

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other in-
structions on
reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY
Attention: Mary Corley

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3092, Houston, TX 281-366-4491

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 830' FNL

At top prod. interval reported below

At total depth

PERMIT NO. DATE ISSUED Unit A

15. DATE SPUDDED 10/09/1999 16. DATE T.D. REACHED 10/17/1999 17. DATE COMPL. (Ready to prod.) 12/09/1999 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 6649'

20. TOTAL DEPTH, MD & TVD 5933 21. PLUG. BACK T.D., MD & TVD 5933' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY

PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
Blanco Mesaverde 5224' - 5848'

26. TYPE ELECTRIC AND OTHER LOGS RUN
CCL & TDT

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9 5/8" WC-50	32.5#	145'	13 1/2"	135 SXS CLS B TO SURFACE	
7" WC-50	20#	3062'	8 3/4"	415 SXS CLS B CMT Lead & Tail	

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	2989'	5933'	200 SXS CLS A & B		2 3/8"	5703'	

PERFORATION RECORD (Interval, size, and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
1. 5103' - 5255' w/2 JSPF, .330 in diameter, total 34 shots	DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
2. 4646' - 4735' w/1 JSPF, .330 in diameter, total 17 shots	5103' 5255' 95 184# 16/30 Arizona Sand & 70% Quality Foam
	4646' 4735' 71 197# 16/30 Arizona Sand & 70% Quality Foam

33.* PRODUCTION

DATE FIRST PRODUCTION 12/09/1999 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing WELL STATUS (Producing or shut-in) SI

DATE OF TEST 12/09/1999 HOURS TESTED 6 hrs CHOKE SIZE 3/4" PROD'N FOR TEST PERIOD OIL - BBL. Trace GAS - MCF. 1485 MCF WATER - BBL. Trace GAS-OIL RATIO

FLOW TUBING PRESS 60# CASING PRESSURE 200# CALCULATED 24-HOUR RATE OIL - BBL. GAS - MCF. WATER - BBL. OIL GRAVITY - API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TO BE SOLD TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Mary Corley TITLE Sr. Business Analyst

*(See instructions and spaces for additional data on reverse side)

Title 18 U.S.C. Section 1001, makes 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.

5. LEASE DESIGNATION AND SERIAL NO
NM 013688

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
Atlantic LS 2B

9. API WELL NO.
30-045-29958

10. FIELD AND POOL, OR WILDCAT
Blanco Mesaverde

11. SEC., T., R., M., OR BLOCK, AND SURVEY OR AREA

Section 24 Township 31N Range 10W

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

19. ELEV. CASINGHEAD

ROTARY TOOLS YES CABLE TOOLS NO

25. WAS DIRECTIONAL SURVEY MADE

27. WAS WELL CORED
N

28. CASING RECORD (Report all strings set in well)

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FARMINGTON FIELD OFFICE
BY

AMOCO

ATLANTIC LS 2B

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):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	1465'		Sandstone			
Kiiland	1590'		Sandstone & Shale			
Fruitland Coal	2505'		Coal & Shale			
Pictured Cliffs	2880'		Shale			
Lewis Shale	2968'		Shale			
Cliff House	4340'		Sandstone			
Menefee Shale	4752'		Sandstone & Shale			
Point Lookout	5000'		Sandstone			
Mancos	5336'		Shale			

COMPLETION SUBSEQUENT REPORT

Atlantic LS 2B

12/13/1999

10/21/1999 MIRUSU & Ran CCL & TDT logs.

10/26/1999 RU & Perf 1st stage - the Point Lockout formation @ the following intervals with 2 JSPF, .330 inch diameter, total 36 shots:

5682'	5743'	5780'
5703'	5748'	5791'
5709'	5755'	5799'
5717'	5760'	5808'
5725'	5771'	5819'
5732'	5775'	5848'

10/27/1999 Frac 1st stage 5682' - 5848' pumped /500 GALS of 15% HCL Acid ahead then 100,000# 16/30 Arizona sand & 70% Quality N2 Foam. RU & TIH w/CIBP & set @ 5460'. RU & Perf 2nd stage - the Cliffhouse Formation @ the following intervals with 1 JSPF, .330 inch diameter, total 15 shots:

5224'	5298'	5328'
5257'	5303'	5333'
5279'	5310'	5341'
5283'	5318'	5346'
5289'	5326'	5353'

10/28/1999 RU & tried to pump into formation - unable to breakdown. RIH w/wireline - tagged bottom @ 5210. PU unable to retrieve junk basket. Tool stuck & parted below rope socket. TD wireline & SI well.

11/11/1999 MIRUSU ND Frac valve & NU BOP.

11/12/1999 TIH PU taper tap & TBG. Tag junk basket & work tap into fish. TOH w/TBG & fish. Left mandril in hole. SDFN.

11/15/1999 TIH w/overshot tag @ 5335. C/O fill to 5445'. Start TOH & had to SDFN.

11/16/1999 TIH w/short catch overshot & tried to retrieve mandril. Unable to recover fish. Cancel fishing. ND BOP & NU Frac valve & frac head. SDFN.

11/17/1999 RU to Frac. Unable to pump into perms. RD. ND Frac head & NU BOP. RU & RIH w/sinker bar & swab line to check for bridges. TIH w/TBG & tag @ 5260'. PU above perms.

11/18/1999 TIH & C/O bridge from 5260' to CIBP. TOH. RU. Pour new rope socket & reperf 2nd Stage. ND BOP & NU Frac valve & Frac head.

(continued on back)

COMPLETION SUBSEQUENT REPORT

Atlantic LS 2B

12/13/1999

11/19/1999 RU & Frac 2nd Stage 5224' - 5353' - pumped 500 GAL of 15% HCL Acid ahead then Frac w/100,000# 16/30 Arizona sand & 70% Quality N2 Foam. RU flow back lines & start flowing back w/ ¼" choke w/watchman.

11/20/1999 Flowing well w/watchman on ¼" Choke. PSI 210#. Upsized to ½" choke flowed for 7 hrs. Flowing PSI @ 40#.

11/21/1999 Well SI for 16 hrs - SICP 410#. Open well w/ ½" choke - PSI 85#. Flowed for 8 hrs. & SI.

11/22/1999 BD well & NU Frac head & frac valve. NU BOP. TIH & tag fill @ 5361'. C/O to CIBP. Started out of hole & dropped string 30'. Screwed back on fish & starting out of hole.

11/23/1999 TOH LD bad TBG & TIH PU new string.

11/24/1999 TIH w/overshot & tried to make on run @ fish. Tried to work over fish & get into grapple. TOH. Unable to latch on to fish. TIH w/skirted mill & SD above liner. Rig repair.

11/26/1999 TIH w/mill & mill around mandrill & CIBP. Started pushing to bottom. Got down 60' & stuck pipe. Tried to work free. Unable to. Jars would not work. RU & was free @ 5295'. SIWFN.

11/27/1999 Freepoint & cutoff TBG @ 5477'. TOH w/cutoff TBG. TIH PU washpipe & collars & TBG. SDFN.

11/29/1999 Finish TIH w/shoe & tag fill @ 5477'. Swivel up & C/O fill 5477' to top of fish @ 5522'. Well making sand circ well to try & clean up sand flow. TOH to top of liner & secure well for night.

11/30/1999 TOH to above liner & SD @ 2390' Secure well for night.

12/01/1999 TIH & tag fill @ 5520'. Swivel up & prep to C/O well. Circ well clean w/air & foam. TOH w/wash pipe & CCLS. PU overshot, Bumpersub, jars, CCLS, accelerator & TIH. Tag fish @ 5522' & latch onto fish. Set off jars 5 times & fish started moving. TOH.

12/02/1999 TIH & tag @ 5527' & swivel up. Mill on CIBP. Work CIBP to 5540'. Mill not milling good. PU above liner top to 2910' & secure well for night. Flow well to pit thro ¾" choke. Flowing 30# PSI.

12/03/1999 Flow well until 6:00 hrs. 30# pressure thro ¾" choke - 645 MCFD. TIH w/mill & tag PLG @ 5540'. Swivel up & break circ. Mill on PLG. PLG freed up @ 15:00 hrs & begin moving downhole. TOH to above liner & SWIFN.

COMPLETION SUBSEQUENT REPORT

Atlantic LS 2B

12/13/1999

12/04/1999 TIH w/mill & tag @ 5565'. Swivel up & break circ. Mill & work PLG to 5721'. TOH w/mill to above liner top. Secure well for night.

12/06/1999 TIH & C/O. TOH w/millshoe & jars. Start TIH w/sawtooth collar & TBG. SDFN.

12/07/1999 TIH & taf dill - C/O. Flow well w/full open 2" line overnight to C/O.

12/09/199 Flow test well up CSG thru 3/4" choke 6 hrs. 1442 MCF, trace WTR, trace oil. FTP 60#, CSG Pressure 200#. TIH w/ 2 3/8" TBG & land @ 5703'. ND BOP & NU wellhead. Shut well in.

12/09/1999 RDMOSU. Rig released 1800 hrs.