

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

LEASE DESIGNATION AND SERIAL NO.

NM 0606

IF INDIAN ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐		2. UNIT AGREEMENT NAME 177 DEC - 2 M 10: 21																			
3. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ OTHER ☐		3. FARM OR LEASE NAME, WELL NO. Atlantic A LS 2B																			
4. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		5. API WELL NO. 30-045-29956																			
6. ADDRESS AND TELEPHONE NO. P.O. BOX 3092, Houston, TX		7. FIELD AND POOL, OR WILDCAT Blanco Mesaverde																			
8. LOCATION OF WELL (Report location clearly and in accordance with any state requirements)* At surface 1905' FSL At top prod. interval reported below At total depth		9. SEC., T., R., M., OR BLOCK, AND SURVEY OR AREA Section 28 Township 31N Range 10W																			
10. PERMIT NO.		11. DATE ISSUED																			
12. COUNTY OR PARISH San Juan		13. STATE New Mexico																			
14. DATE SPUDDED 10/18/1999		15. DATE T.D. REACHED 10/22/1999																			
16. DATE COMPL. (Ready to prod.) 12/01/1999		17. ELEVATIONS (DF, RKB, RT, GR, ETC.) 6194'																			
18. TOTAL DEPTH, MD & TVD 5381		19. PLUG, BACK T.D., MD & TVD 5326'																			
20. IF MULTIPLE COMPL., HOW MANY*		21. INTERVALS DRILLED BY ROTARY TOOLS YES CABLE TOOLS NO																			
22. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Blanco Mesaverde 4646' - 5255'		23. WAS DIRECTIONAL SURVEY MADE NO																			
24. TYPE ELECTRIC AND OTHER LOGS RUN CBL & TDT		25. WAS WELL CORED N																			
26. CASING RECORD (Report all strings set in well)																					
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31. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TO BE SOLD																					
32. LIST OF ATTACHMENTS																					
33. I hereby certify that the foregoing and attached information is complete and correct as determined from all available data.																					
SIGNED <u>Mary Corley</u> TITLE <u>Sr. Business Analyst</u> BY <u>DEC 03 1999</u> DATE <u>12-01-1999</u>																					

*(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.

AMOCO

ATLANTIC A LS 2B

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill stem, test, including depth interval tested, cushion used, time tool open, flowing and shut in pressures, and recoveries)

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GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC	NAME	TOP MAX DEPTH	TOP YIELD DEPTH
Ojo Alamo	1465'		Sandstone			
Kirtland	1615'		Sandstone & Shale			
Fruitland Coal	2555'		Coal & Shale			
Pictured Cliffs	2915'		Shale			
Lewis Shale	3120'		Shale			
Cliff House	4552'		Sandstone			
Menefee Shale	4752'		Sandstone & Shale			
Point Lookout	5096'		Sandstone			
Mancos	5270		Shale			

COMPLETION SUBSEQUENT REPORT**Atlantic A LS 2B****12/1/1999**

10/25/1999 MIRUSU & Ran CBL & TDT logs.

10/27/1999 Install Frac Valve & Frac Head. Reran CBL under pressure. CMT Top @ 3550'.

11/02/1999 RU & Perf 1st stage - the Point Lockout formation @ the following intervals with 2 JSPF, .330 inch diameter, total 34 shots:

5103'	5172'	5223'
5114'	5186'	5233'
5123'	5194'	5237'
5153'	5202'	5243'
5162'	5213'	5255'
5168'	5216'	

11/03/1999 Frac 1st stage 5103' - 5255' pumped /500 GALS of 15% HCL Acid ahead then 95,184# 16/30 Arizona sand & 70% Quality Foam. RU & TIH w/CIBP & set @ 4830'. RU & Perf 2nd stage - the Cliffhouse Formation @ the following intervals with 1 JSPF, .330 inch diameter, total 17 shots:

4646'	4677'	4713'
4653'	4681'	4719'
4658'	4688'	4723'
4665'	4692'	4727'
4669'	4697'	4735'
4673'	4704'	

RU & Frac 2nd Stage 4646' - 4735' - pumped 500 GAL of 15% HCL Acid ahead then Frac w/71,197# 16/30 Arizona sand & 70% Quality Foam. RU flow back lines & start flowing back w/ ¼" choke w/watchman. Starting PSI 950#. Flow for 5 hrs ending @ 480#. Upsized to ½" choke. Starting @ 450#, after 7 hrs. 80#. Start flow back on ¼" choke starting @ 950#. Changed to ½" choke PSI @ 480#.

11/4/1999 Flow w/watchman w/ ½" choke until daylight. SI until dark. Starting PSI on ½" choke 460##, final PSI 80#. Open & flow until midnight on ½" choke starting PSI 640#. Shut in @ midnight @ 80#.

11/22/1999 Blow down well. ND Frac head & NU BOP. RU & set CIBP @ 3085'. Pressure test to 1000##. Held OK. PU & perf 2 shots @ 2904'. RD wireline PU PKR & start TIH W/TBG. Set PKR @ 2600'. Pressure test backside of PKR. Test OK. RU & est rate of 2 BPM @ 500#. Start CMT & pumped 15 BBLS of CLS B Neat CMT. Displaced 2 BBLS of CMT behind pipe & pressure would hold @ 1500#. Rel. PKR & reversed out 8 BBLS of CMT. TOH w/PKR & TBG. Put 500# on SQZ & held OK. SIFN.

(continued on back)

COMPLETION SUBSEQUENT REPORT

Atlantic A LS 2B

12/1/1999

11/24/1999 TIH w/bit & tag CMT @ 2803'. Drill CMT & pressure test SQZ to 500#. Held OK. TOH w/bit. Left phone message on Jim Lavato's phone that test was OK. TIH w/mill & TBG stop above liner. SDFN.

11/26/1999 TIH PU TBG & mill. C/O & mill up CIBP @ 3085'. PU above liner. SDFN.

11/27/1999 TIH from liner top & drill 2nd CIBP @ 4830' & C/O 37' below bottom perms. PU above liner & RU to flow well to cleanup. RU & flowback both zone w/ 3/4" choke. Starting PSI 50# w/high of 100# & ending @ 80#. SI Well.

11/28/1999 Flow well w/watchman & 3/4" choke - SICP 250#. Average PSI 108# Low 80# up CSG w/pipe @ top of liner.

11/29/1999 TIH to BTM w/TBG & bit. Drill one JT CMT to new PBTD of 5326'. Circ well clean. TOH w/bit to above liner top. Flow well to pit. TIH to tag for fill. Tag BTM @ 5326' no fill. TOH w/TBG & mill. Secure well to flow thru 3/4" choke.

11/30/99 Flow test well thru 3/4" choke 6 hrs. 1442 MCF, trace WTR, trace oil. FTP 80#, CSG Pressure 150#. TIH w/ 2 3/8" TBG & land @ 5119'.

RDMOSU. Rig released 13:50 hrs.