

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No.

SF - 080917

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

AMOCO PRODUCTION COMPANY

Attention:

Mary Corley

3. Address and Telephone No.

P.O. BOX 3092 HOUSTON, TX 77253

281-366-4491

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1710' FNL

1810' FWL

Sec. 33 T 31N R 10W

UNIT F

8. Well Name and No.

ATLANTIC BLS

6B

9. API Well No.

10. Field and Pool, or Exploratory Area

BLANCO MESAVERDE

11. County or Parish, State

SAN JUAN

NEW MEXICO

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other DIRECTIONALLY DRILL

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

On our Application for Permit to Drill, Form 3160-3 filed on 10/11/1999 we failed to note that the subject well was to be directionally drilled from the surface location shown above to the following bottom hole location:

Sec. 33, T31N, T10W, 1900' FNL & 700' FWL UNIT E

Should you have any questions concerning this admendment to our drilling procedure please contact me at 281-366-4491.

RECEIVED  
NOV 16 1999  
OIL CON. DIV.  
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed

Title

Sr. Business Analyst

Date

11-02-1999

(This space for Federal or State office use)

/s/ Errol Becher

Approved by

Title

Date

NOV 12 1999

Conditions of approval, if any:

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.

\* See Instructions on Reverse Side

District I  
PO Box 1980, Hobbs NM 88241-1980  
District II  
PO Drawer KK, Artesia, NM 87211-0719  
District III  
1000 Rio Bonos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

RECEIVED  
DIST. 3

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

070 FAIRMINGTON, NM

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code	3 Pool Name
		72319 ✓	Blanco Mesaverde
4 Property Code	5 Property Name		6 Well Number
000282 ✓	ATLANTIC B LS		# 6B
7 OCMED No.	8 Operator Name		9 Location
000778 ✓	AMOCO PRODUCTION COMPANY		6177 ✓

10 Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F (Lot 6)	33	31 N	10 W		1710	NORTH	1810	WEST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	33	31 N	10 W		1900'	North	700	WEST	SAN JUAN
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			
309.66									

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16						17 OPERATOR CERTIFICATION	
<p>RECEIVED NOV 16 1999 OIL CON. DIV. DIST. 3</p> <p>33</p>						I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
						Signature: <u>Mary Corley</u>	
						Printed Name: <u>Mary Corley</u>	
						Title: <u>Sr. Business Analyst</u>	
18						19 SURVEYOR CERTIFICATION	
						I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.	
						Date of Survey: <u>July 26, 1999</u>	
						Signature and Seal of Professional Surveyor: <u>[Signature]</u>	
						Certificate Number: <u>7016</u>	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Form approved.  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

RECEIVED  
BLM

59 OCT 10 AM 1:36

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

b. TYPE OF WELL  
OR WELL ☐

DRILL ☒

DEEPEN ☐

GAS WELL ☒ Other

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

ATTENTION:

Mary Corley

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 3092 HOUSTON, TX 77253

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

1710' FNL

1810' FWL

At proposed prod. zone

1900' FNL & 700' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

7 MILES FROM AZTEC, NM

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR., etc.)

6177" GR

22. APPROX. DATE WORK WILL START\*

11-01-1999

This application is subject to the provisions of the proposed rule, which shall be published in the Federal Register and appeal pursuant to 40 CFR 3160.4.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	DENSITY (lb/gal)	YIELD (cu/ft)	WATER (gallons)	EXCESS %
12 1/4"	WC40 9 5/8"	32.3#	120 - 135'	146 SXS (172 CU.FT.) CLS B CIRC TO SURFACE	15.6	1.19	5.2	100%
8 3/4"	WC50 7"	20#	2573'	180 SXS (515 CU.FT.) CLS B LEAD	11.4	2.86	17.64	80%
				102 SXS (130 CU.FT.) 50/50 B/POZ TAIL	13.5	1.27	5.72	
6 1/4"	WC50 4 1/2"	10.5#	5528'	278 SXS (403 CU.FT.) 50/50 B/POZ	12.8	1.45	7.15	25%

NOTICE OF STAKING SUBMITTED 8/16/1999

OBJECTIVE: Drill 100' into the Mancos shale, set 4 1/2" Liner across MV, perf & stimulate Cliff House, Menefee, & Point Lookout.

METHOD OF DRILLING: Rotary/Top Drive

DEPTH OF DRILLING: 0' - TD

LOG PROGRAM TYPE: Cased Hole (GR-CCL-TDT)

DEPTH INTERVAL: TDT - PBTD to Top of Liner

GR & CCL - PBTD to 0'

MUD PROGRAM: INTERVAL

TYPE MUD

WEIGHT, #/GAL

0 - (120-135') 3 JTS

Spud

8.6 - 9.2

(120-135') - 2573'

Water/LSND

8.6 - 9.2

2573' - TD

Gas/Air/Mist

Volume sufficient to maintain a stable and clean wellbore

(1) The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency.

(2) Top set Fruitland Coal to minimize lost circulation, air volume to maintain hole stability.

CASING & CEMENT: 1. Circulate Cement to Surface; 2. Set Casing 50' above Fruitland Coal; 3. Liner Lap should be minimum of 100'

Number of Centralizers: Surface Casing - 4. Intermediate Casing - 10

Rigless, 2 -3 Stage Limited Entry Hydraulic Frac

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

24.

SIGNED

Mary Corley

TITLE SR BUSINESS ANALYST

DATE

10-11-1999

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

NOV 12 1999

Application approved does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

DATE

NOV 12 1999

\* See Instructions 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 Production Company  
BOP Pressure Testing Requirements**

**Well Name:** Atlantic B LS 6B

**County:** San Juan

**State:** New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1453'		
Kirtland	1578'		
Fruitland Coal	2493'		
Pictured Cliffs	2868'		
Lewis Shale	2952'		
Cliff House	4485'	500	0
Menefee Shale	4686'		
Point Lookout	5118	600	0
Mancos	5273'		

**\*\* Note:** Determined using the following formula:  $ABHP - (.22 * TVD) = ASP$

**Requested BOP Pressure Test Exception: 750 PSI**

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**SAN JUAN BASIN  
Mesaverde Formation  
Pressure Control Equipment**

**Background**

The objective Mesaverde formation maximum surface pressure is anticipated to be less than 1000 PSI, based on shut-in surface pressures from adjacent wells. Pressure control equipment working pressure minimum requirements are therefore 2000 PSI. Equipment to be used will conform to API RP-53 (Figure 2.C.2) for a 2000 PSI system per Federal Onshore Order No. 2. Due to available conventional equipment within the area, 3000 PSI rated pressure control equipment will typically be utilized in a double ram type arrangement. Regional drilling rights to be utilized have substructure height limitations which exclude the use of annular preventers; therefore a rotating head will be installed above these rams. This pressure control equipment will be utilized for conventional drilling below conductor to total depth. No abnormal temperature, pressure, or Hydrogen Sulfide gas is anticipated.

**Equipment Specification**

**Interval**

**BOP Equipment**

**Below conductor casing to total depth**

**11" nominal or 7 1/16", 3000 PSI double ram  
preventer with rotating head.**

All ram type preventers and related control equipment will be hydraulically tested to 250 PSI (low pressure) and 750 PSI (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BOP equipment will include Kelly cock, upper Kelly cock with a handle available, floor safety valves and choke manifold which will also be tested to equivalent pressure at the appropriate intervals.

## FEDERAL CEMENTING REQUIREMENTS

1. All permeable zones containing fresh water and other usable water containing 10,000 PPM or less total dissolved solids will be isolated and protected from contamination by cement circulated in place for the protection of permeable zones per the NTL-FRA 90-1 Section III A.
2. The hole size will be no smaller than 1 ½" larger diameter than the casing O.D. across all water zones.
3. An adequate spacer will be pumped ahead of the cement slurry to help prevent mud contamination of the cement.
4. An adequate number of casing centralizers will be run through usable water zones to ensure that the casing is centralized through these zones. The adequate number of centralizers to use will be determined by API SPEC 10D.
5. Centralizers will impart a swirling action around the casing and will be used just below and into the base of the lowest usable water zone.
6. A chronological log will be kept recording the pump and slurry information and will be sent to the BLM with the subsequent sundry.

## APPROXIMATE DEPTH OF GEOLOGICAL MARKERS

Estimated GL: 6177		Estimated KB: 6188	
MARKER		Measured Depth	TVD
Ojo Alamo		1489	1453
Kirtland		1623	1578
Fruitland Coal	*	2623	2493
Pictured Cliffs	*	3008	2868
Lewis Shale	*	3093	2952
Cliff House	#	4640	4485
Menefee Shale	#	4841	4686
Point Lookout	#	5273	5118
Mancos		5428	5273
TOTAL DEPTH		5528	5373
* Possible Pay			
# Probable completion interval			

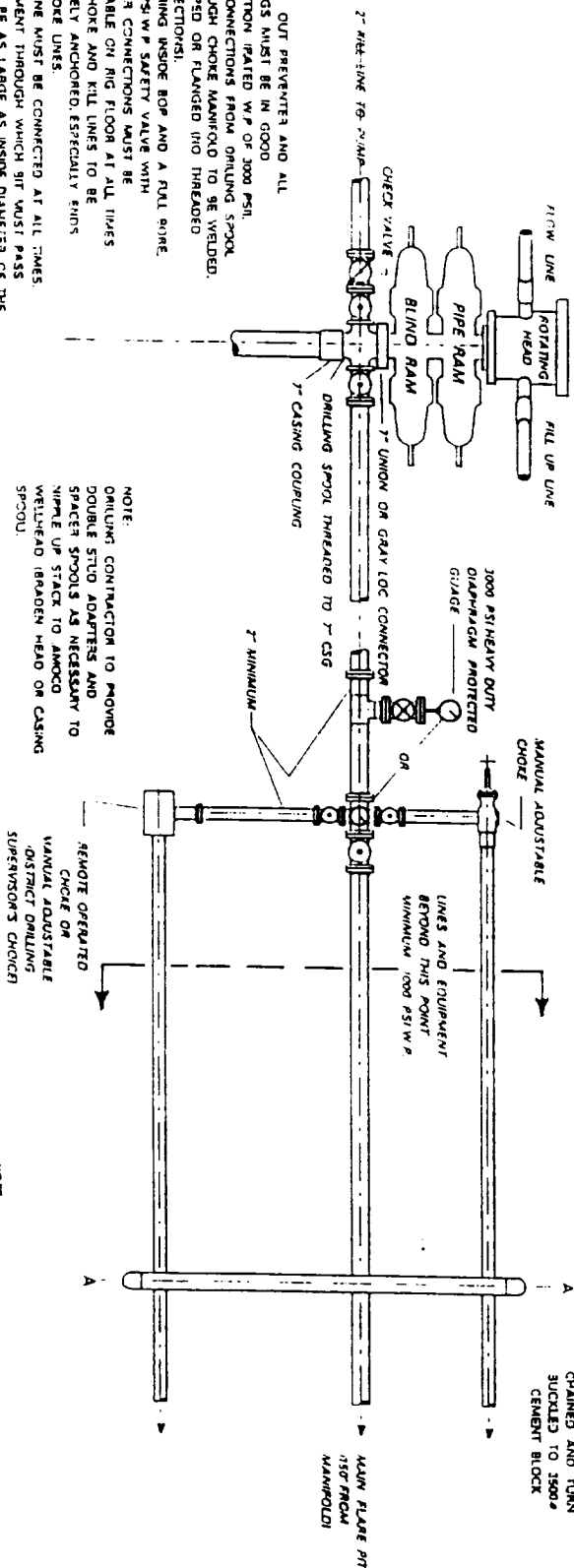
# Amoco Production Company Minimum Blow-Out Preventer Requirements

Well Name:  
County:

Atlantic A LS 1B  
San Juan

State: New Mexico

## MINIMUM BLOW-OUT PREVENTER REQUIREMENTS 7/8" OR 1" (NOMINAL) 3,000 PSI W.P. Typical Dakota/Mesaverde Air/Mud (SRBU)



- NOTE:
1. BLOW-OUT PREVENTER AND ALL FITTINGS MUST BE IN GOOD CONDITION (RATED W.P. OF 3000 PSI).
  2. ALL CONNECTIONS FROM DRILLING SPOOL THROUGH CHOKE MANIFOLD TO BE WELDED, CLAMPED OR FLANGED (NO THREADED CONNECTIONS).
  3. A STING INSIDE BOP AND A FULL BORE 3000 PSI W.P. SAFETY VALVE WITH PROPER CONNECTIONS MUST BE AVAILABLE ON RIG FLOOR AT ALL TIMES.
  4. ALL CHOKE AND KILL LINES TO BE SECURELY ANCHORED, ESPECIALLY ENDS OF CHOKE LINES.
  5. KILL LINE MUST BE CONNECTED AT ALL TIMES.
  6. EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AS LARGE AS INSIDE DIAMETER OF THE CASING BEING DRILLED THROUGH.
  7. MUST HAVE UPPER AND LOWER KELLY COCK ON KELLY.
  8. BLOW-OUT PREVENTER CLOSING EQUIPMENT SHALL HAVE SUFFICIENT CAPACITY TO FULFILL REQUIREMENTS OF CURRENT FEDERAL REGISTERS (44 FR 61820 NOV 1979).
  9. NO COLLECTION BOTTLES, SINCE TANKS OR BUFFER CHAMBERS.
  10. ALL LINES TO BE MADE WITH TANGLED TIES (14-12" MIN.), NO TIES ON SWEETS IN LINE FROM BOP TO CHOKE MANIFOLD.
  11. A REMOTE INCH IS TO BE USED AS A CHOKE LINE, IT MUST BE APPROVED BY SIVCO PRIOR TO RIGGING UP.
  12. COCK TO BE INSTALLED WITH SHUT DOWN CONTROL.

- NOTE:
1. ALL UNMANNED VALVES TO BE FULL-OPENING GATE OR PLUG VALVES METAL TO METAL SEAL 3000 PSI W.P.
- NOTE:
1. CHOKES CONTRACTOR TO PROVIDE DOUBLE STUD ADAPTERS AND SPACER SPOOLS AS NECESSARY TO WIRE UP STACK TO AMOCO WELHEAD (BRADEN HEAD OR CASING SPOOL).

- NOTE:
1. CHOKES ASSEMBLY VERTICAL FOR ILLUSTRATION. ONLY SHOULD BE HORIZONTAL ON RIG. ANCHOR ALL LINES SECURELY EVERY 30' AND WITHIN 5' OF END OF LINE.
  2. DRILLING CONTRACTOR TO BE RESPONSIBLE FOR PROVIDING ALL LINES AND VALVES.

District I  
PO Box 1980, Hobbs NM 88241-1980  
District II  
PO Drawer KK, Artesia, NM 87211-0719  
District III  
1000 Rio Bonos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code 72319		3 Pool Name Blanco Mesaverde		
4 Property Code 000282		5 Property Name <b>ATLANTIC B LS</b>			6 Well Number <b># 6B</b>	
7 OGRID No. 000778		8 Operator Name <b>AMOCO PRODUCTION COMPANY</b>			9 Elevation <b>6177</b>	

10 Surface Location

UL or Lot No. <b>F (Lot 6)</b>	Section <b>33</b>	Township <b>31 N</b>	Range <b>10 W</b>	Lot Idn	Feet from the <b>1710</b>	North/South Line <b>NORTH</b>	Feet from the <b>1810</b>	East/West Line <b>WEST</b>	County <b>SAN JUAN</b>
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11 Bottom Hole Location If Different From Surface

1 UL or lot no.	2 Section	3 Township	4 Range	5 Lot Idn	6 Feet from the	7 North/South Line	8 Feet from the	9 East/West Line	10 County

11 Dedicated Acres 309.66	12 Joint or Infill	13 Consolidation Code	14 Order No.
------------------------------	--------------------	-----------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

						<p><b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Mary Corley</i> Signature Mary Corley Printed Name Sr. Business Analyst Title 8/16/99 Date</p>	
<p><b>18 SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>July 26, 1999 Date of Survey</p> <p>Signature and Seal of Registered Surveyor GARY D. YANN NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR 7016 Certificate Number</p>							

## NEW MEXICO MULTIPOINT REQUIREMENTS

### 1. Existing Roads

- A. The proposed location is staked as shown on the Certified Plat.
- B. Route and distance from nearest town is identified on the form 3160-3, item #14. (Exhibit A)
- C. Access road(s) to location are identified on Exhibits A & B.
- D. Not applicable unless exploratory well.
- E. All existing roads within one-mile radius of the well site are shown on Exhibit B.
- F. Improvements and/or maintenance of existing roads may be done as deemed necessary for Amoco's operations, or as required by the surface management agency.

### 2. Access Roads

- A. Width: 16' Driving Surface
- B. Maximum Grades: 0 - 8%
- C. Turnouts: None
- D. Drainage will be used as required
- E. Size and location of culverts, if needed, will be determined at the onsite inspection or during construction.
- F. Surfacing materials may be applied to the proposed road and/or location if the conditions merit it.
- G. Gates and/or cattle guards will be installed at fence crossings if deemed necessary by the land owner or the surface management agency.
- H. The proposed new access road is center-line flagged if applicable.

### 3. Location and Existing Wells

- A - H All existing wells, to the best of our knowledge, are identified on Exhibit C (9 Section Plat).

### 4. Location of Existing and/or Proposed Facilities

- A. All existing facilities owned or controlled by Amoco are shown on Exhibits D & E
- B. If this proposed well is productive, Amoco will own or have control of these facilities on location: storage tanks, well head production unit, and if applicable, a pump jack and/or compressor. Also there will be buried production lines from the wellhead to the production unit and/or storage tanks. Amoco will submit a Sundry Notice when off-pad plans are finalized.
- C. Rehabilitation, whether the well is productive or not, will be made on all unused areas in accordance with surface owner or manager approval.

### 5. Location and Type of Water supply

Water will be obtained from a privately permitted water source through a contract water hauling company. It will be hauled in vacuum trucks via the access road (Exhibit A). The appropriate permits for this activity have been obtained by the water transporter.

### 6. Source of Construction Materials

- A - D No off-site materials will be needed to build the proposed location or access road.

### 7. Methods of Handling Waste Disposal

A closed loop mud system will be used during drilling operations. All drill cuttings will be trenched, and buried on location. Drilling fluids will be stored for reuse or disposed of at an approved disposal facility. A reserve pit for produced water containment will be constructed during completion operations. The reserve pit will be fenced on three sides and the 4<sup>th</sup> side will be fenced upon removal of the rig. The pit will be allowed to sit for 90 days and then pulled as required by NTL-2B. Produced water will be disposed of at an approved injection well or an evaporation site. Sanitary facilities and a steel mesh portable trash container will remain on



location throughout drilling operations and will be removed to a designated disposal area. The well site will be properly cleaned upon removal of the rig.

**8. Ancillary Facilities**

To the best of our knowledge, no ancillary facilities will be needed at this time.

**9. Well Site Layout**

A - C Cross-sections etc. See Exhibit D. Exact location of rig related equipment will be determined when Amoco contracts a drilling rig; however, all this equipment will be contained on location. The location diagram reflects actual area of well pad. Total disturbed area will vary due to cut and fill slopes.

**D. Reserve Pit(s):**

Unlined       X      

Lined                      (8-10 mil reinforced plastic, size sufficient to cover pit area and fit underneath a rig tank.)

**10. Plans for Restoration of Surfaces**

Restoration of the surface will be conducted after the reserve pit has dried. The pit will then be cleaned up and back filled and the entire disturbed area will be re-contoured. The topsoil stockpile will then be uniformly placed over this area and reseeding of the site will be carried out as instructed by the appropriate management agency. Methods to protect against erosion will be employed. After final abandonment, additional restoration efforts will be applied.

**11. Surface Ownership: Bureau of Land Management**

**12. Other Information**

**A. General Description**

1. Archaeological clearance, topography, soil character, and flora and fauna are detailed in the archeologist's report forwarded by an approved contact archaeologist to the appropriate management agency.
2. Land uses include recreation, grazing and oil and gas development.

**13. Operator's Representative and Certification**

Amoco Production Company  
John A. Huston, Resource Manager  
P. O. Box 3092  
Houston, TX 77253

281-366-5795

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan area, to the best of my knowledge, are true and correct; and, that the work associated with the operations proposed herein will be performed by AMOCO PRODUCTION COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

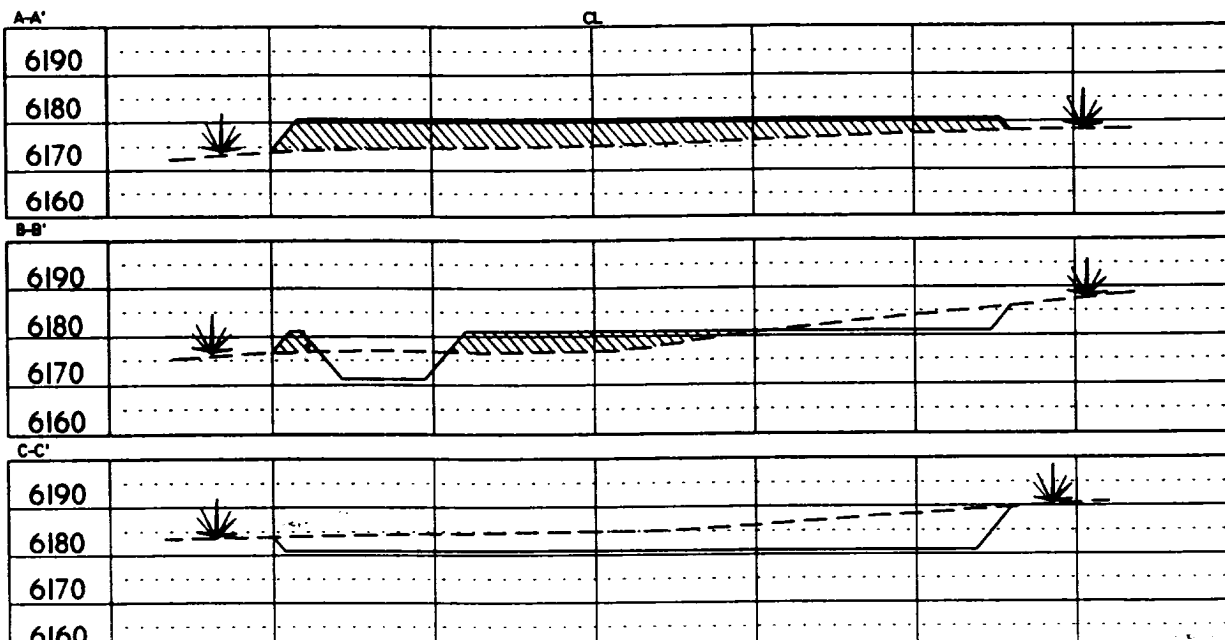
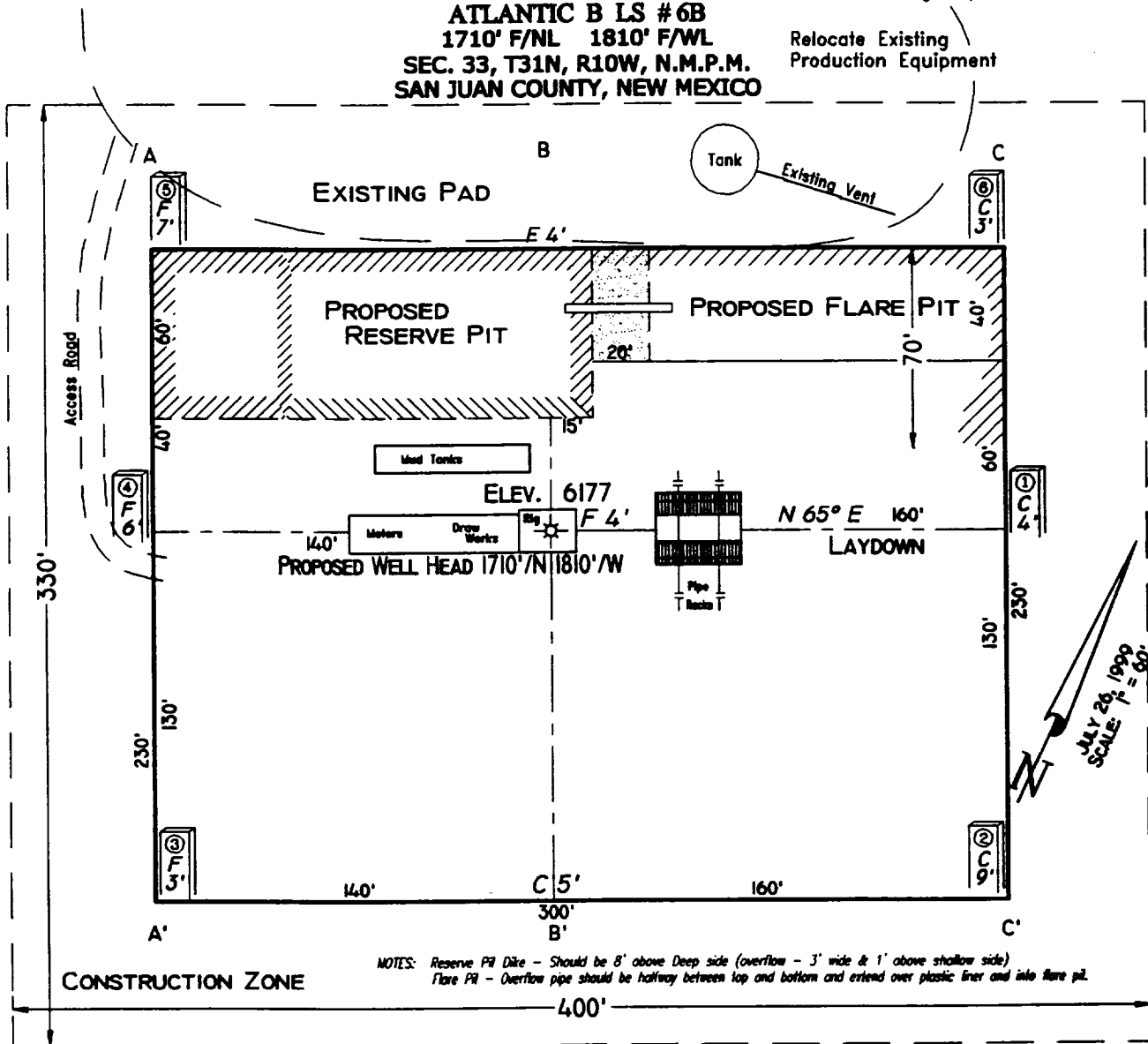
Date: 10/11/1999

  
John A. Huston, Resource Manager

**PAD LAYOUT PLAN & PROFILE**  
**AMOCO PRODUCTION COMPANY**  
**ATLANTIC B LS #6B**  
**1710' F/NL 1810' F/WL**  
**SEC. 33, T31N, R10W, N.M.P.M.**  
**SAN JUAN COUNTY, NEW MEXICO**

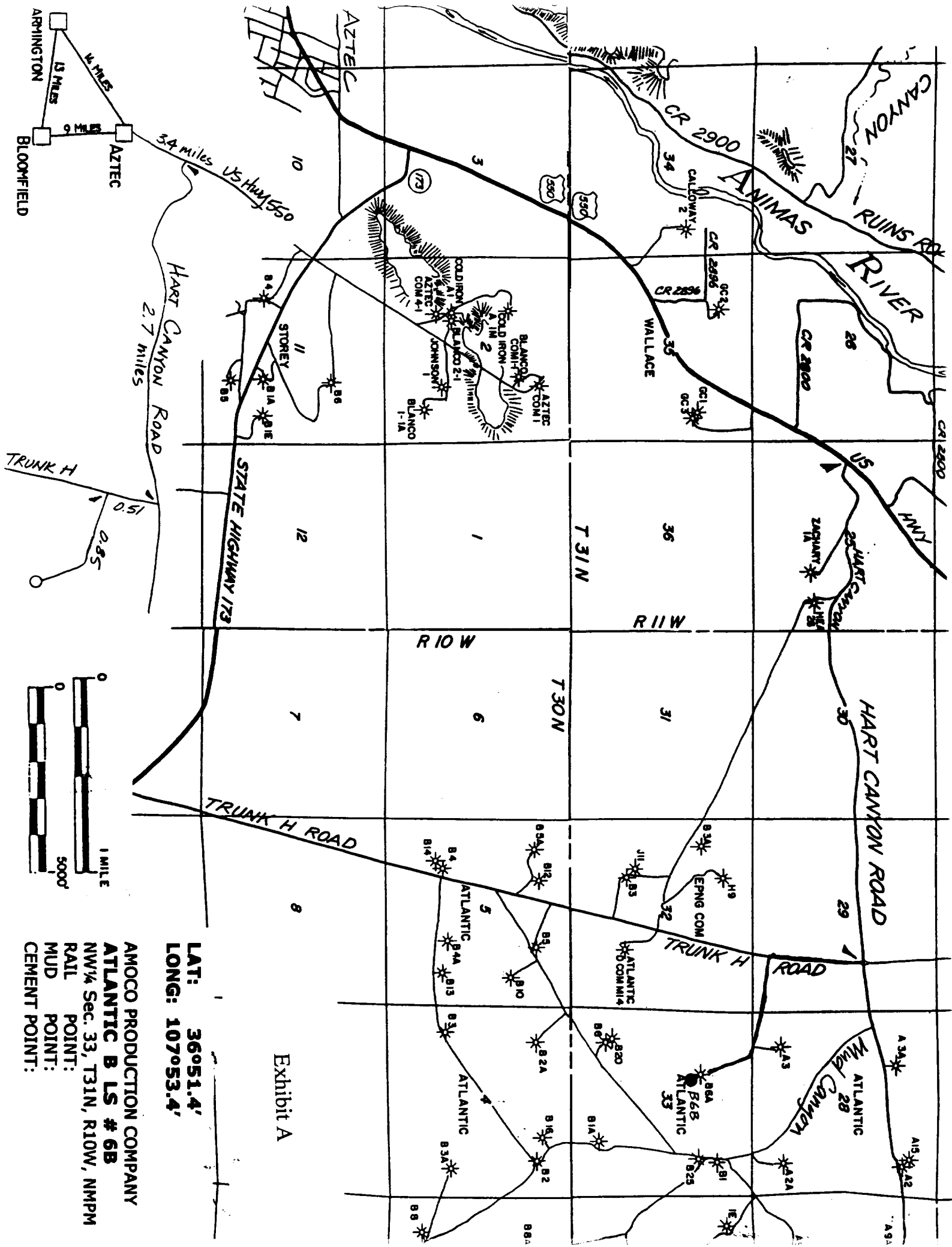
Existing Dehydrator

Relocate Existing  
Production Equipment



NOTE: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction.

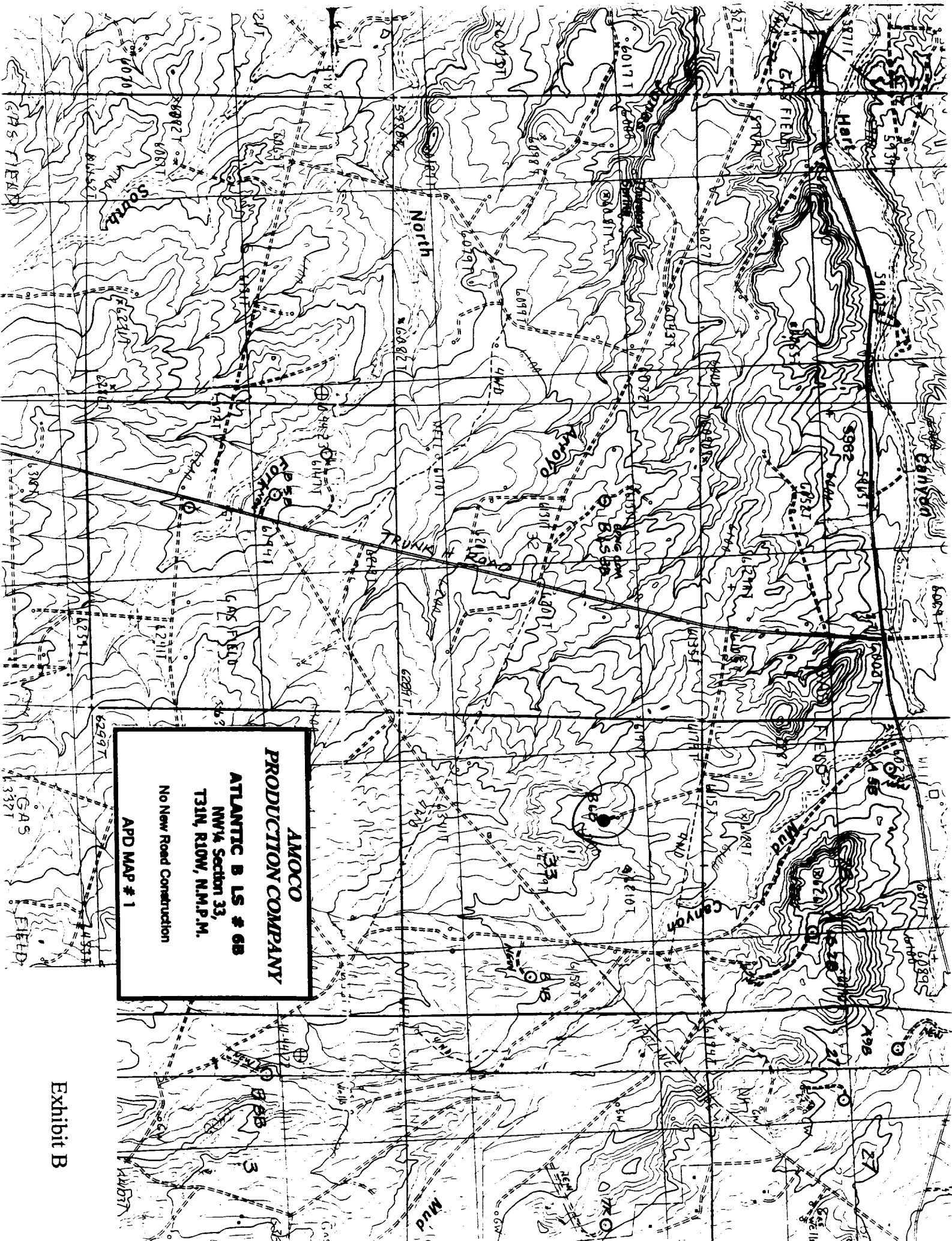
Cuts and fills shown are approximate - final finished elevation is to be adjusted so earthwork will balance. Corner stakes are approximate and do not include additional areas needed for side slopes and drainages. Final Pad Dimensions are to be verified by Contractor.



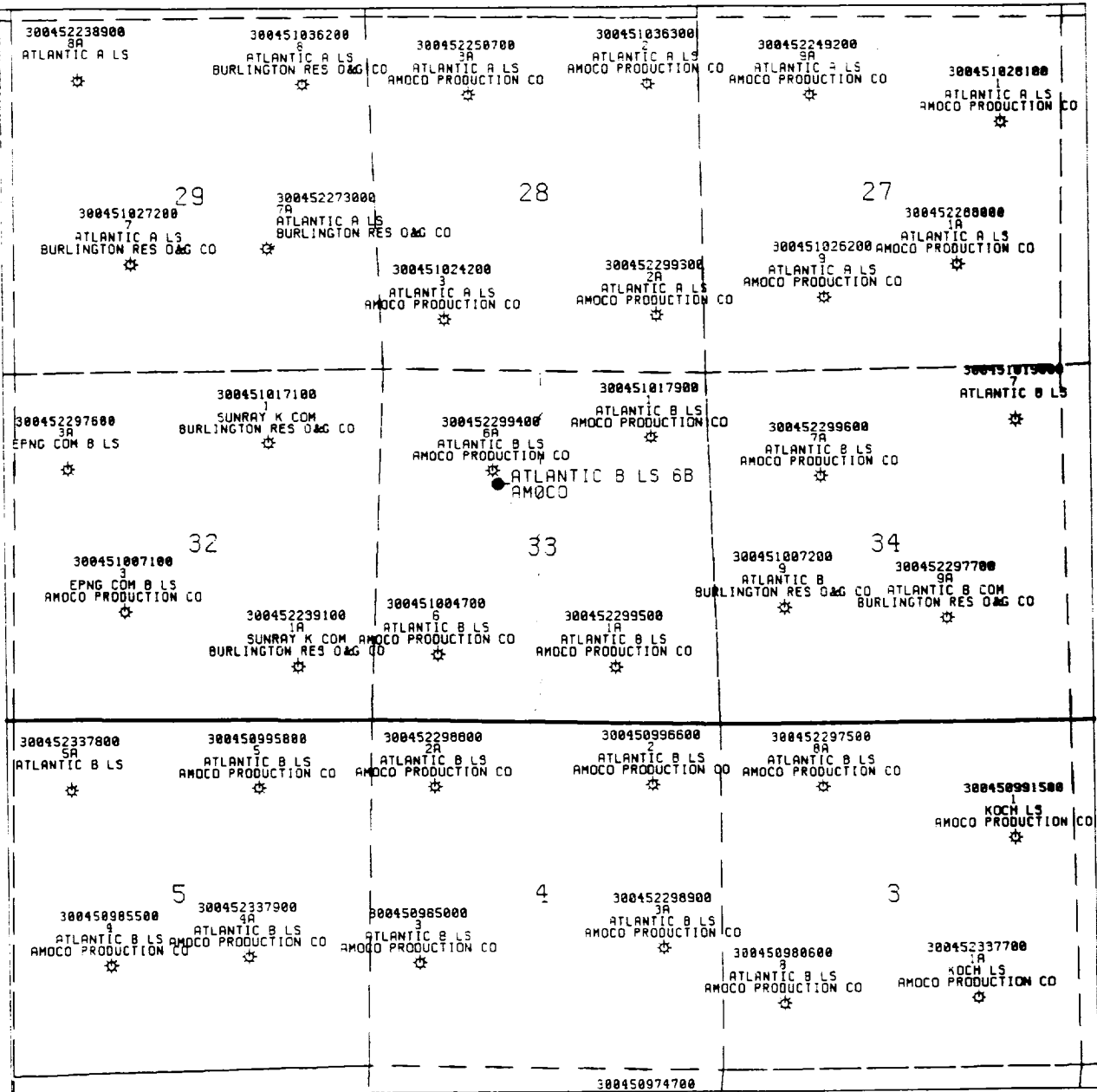
AMOCO PRODUCTION COMPANY  
ATLANTIC B LS # 6B  
NW¼ Sec. 33, T31N, R10W, NMPM  
RAIL POINT:  
MUD POINT:  
CEMENT POINT:

**LAT: 36°51.4'**  
**LONG: 107°53.4'**

# Exhibit A



**AMOCO**  
**PRODUCTION COMPANY**  
**ATLANTIC B LS # 68**  
**NW 1/4 Section 33,**  
**T31N, R10W, N.M.P.M.**  
**No New Road Construction**  
**APD MAP # 1**



# AMOCO PRODUCTION COMPANY HOUSTON, TEXAS

ATLANTIC B LS 6B, NEW DRILL  
SEC 33 T31N R10W  
MESAVERDE WELLS

Exhibit C

SCALE	DRAWN T. HANSON	DATE 11-OCT-1999
DRAWING		



To M.C.  
8/23/99

**Atlantic B LS No. 6B - SUPPLEMENT TO SURFACE USE PLAN:**

**New facilities:**

A 4 ½ inch diameter buried steel pipeline that is 1,613.39 feet in length will be constructed. The pipe wall thickness is .156 and the pipe wall strength is 42,000. It will be adjacent to the access road and tie the well in to the Atlantic B LS 6A well operated by Amoco Production Company. The pipeline will not be used to transport gas to drill the well. After the well is spud, the pipeline will be authorized by a right-of-way issued to El Paso Field Services, refer to the attached survey plat.

LINE AMOCO PRODUCTION COMPANY - ATLANTIC B LS NO. 6B

WO NO. 10601

FROM 0+00 = 16+13.39 ON AMOCO PRODUCTION COMPANY - ATLANTIC B LS NO. 6A

RW NO. 9670295

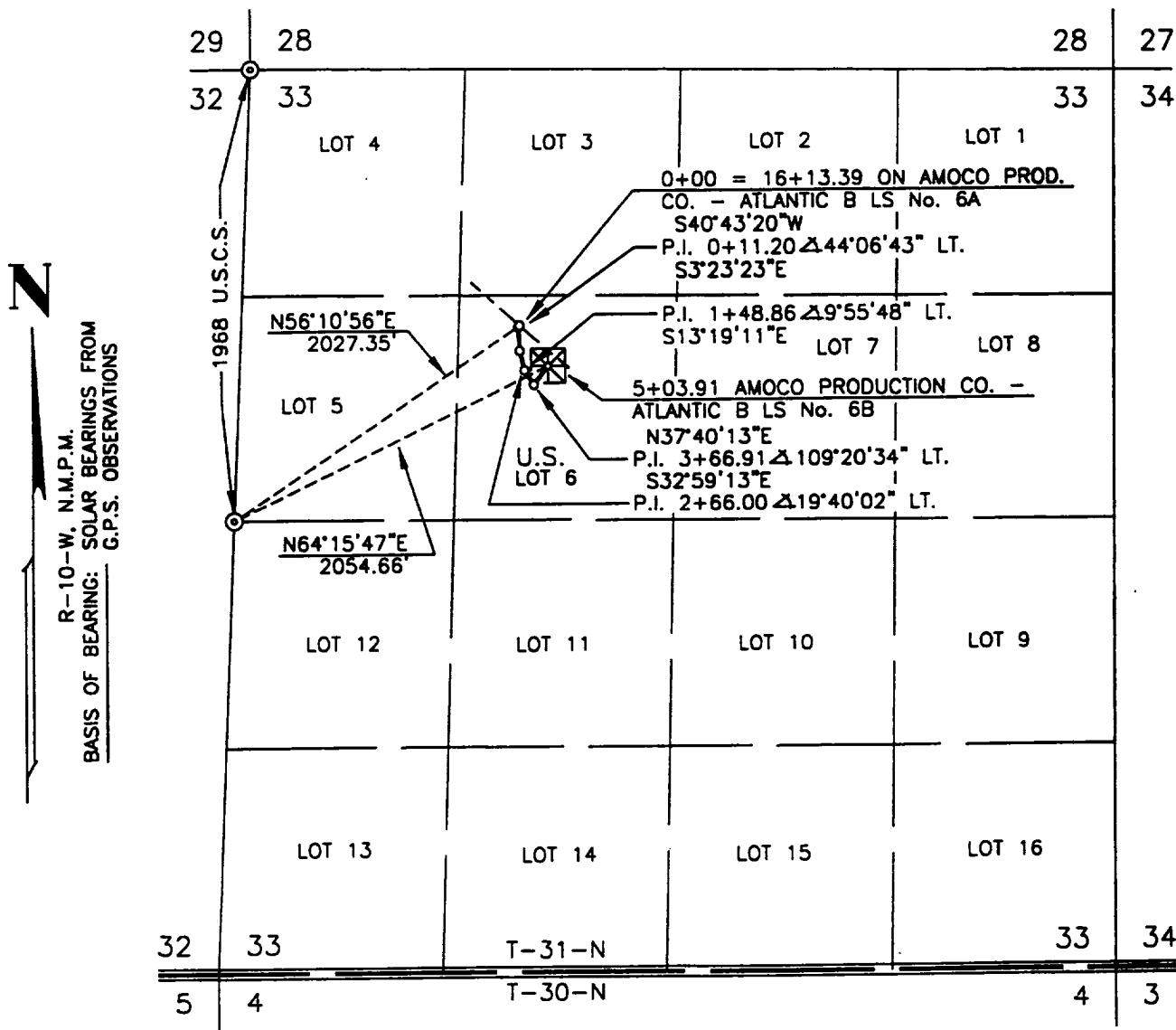
(BLH4-4-1, R/W NO. 780201)(MC #90649)

DATE 1/7/99

SCALE 1" = 1000'

SURVEYED 12/18/98

COUNTY SAN JUAN STATE NEW MEXICO SECTION 33 TOWNSHIP 31-N RANGE 10-W, N.M.P.M.



DWN. BY MD CONSTR. COMMENCED \_\_\_\_\_ APPL. DWG. \_\_\_\_\_ SLACK CHAIN \_\_\_\_\_  
CKD. BY \_\_\_\_\_ CONSTR. COMPLETED \_\_\_\_\_ DATE \_\_\_\_\_ PIPE SIZE 4.50" O.D.

PRINT RECORD

PIPE DATA

METER STA. NO.

MV

9	SJ DIST.	11/13/98
9	SJ DIST.	11/24/98
9	SJ DIST.	1/7/99
1	SJ ROW	
7	SJ DIST.	8/12/99
2	FP-CAD	

NOTE: WELL FLAG  
FORMERLY DWG. No. BLH3-5-1, NOW VOID

SUBDIVISION	OWNER	LESSEE	METER(S)	RODS	ACRE(S)
ALL SECTION 33	UNITED STATES	A. K. BROWN		30.540	0.463

- 1 = REVISED AND RETIED PER RE-SURVEY NOTES OF 12/18/98 (1/7/99/GV).  
2 = REVISED PER RE-SURVEY NOTES DATED 8/10/99 (8/12/99/MD)