Lookout formation w/500 GAL 15% HCL acid, then 108,000# 16/30 Arizona Sand & Slickwater. RU & TIH W/CIBP & set @ 4916'. RU & Perf 2nd stage - the Cliffhouse formation @ the following intervals with 2 JSPF, .330 inch diameter, total 50 shots:

4510'	4547'	4642'	4719'	4782'
4522'	4566'	4665'	4725'	4816'
4527'	4580'	4689'	4742'	4821'
4533'	4590'	4694'	4763'	4855'
4540'	4616'	4708'	4769'	4866'

RU & Frac the Cliffhouse formation w/500 GAL 15% HCL acid then 111,187# 16/30 Arizona Sand & Slickwater:

10/26/2000 RU & ND Frac Valve & NU BOP. RU 3" flow lines. SDFN.

10/27/2000 TIH & tag fill @ 3450'. C/O to 3650'. TOH above liner. SDFN.

10/30/2000 TIH & tag fill. C/O 700' w/air. TOH above liner. SDFN.

10/31/2000 TIH & C/O to 4471'. TOH above liner. SDFN.

11/01/2000 TOH & C/O to top of CIBP. DO CIBP. PU to TOL & RU to flow well on open 3" line to flow back overnight.

11/02/2000 TIH & C/O to PBTD of 5199' Cic well. PU above liner & RU to flow well overnight to cleanout

11/03/2000 TIH & tag 60' fill. C/O w/air to PBTD. TOH above liner & SDFN.

11/04/2000 Shut in well for 12 hrs. Open well to pit. For 12 hrs. SDFN.

11/05/2000 Shut in well for 12 hrs. Open well to pit. For 12 hrs. SDFN.

SIDETRACK COMPLETION SUBSEQUENT REPORT
Shaw Gas Com 1R
11/08/2000

*11/06/2000 Well SI 14 hrs. SCIP 160#, Open well & BD. TIH & tag 30' of fill.
Circ clean. PU above liner & RU to flow test well on $\frac{3}{4}$ " choke.*

*11/07/2000 Flow test well up CSG. for 12 hrs on $\frac{3}{4}$ " choke. 1500 MCFD gas, trace
water, trace oil. SICP # 155. FCP 90#. TIH w/ 2 $\frac{3}{8}$ " Production TBG & land @
5009'. RDMOSU 17:00 hrs.*